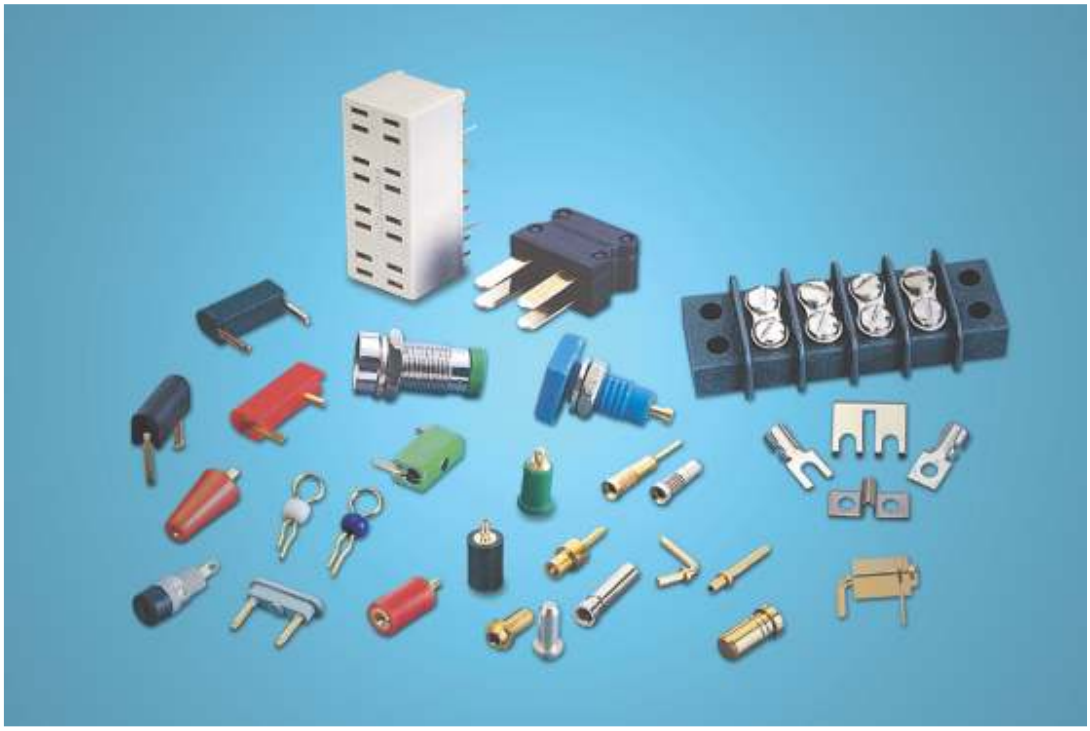
PROTECTRON

MONITORING
CONNECTOR SYSTEM



PROTECTRON

1MM VERTICAL JACK TIP (TEST POINT)

1mm Vertical Jack Tip Insulated Conical Type — P8001

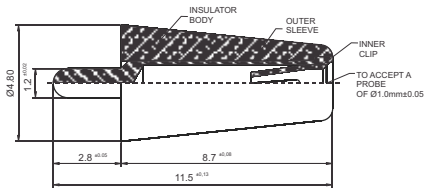
Specifications

Current Rating	:	5A max.
Contact Resistance	:	5mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	500V AC min.
Temperature Range	:	-25°C to +70°C
Insertion Force with Ø1.02mm	:	130gms
Extraction Force with Ø0.98mm	:	190gms
Mounting Hole Dia in PCB	:	Ø1.30mm
Mating Connectors	:	P8003, P8005

Material & Finish

Outer sleeve	:	Brass, Tin/Gold plated
Inner clip	:	Beryllium Copper, Gold plated
Insulator	:	Polypropylene

Colour	Part Number	
	Tin Plated	Gold Plated
Black	P8001-10-19	P8001-10-12
Brown	P8001-11-19	P8001-11-12
Red	P8001-12-19	P8001-12-12
Orange	P8001-13-19	P8001-13-12
Yellow	P8001-14-19	P8001-14-12
Green	P8001-15-19	P8001-15-12
Blue	P8001-16-19	P8001-16-12
Violet	P8001-17-19	P8001-17-12
Grey	P8001-18-19	P8001-18-12
White	P8001-19-19	P8001-19-12





1mm Vertical Jack Tip Insulated Cylindrical Type — P8101

Specifications

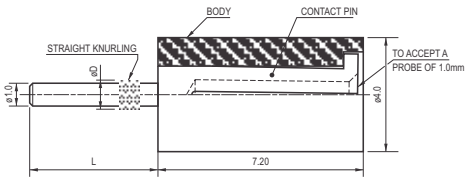
Current Rating	:	5A max.
Contact Resistance	:	5mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	500V AC min.
Temperature Range	:	-25°C to +70°C
Insertion Force with Ø1.02mm	:	2.2Kg max.
Extraction Force with Ø0.98mm	:	0.18Kg min.
Mounting Hole Dia in PCB	:	Ø1.3mm
Mating Connectors	:	P8003, P8005

Material & Finish

Contact	:	Brass, Silver/Gold Plated
Insulator	:	Polypropylene

Colour	Part Number			
	For L=4.5mm, D-1.3mm		For L=3.0mm, D-1.2mm	
	Silver Plated	Gold Plated	Silver Plated	Gold Plated
Black	P8101-10-11-0	P8101-10-12-0	P8101-10-11-S	P8101-10-12-S
Brown	P8101-11-11-0	P8101-11-12-0	P8101-11-11-S	P8101-11-12-S
Red	P8101-12-11-0	P8101-12-12-0	P8101-12-11-S	P8101-12-12-S
Orange	P8101-13-11-0	P8101-13-12-0	P8101-13-11-S	P8101-13-12-S
Yellow	P8101-14-11-0	P8101-14-12-0	P8101-14-11-S	P8101-14-12-S
Green	P8101-15-11-0	P8101-15-12-0	P8101-15-11-S	P8101-15-12-S
Blue	P8101-16-11-0	P8101-16-12-0	P8101-16-11-S	P8101-16-12-S
Violet	P8101-17-11-0	P8101-17-12-0	P8101-17-11-S	P8101-17-12-S
Grey	P8101-18-11-0	P8101-18-12-0	P8101-18-11-S	P8101-18-12-S
White	P8101-19-11-0	P8101-19-12-0	P8101-19-11-S	P8101-19-12-S





1MM CONNECTOR JACK

Specifications

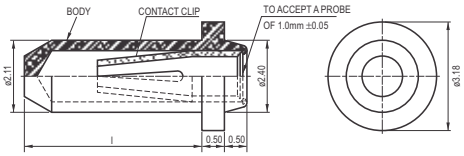
Current Rating	:	3A max.
Contact Resistance	:	5mΩ max.
Temperature Range	:	-25°C to +70°C
Insertion Force with Ø1.02mm	:	0.45Kg max.
Extraction Force with Ø0.98mm	:	0.056Kg min.
Mounting Hole Dia in PCB	:	Ø2.2mm
Mating Connectors	:	P8003, P8005

Material & Finish

Inner Clip	:	Beryllium Copper, Gold Plated
Outer Sleeve	:	Brass, Silver / Gold / Tin Plated

Type 1: 1mm Connector Jack Non-Insulated — P8002

Finish	Part Number	
	For l=5.2mm	For l=7.2mm
Silver Plated	P8002-11-32-0	P8002-11-32-L
Gold Plated	P8002-12-32-0	P8002-12-32-L
Tin Plated	P8002-19-32-0	P8002-19-32-L



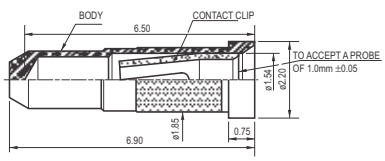


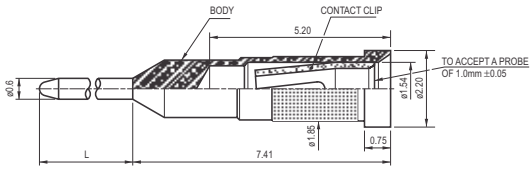
Type 2: 1mm Connector Jack Non-Insulated with Knurling — P8102

Finish	Part Number		
	With out Tail	Tail Length L=7.64mm	Tail Length L=4.64mm
Silver Plated	P8102-11-32	P8102A11-32	P8102B11-32
Gold Plated	P8102-12-32	P8102A12-32	P8102B12-32
Tin Plated	P8102-19-32	P8102A19-32	P8102B19-32



Mounting Hole Dia in PCB: Ø1.85mm



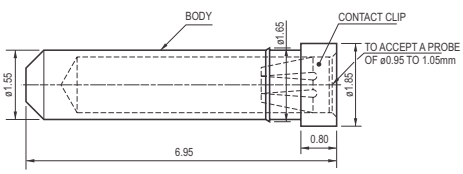


Type 3: 1mm Connector Jack Non-Insulated with Fishhook — P8202

Specifications

Current Rating	:	3A max.
Contact Resistance	:	5mΩ
Temperature Range	:	-25°C to +70°C
Insertion Force	:	0.18Kg max.
Extraction Force	:	0.05Kg min.
Mounting Hole Dia in PCB	:	Ø1.55mm
Mating Connectors	:	P8003, P8005

Finish	Part Number
Tin Plated	P8202-19-32





1MM MALE PIN

1mm Male Pin Non-Insulated — P8003

Specifications

Current Rating	:	5A
Contact Resistance	:	5mΩ max.
Temperature Range	:	-25°C to +70°C
Mounting Hole Dia in PCB	:	Fig 1. Ø2.25mm Fig 2 & 3. Ø1.25mm
Mating Connectors	:	P8001, P8002, P8101, P8102, P8202

Material & Finish

Contact : Brass, Silver / Gold Plated

Finish	Part Number		
	Pin Straight Ø3mm	Pin Right Angle Ø1.75mm	Pin Straight Ø1.75mm
Silver Plated	P8003-00-11-0	P8003-00-11-R	P8003-00-11-S
Gold Plated	P8003-00-12-0	P8003-00-12-R	P8003-00-12-S



Fig 1

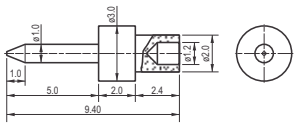


Fig 2

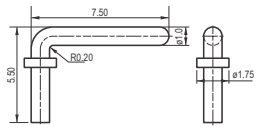
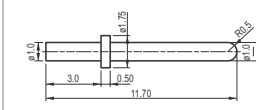


Fig 3



1MM SHORTING LINK

1mm Insulated & Non-Insulated — P8005

Specifications

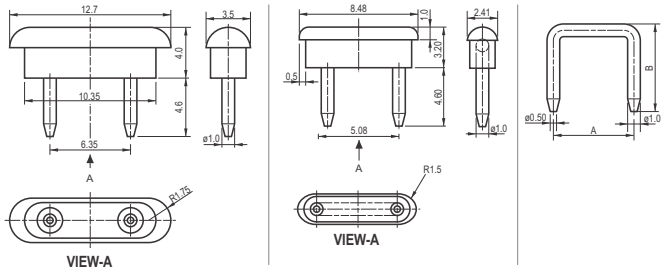
Current Rating	:	5A
Temperature Range	:	-25°C to +70°C
Mating Connectors	:	P8001, P8002, P8101, P8102, P8202

Material & Finish

Contact	:	Brass, Silver/Gold Plated
Insulator	:	Polypropylene, Grey/Red Colour



Item (Pitch) A	Part Number	
	Silver Plated	Gold Plated
Insulated (5.08mm) Grey	P8005-18-11-1	P8005-18-12-1
Insulated (6.35mm) Grey	P8005-18-11-2	P8005-18-12-2
Insulated (5.08mm) Red	P8005-12-11-1	P8005-12-12-1
Insulated (6.35mm) Red	P8005-12-11-2	P8005-12-12-2
Non-Insulated (5.08mm)	P8005-00-11-1	P8005-00-12-1
Non-Insulated (6.35mm)	P8005-00-11-2	P8005-00-12-2
Non-Insulated (10.16mm)	P8005-00-11-3	P8005-00-12-3
Non-Insulated (12.70mm)	P8005-00-11-4	P8005-00-12-4



VIEW-A

VIEW-A

1.5MM PANEL SOCKET

1.5mm Insulated — P8010

Specifications

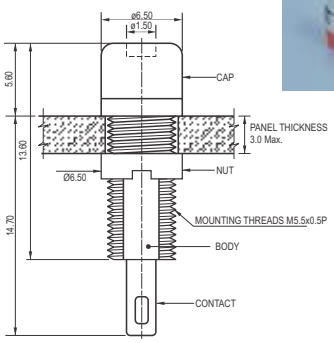
Voltage Rating	:	250V AC/DC
Current Rating	:	4A max.
Contact Resistance	:	5mΩ max.
Insulation Resistance	:	10000MΩ min.
Temperature Range	:	-25°C to +70°C
Fixing Torque for Mounting	:	20Ncm max.
Mounting Holes	:	Float Mount - Ø5.7hole Rigid Mount - Ø5.7x4.8

Colour (Cap)	Part Number
Black	P8010-10-32
Red	P8010-12-32

Material & Finish

Contact	:	Beryllium Copper, Gold Plated
Body	:	Polybutylene Terapthalate (PBT)
Cap	:	Polypropylene
Ring Nut	:	Brass, Nickel Plated





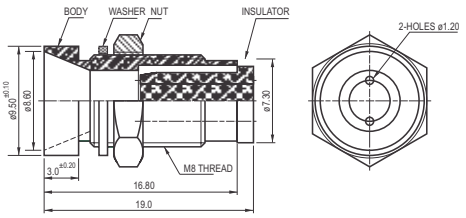
LED HOLDER

5mm Reflecting Type — P8032

Material & Finish

Body : Brass, Nickel Chrome Plated
Insulator : Nylon
Nut : Brass, Nickel Plated
Washer : Brass, Nickel Plated
Mounting Hole : Ø8.3mm

Type	Part Number
5mm Reflecting	P8032-15-16



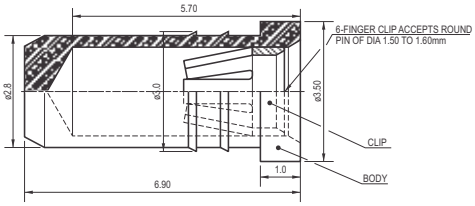


1.5MM CONNECTOR JACK

1.5mm Connector Jack Non-Insulated — P8040A

Specifications

Voltage Rating : 250V AC
Current Rating : 4A
Contact Resistance : 5mΩ max.
Temperature Range : -25°C to +70°C
Insertion Force : 0.35Kg max.
Extraction Force : 0.1Kg min.
Mounting Hole Dia in PCB : Ø2.90mm





Material & Finish

Inner Clip : Beryllium Copper, Gold Plated
Outer Sleeve : Brass, Tin/Gold Plated

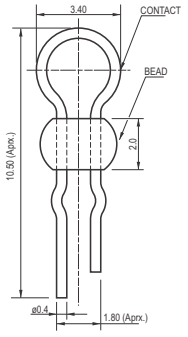
Finish	Part Number
Tin Plated	P8040A19-32
Gold Plated	P8040A12-32

TEST PIN — P8042

Material & Finish

Contact : Phosphor Bronze, Gold Plated
Bead : Ceramic
Mounting Hole Dia in PCB : Ø0.9 to Ø1.0mm

Colour	Part Number
	Gold Plated
Black	P8042-C0-22
Red	P8042-C2-22
Yellow	P8042-C4-22
Green	P8042-C5-22
Blue	P8042-C6-22
White	P8042-C9-22





PROTECTRON

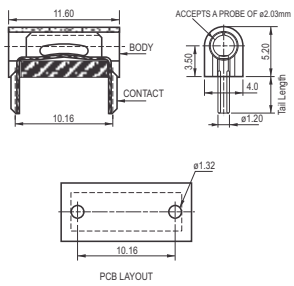
2.03MM JACK TIP HORIZONTAL (TEST POINT)

Specifications

Voltage Rating	: 600V	Dielectric Withstanding	: 2500V rms.	Material & Finish	
Current Rating	: 4A max.	Temperature Range	: -40°C to +70°C	Contact	: Beryllium Copper, Silver/Gold Plated
Contact Resistance	: 5mΩ max.	Insertion Force	: 2.2Kg max.	Insulator	: Polypropylene
Insulation Resistance	: 10000MΩ min.	Extraction Force	: 0.22Kg min.		

Type 1: Horizontal Ø2.03mm — P8020 Series

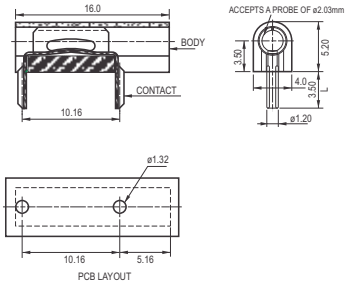
Colour	Part Number			
	For Tail Length=3.50mm		For Tail Length=5.56mm	
	Silver Plated	Gold Plated	Silver Plated	Gold Plated
Black	P8020-10-31-0	P8020-10-32-0	P8020-10-31-L	P8020-10-32-L
Brown	P8020-11-31-0	P8020-11-32-0	P8020-11-31-L	P8020-11-32-L
Red	P8020-12-31-0	P8020-12-32-0	P8020-12-31-L	P8020-12-32-L
Orange	P8020-13-31-0	P8020-13-32-0	P8020-13-31-L	P8020-13-32-L
Yellow	P8020-14-31-0	P8020-14-32-0	P8020-14-31-L	P8020-14-32-L
Green	P8020-15-31-0	P8020-15-32-0	P8020-15-31-L	P8020-15-32-L
Blue	P8020-16-31-0	P8020-16-32-0	P8020-16-31-L	P8020-16-32-L
Violet	P8020-17-31-0	P8020-17-32-0	P8020-17-31-L	P8020-17-32-L
Grey	P8020-18-31-0	P8020-18-32-0	P8020-18-31-L	P8020-18-32-L
White	P8020-19-31-0	P8020-19-32-0	P8020-19-31-L	P8020-19-32-L





Type 2: Front Panel Jack Tip Ø2.03mm

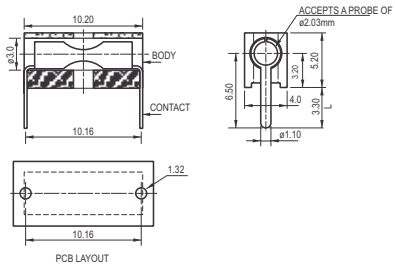
Colour	Part Number (L=3.5mm)	
	Silver Plated	Gold Plated
Black	P8020-10-31-P	P8020-10-32-P
Brown	P8020-11-31-P	P8020-11-32-P
Red	P8020-12-31-P	P8020-12-32-P
Orange	P8020-13-31-P	P8020-13-32-P
Yellow	P8020-14-31-P	P8020-14-32-P
Green	P8020-15-31-P	P8020-15-32-P
Blue	P8020-16-31-P	P8020-16-32-P
Violet	P8020-17-31-P	P8020-17-32-P
Grey	P8020-18-31-P	P8020-18-32-P
White	P8020-19-31-P	P8020-19-32-P





Type 3: Top and Side Entry Jack Tip Ø2.03mm

Colour	Part Number (L=3.3mm)	
	Silver Plated	Gold Plated
Black	P8020-10-31-T	P8020-10-32-T
Brown	P8020-11-31-T	P8020-11-32-T
Red	P8020-12-31-T	P8020-12-32-T
Orange	P8020-13-31-T	P8020-13-32-T
Yellow	P8020-14-31-T	P8020-14-32-T
Green	P8020-15-31-T	P8020-15-32-T
Blue	P8020-16-31-T	P8020-16-32-T
Violet	P8020-17-31-T	P8020-17-32-T
Grey	P8020-18-31-T	P8020-18-32-T
White	P8020-19-31-T	P8020-19-32-T





Type 4: Square Body Non-Insulated Side Mounted Ø2.03mm — P8025A

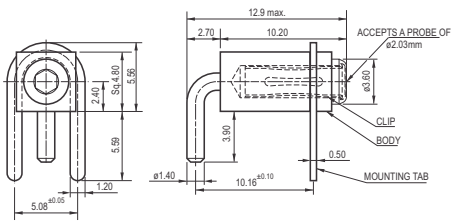
Specifications

Voltage Rating	: 250V
Current Rating	: 5.5A max.
Contact Resistance	: 4mΩ max.
Temperature Range	: -65°C to +85°C
Insertion Force	: 2.2Kg max.
Extraction Force	: 0.18Kg min.

Finish	Part Number
Gold Plated	P8025A12-32

Material & Finish

Inner Clip	: Beryllium Copper, Gold Plated
Outer Sleeve	: Brass, Gold Plated
Mounting Tab	: Brass, Gold Plated





2.03MM JACK TIP VERTICAL (TEST POINT)

Specifications

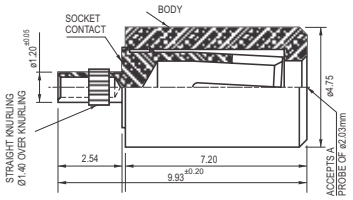
Voltage Rating	:	600V
Current Rating	:	4A max.
Contact Resistance	:	5mΩ max.
Insulation Resistance	:	10000MΩ min.
Dielectric Withstanding	:	2500V rms.
Temperature Range	:	-40° to +85°
Insertion Force	:	2.2Kg max.
Extraction Force	:	0.18Kg min.

Material & Finish

Contact	:	Phosphor Bronze, Silver/Gold Plated
Insulator	:	Glass Filled Nylon

Type 1: Vertical Ø2.03mm with Knurling — P8021

Colour	Part Number	
	Silver Plated	Gold Plated
Black	P8021-20-21	P8021-20-22
Red	P8021-22-21	P8021-22-22
Green	P8021-25-21	P8021-25-22

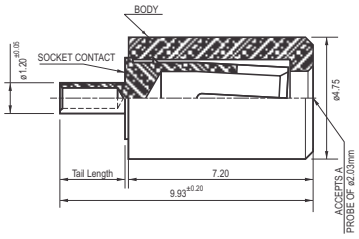




Type 2: Vertical Ø2.03mm without Knurling — P8022

Colour	Part Number, Tail Length= 2.54mm	
	Silver Plated	Gold Plated
Black	P8022-20-21-0	P8022-20-22-0
Red	P8022-22-21-0	P8022-22-22-0
Green	P8022-25-21-0	P8022-25-22-0

Colour	Part Number, Tail Length= 4.5mm	
	Silver Plated	Gold Plated
Black	P8022-20-21-L	P8022-20-22-L
Red	P8022-22-21-L	P8022-22-22-L
Green	P8022-25-21-L	P8022-25-22-L





Type 3: Vertical Ø2.03mm Panel Mounting Press Fit — P8025

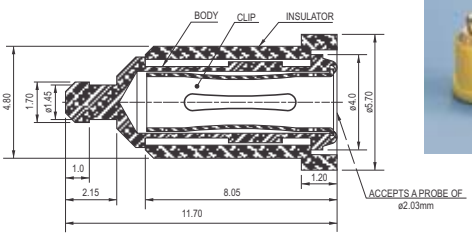
Specifications

Voltage Rating	:	800V
Current Rating	:	5.5A max.
Contact Resistance	:	4mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	1800V rms.
Temperature Range	:	-65°C to +85°C
Insertion Force	:	2.2Kg max.
Extraction Force	:	0.18Kg min

Material & Finish

Inner Clip	:	Beryllium Copper, Gold Plated
Outer Sleeve	:	Brass, Gold Plated
Insulator	:	Nylon

Colour	Part Number
	Gold Plated
Black	P8025-20-23
Brown	P8025-21-23
Red	P8025-22-23
Orange	P8025-23-23
Yellow	P8025-24-23
Green	P8025-25-23
Blue	P8025-26-23
Violet	P8025-27-23
Grey	P8025-28-23
White	P8025-29-23





Type 4: Vertical Ø2.03mm Press Fit — P8025B

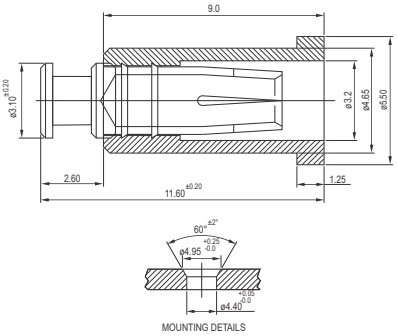
Specifications

Voltage Rating	:	800V
Current Rating	:	5.5A max.
Contact Resistance	:	4mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	1000V rms.
Temperature Range	:	-65°C to +85°C
Insertion Force	:	2.2Kg max.
Extraction Force	:	0.18Kg min

Material & Finish

Contact: Beryllium Copper, Gold plated
Insulator: Teflon

Colour	Part Number
	Gold Plated
Black	P8025B30-3K
Brown	P8025B31-3K
Red	P8025B32-3K
Orange	P8025B33-3K
Yellow	P8025B34-3K
Green	P8025B35-3K
Blue	P8025B36-3K
Violet	P8025B37-3K
Grey	P8025B38-3K
White	P8025B39-3K





4MM TEST POINT SINGLE CONTACT

Specifications

Voltage Rating	:	750V AC Peak
Current Rating	:	10A
Contact Resistance	:	2mΩ max.
Insulation Resistance	:	1000MΩ min. at 500V DC
Dielectric Withstanding	:	1500V rms.
Temperature Range	:	-40°C to +85°C
Insertion Force	:	1.0Kg max.
Extraction Force	:	0.5Kg min.

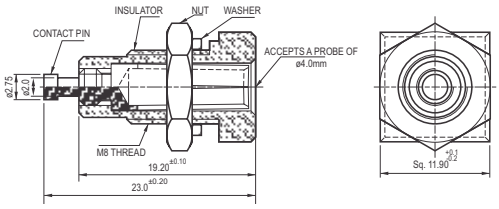


Material & Finish

Contact	:	Phosphor Bronze, Gold Plated
Insulator	:	Polypropylene/Nylon
Nut	:	Brass, Nickel Plated
Washer	:	Brass, Nickel Plated

4mm Panel Mounting Single Contact — P8023

Colour	Part Number	
	For Nylon	For Polypropylene
	Gold Plated	Gold Plated
Black	P8023-20-23	P8023-10-23
Brown	P8023-21-23	P8023-11-23
Red	P8023-22-23	P8023-12-23
Orange	P8023-23-23	P8023-13-23
Yellow	P8023-24-23	P8023-14-23
Green	P8023-25-23	P8023-15-23
Blue	P8023-26-23	P8023-16-23
Violet	P8023-27-23	P8023-17-23
Grey	P8023-28-23	P8023-18-23
White	P8023-29-23	P8023-19-23



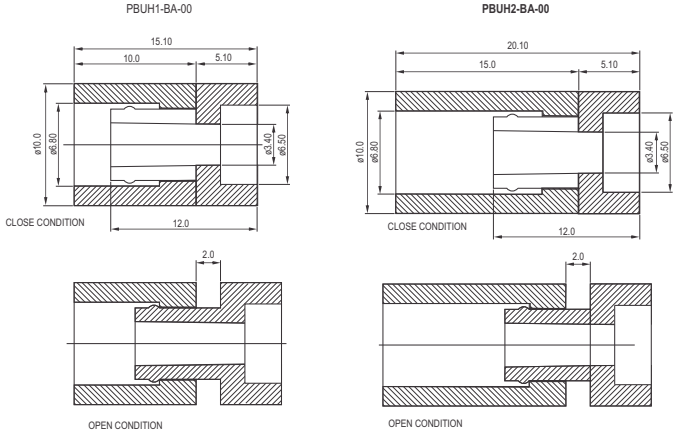
ONE TOUCH COLLAR BUSHING — PBUH Series

Material & Finish

Insulator: ABS, Natural color



Part Number	
L=10mm	L=15mm
PBUH1-BA-00	PBUH2-BA-00



TERMINAL BOARD SCREW TYPE DOUBLE ROW

Type 1: 15A — P8047

Specifications

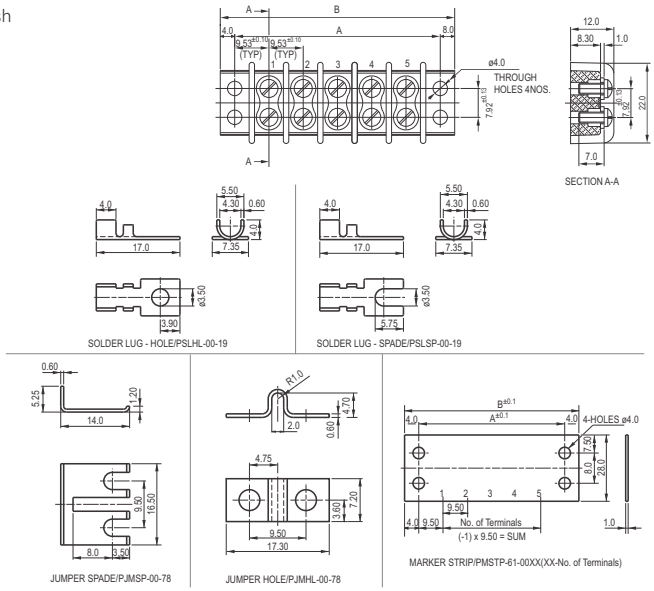
Voltage Rating : 300V AC rms. Max.
Current Rating : 15A
Insulation Resistance at 500V DC : 1000MΩ min.
Dielectric Withstanding : 2000V AC rms.
Temperature Range : - 65°C to +125°C

Material & Finish

Insulator : Glass Filled Thermoplastic Polyester
Terminal Lugs : Brass, Tin Plated Over Copper Flash
Screws : Brass, Nickel Plated Over Copper Flash
Jumpers : Steel, Nickel Plated Over Copper Flash
Marker Strip : Phenolic Nylon Filled



NO. OF TERMINALS	A ±0.40	A ±0.40	PROTECTRON PART NUMBER
2	28.58	36.12	P8047-50-1F02
3	38.10	45.64	P8047-50-1F03
4	47.63	55.17	P8047-50-1F04
5	57.15	65.07	P8047-50-1F05
6	66.68	74.63	P8047-50-1F06
7	76.20	84.12	P8047-50-1F07
8	85.73	93.68	P8047-50-1F08
9	95.66	103.17	P8047-50-1F09
10	105.18	112.73	P8047-50-1F10
11	114.76	122.22	P8047-50-1F11
12	124.23	131.78	P8047-50-1F12
13	133.76	141.27	P8047-50-1F13
14	143.28	150.83	P8047-50-1F14
15	152.81	160.32	P8047-50-1F15
16	162.33	169.88	P8047-50-1F16
17	171.86	179.43	P8047-50-1F17
18	181.38	188.93	P8047-50-1F18
19	190.91	198.83	P8047-50-1F19
20	200.80	208.36	P8047-50-1F20

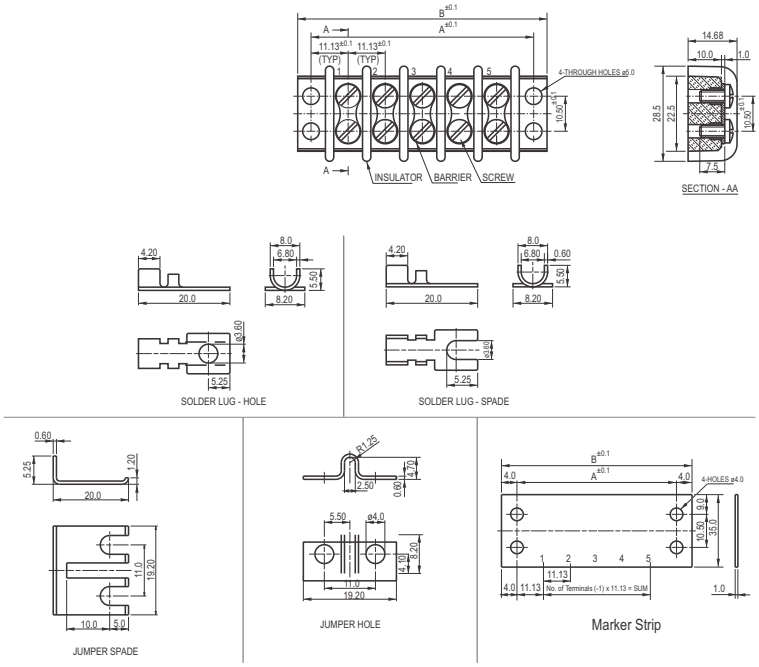


Type 2: 20A — P8047A

Specifications

Voltage Rating : 600V AC rms. Max.
Current Rating : 20A
Insulation Resistance at 500V DC : 1000MΩ min
Dielectric Withstanding : 2500V AC rms.
Temperature Range : -65°C to +125°C

No. of Terminals	A±0.1	B±0.1	Part Number
4	55.65	63.65	P8047A50-1F04
5	66.78	77.78	P8047A50-1F05
6	77.91	85.91	P8047A50-1F06
7	89.04	97.04	P8047A50-1F07
8	100.17	108.17	P8047A50-1F08
9	111.30	119.30	P8047A50-1F09
10	122.43	130.43	P8047A50-1F10
12	144.69	152.69	P8047A50-1F12
14	166.95	174.95	P8047A50-1F14
16	189.21	197.21	P8047A50-1F16
18	211.47	219.47	P8047A50-1F18
20	233.73	241.73	P8047A50-1F20



PROTECTRON

COIN CELL BATTERY HOLDER

Vertical PBATH 1 - 20 - 19

Specifications/Key Features

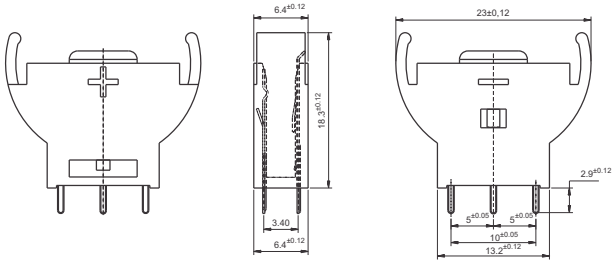
- Coin Cell Holder, 3pin Vertical Type
- For CR2032 (Ø 20mm) Coin Cell
- Temperature Range: -50°C to +145°C



Material & Finish

Contact : Copper Alloy, Tin Plated

Insulator : GF Nylon, UL 94V-0, Black



Horizontal PBATH 11 - 20 - 19

Specifications

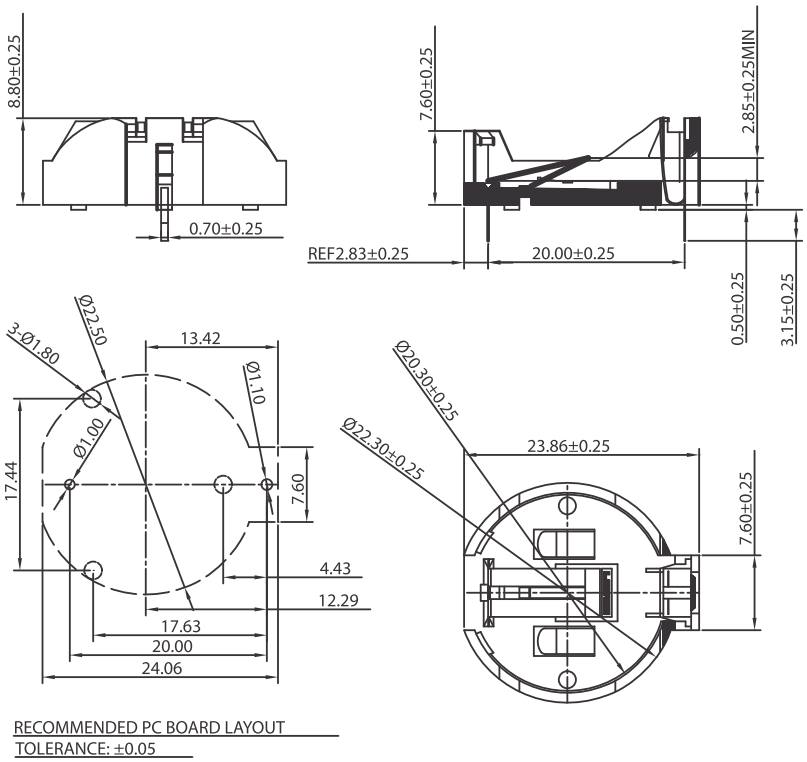
Coin Battery holder horizontal mount type for CR2032



Material & Finish

Contact : Copper Alloy, Tin-Plated

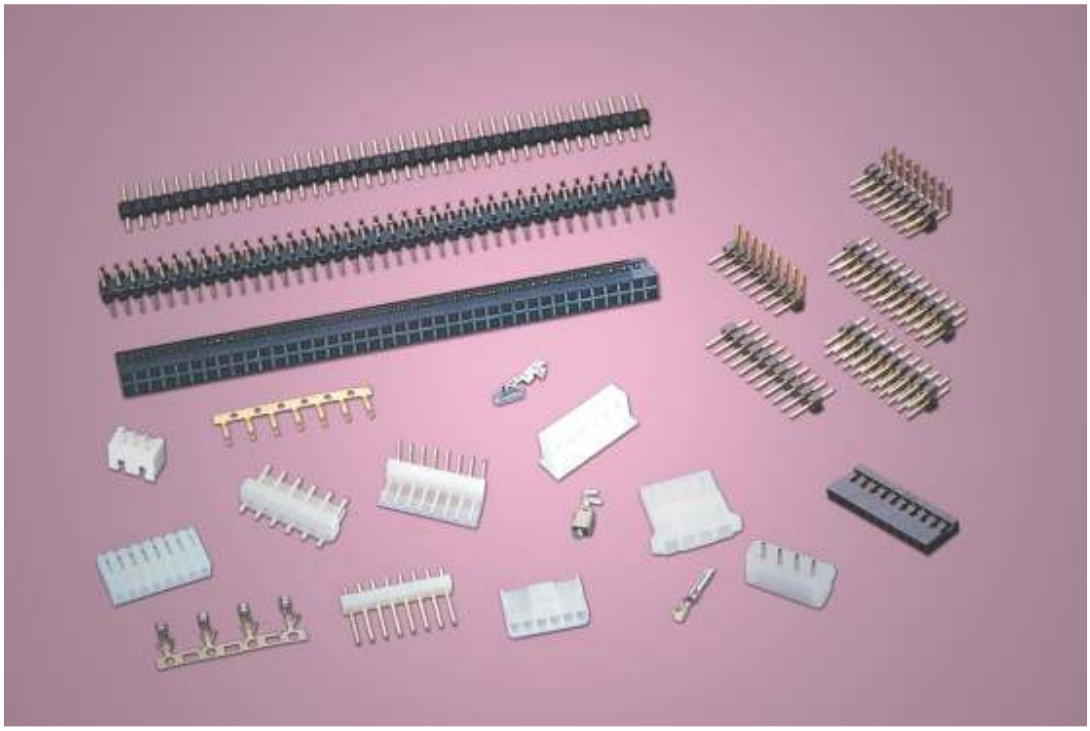
Insulator : Thermoplastic, UL94V-0, Black



RECOMMENDED PC BOARD LAYOUT
TOLERANCE: ±0.05

PROTECTRON

2 PART CONNECTOR SYSTEM (BOARD TO WIRE CONNECTORS)



PROTECTRON

1.0MM (0.039") PITCH, DISCONNECTABLE SH CONNECTORS

Specifications :

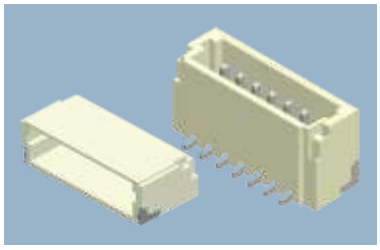
No. of Ways	: 2-20
Voltage Rating	: 50V AC,DC
Current Rating	: 1A AC,DC
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 500MΩ min.
Temperature Range	: -25°C to +85°C
Dielectric Withstanding	: 500V AC/Minute
Crimp Terminal Wire Size	: 28-32 AWG
Insulation O.D	: 0.80mm max.

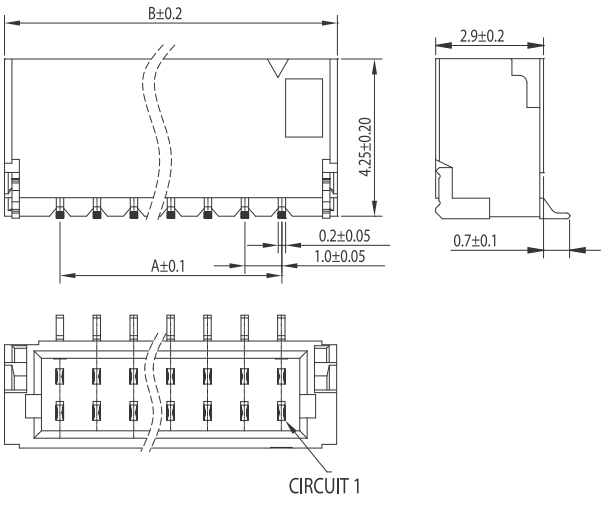
Material & Finish :

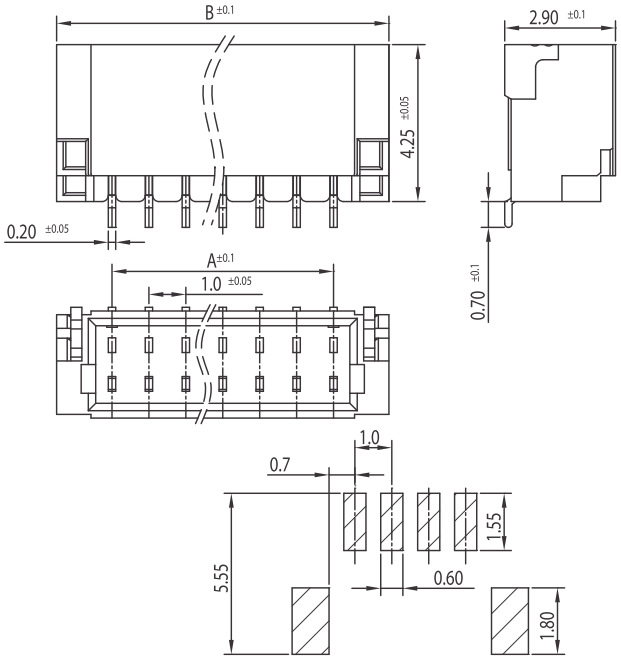
Crimp Contact	:	Copper Alloy, Tin Plated
Square Pin	:	Copper Alloy, Tin Plated
Insulator	:	Nylon 6T, UL94V-0

WAFER Disconnectable, Surface Mount (Straight & Right Angle) P9077S & P9077R

No.of Ways	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	1.00	4.00	P9077S29-19-2	P9077R29-19-2
3	2.00	5.00	P9077S29-19-3	P9077R29-19-3
4	3.00	6.00	P9077S29-19-4	P9077R29-19-4
5	4.00	7.00	P9077S29-19-5	P9077R29-19-5
6	5.00	8.00	P9077S29-19-6	P9077R29-19-6
7	6.00	9.00	P9077S29-19-7	P9077R29-19-7
8	7.00	10.00	P9077S29-19-8	P9077R29-19-8
9	8.00	11.00	P9077S29-19-9	P9077R29-19-9
10	9.00	12.00	P9077S29-19-A	P9077R29-19-A
11	10.00	13.00	P9077S29-19-B	P9077R29-19-B
12	11.00	14.00	P9077S29-19-C	P9077R29-19-C
13	12.00	15.00	P9077S29-19-D	P9077R29-19-D
14	13.00	16.00	P9077S29-19-E	P9077R29-19-E
15	14.00	17.00	P9077S29-19-F	P9077R29-19-F
16	15.00	18.00	P9077S29-19-G	P9077R29-19-G
17	16.00	19.00	P9077S29-19-H	P9077R29-19-H
18	17.00	20.00	P9077S29-19-I	P9077R29-19-I
19	18.00	21.00	P9077S29-19-J	P9077R29-19-J
20	19.00	22.00	P9077S29-19-K	P9077R29-19-K

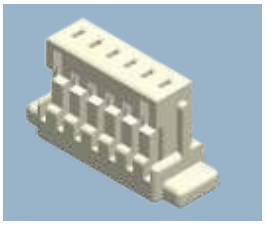


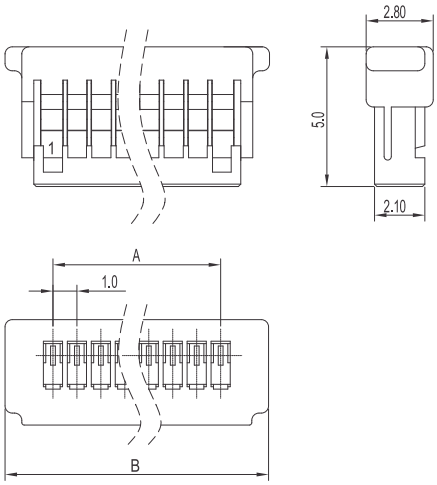




HOUSING, Disconnectable, With Bump, P9077H

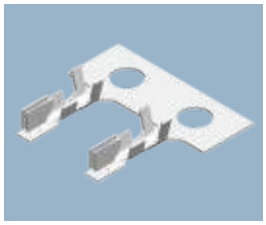
No of Ways	Dimensions A A±0.20	Dimensions B B±0.20	Part Number
2	1.00	5.00	P9077H29-00-2
3	2.00	6.00	P9077H29-00-3
4	3.00	7.00	P9077H29-00-4
5	4.00	8.00	P9077H29-00-5
6	5.00	9.00	P9077H29-00-6
7	6.00	10.00	P9077H29-00-7
8	7.00	11.00	P9077H29-00-8
9	8.00	12.00	P9077H29-00-9
A=10	9.00	13.00	P9077H29-00-A
B=11	10.00	14.00	P9077H29-00-B
C=12	11.00	15.00	P9077H29-00-C
D=13	12.00	16.00	P9077H29-00-D
E=14	13.00	17.00	P9077H29-00-E
F=15	14.00	18.00	P9077H29-00-F
G=16	15.00	19.00	P9077H29-00-G
H=17	16.00	20.00	P9077H29-00-H
I=18	17.00	21.00	P9077H29-00-I
J=19	18.00	22.00	P9077H29-00-J
K=20	19.00	23.00	P9077H29-00-K

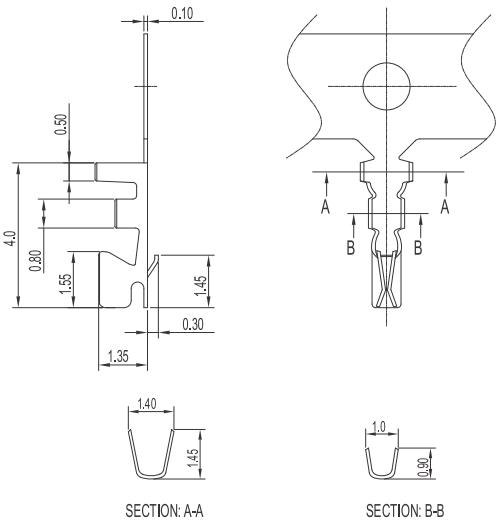




CRIMP TERMINAL P9077T

Finish	Part Number
Tin Plated	P9077T00-29





PROTECTRON

1.25MM (0.049") PITCH DISCONNECTABLE CONNECTORS

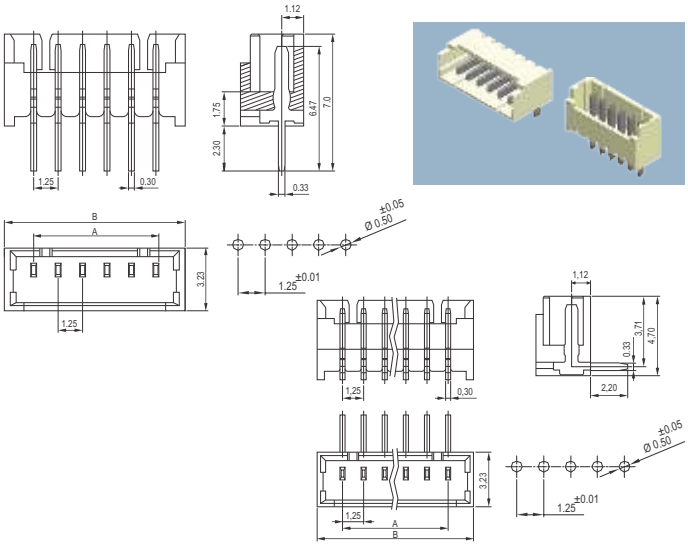
P9056 Series

Specifications

No. of Ways	:	2-15	Material & Finish	
Voltage Rating	:	1000V AC,DC	Crimp Contact	: Phosphor Bronze, Tin Plated
Current Rating	:	1A AC, DC	Square Pin	: Phosphor Bronze, Tin Plated
Contact Resistance	:	20mΩ max.	Insulator	: Nylon, UL 94V-0
Insulation Resistance	:	500MΩ min.		
Dielectric Withstanding	:	500V AC/minute		
Temperature Range	:	-25°C to +85°C		
Crimp Terminal Wire Size	:	28-32 AWG		
Insulation O.D	:	1.00mm max.		

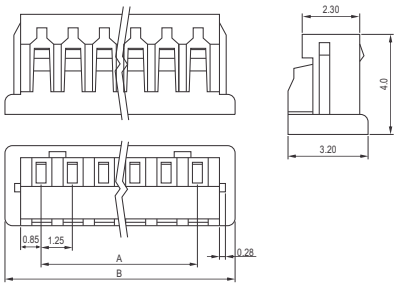
HEADER (Straight & Right Angle) — P9056S & P9056R

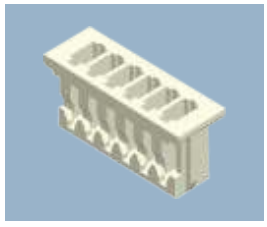
No. of Ways	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	1.25	4.25	P9056S29-19-2	P9056R29-19-2
3	2.50	5.50	P9056S29-19-3	P9056R29-19-3
4	3.75	6.75	P9056S29-19-4	P9056R29-19-4
5	5.0	8.0	P9056S29-19-5	P9056R29-19-5
6	6.25	9.25	P9056S29-19-6	P9056R29-19-6
7	7.50	10.50	P9056S29-19-7	P9056R29-19-7
8	8.75	11.75	P9056S29-19-8	P9056R29-19-8
9	10.0	13.0	P9056S29-19-9	P9056R29-19-9
A=10	11.25	14.25	P9056S29-19-A	P9056R29-19-A
B=11	12.50	15.50	P9056S29-19-B	P9056R29-19-B
C=12	13.75	16.75	P9056S29-19-C	P9056R29-19-C
D=13	15.0	18.0	P9056S29-19-D	P9056R29-19-D
E=14	16.25	19.25	P9056S29-19-E	P9056R29-19-E
F=15	17.50	20.50	P9056S29-19-F	P9056R29-19-F



HOUSING — P9056H

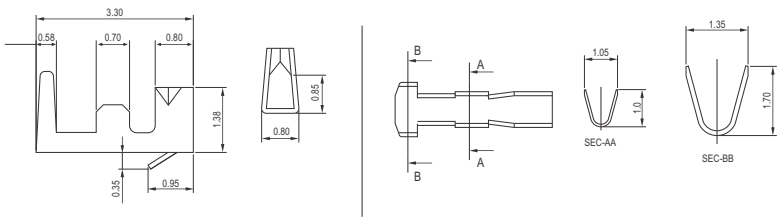
No. of Ways	Dimensions		Part Number
	A	B	
2	1.25	4.20	P9056H29-00-2
3	2.50	5.45	P9056H29-00-3
4	3.75	6.70	P9056H29-00-4
5	5.0	7.95	P9056H29-00-5
6	6.25	9.20	P9056H29-00-6
7	7.50	10.45	P9056H29-00-7
8	8.75	11.70	P9056H29-00-8
9	10.0	12.95	P9056H29-00-9
A=10	11.25	14.20	P9056H29-00-A
B=11	12.50	15.45	P9056H29-00-B
C=12	13.75	16.70	P9056H29-00-C
D=13	15.0	17.95	P9056H29-00-D
E=14	16.25	19.20	P9056H29-00-E
F=15	17.50	20.45	P9056H29-00-F

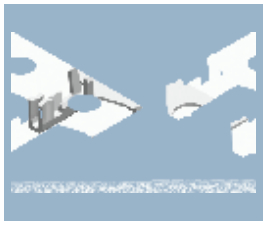




CRIMP TERMINAL — P9056T00-19

Finish	Part Number
Tin Plated	P9056T00-19

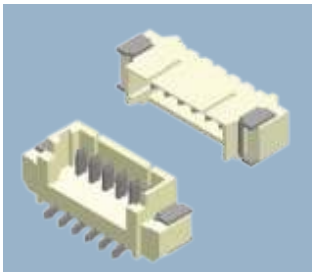


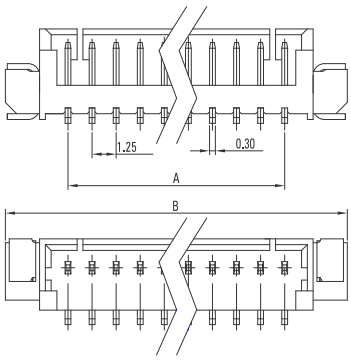


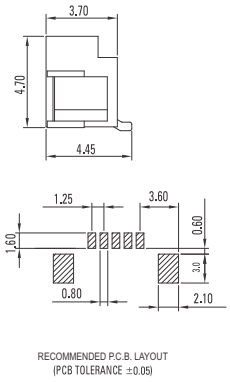
HEADER, Surface Mount (Straight & Right Angle)

P9056M & P9056N

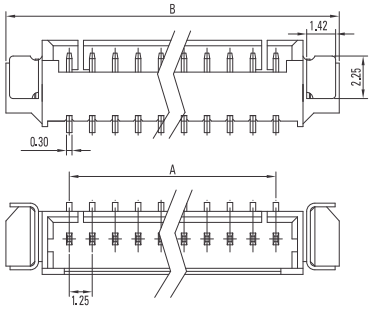
No. of Ways	Dimension		Part Number	
	A	B	Straight	Right Angle
2	1.25	7.75	P9056M29-19-2	P9056N29-19-2
3	2.50	9.00	P9056M29-19-3	P9056N29-19-3
4	3.75	10.25	P9056M29-19-4	P9056N29-19-4
5	5.00	11.50	P9056M29-19-5	P9056N29-19-5
6	6.25	12.75	P9056M29-19-6	P9056N29-19-6
7	7.50	14.00	P9056M29-19-7	P9056N29-19-7
8	8.75	15.25	P9056M29-19-8	P9056N29-19-8
9	10.00	16.50	P9056M29-19-9	P9056N29-19-9
A=10	11.25	17.75	P9056M29-19-A	P9056N29-19-A
B=11	12.50	19.00	P9056M29-19-B	P9056N29-19-B
C=12	13.75	20.25	P9056M29-19-C	P9056N29-19-C
D=13	15.00	21.50	P9056M29-19-D	P9056N29-19-D
E=14	16.25	22.75	P9056M29-19-E	P9056N29-19-E
F=15	17.50	24.00	P9056M29-19-F	P9056N29-19-F

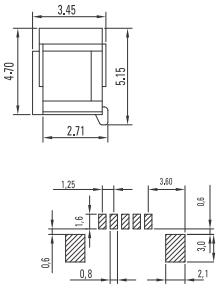






RECOMMENDED P.C.B. LAYOUT
(PCB TOLERANCE ±0.05)





RECOMMENDED P.C.B. LAYOUT
(PCB TOLERANCE ±0.05)

1.50MM (0.059") PITCH DISCONNECTABLE ZH CONNECTORS

Specifications

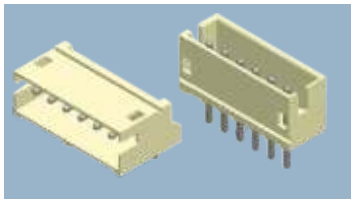
No.of Ways	: 2 - 13
Voltage Rating	: 100V AC,DC
Current Rating	: 1A AC,DC
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 500MΩ min.
Temperature Range	: -25°C to +85°C
Dielectric Withstanding	: 500V AC/minute
Crimp Terminal Wire Size	: 26-32 AWG
Insulation O.D.	: 1.10mm max.

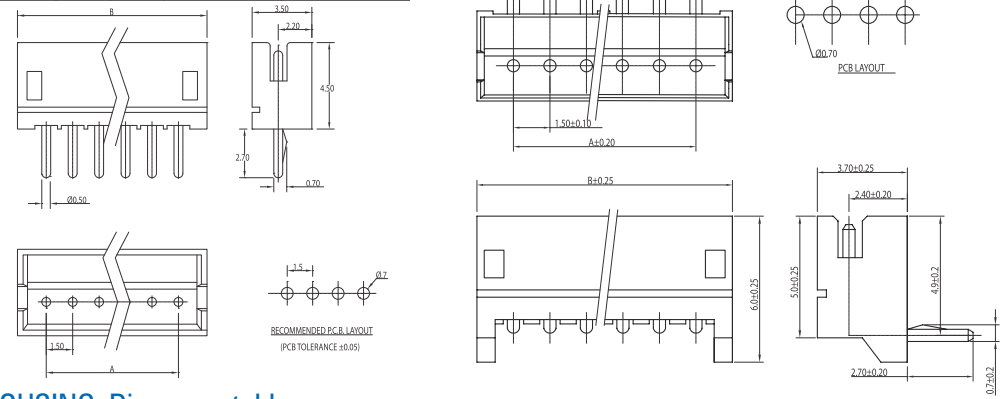
Material & Finish

Crimp Contact	: Copper Alloy, Tin Plated
Round Pin	: Copper Alloy, Gold Plated
Insulator	: Nylon 66, UL94V-0

WAFER, Disconnectable (Straight & Right Angle) — P9058S & P9058R

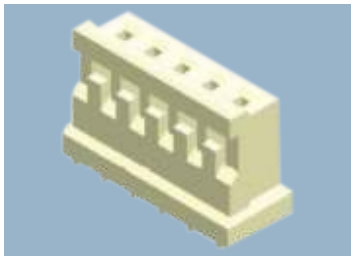
No. Of Ways	Dimension		Part Number	
	A	B	Straight	Right Angle
2	1.50	4.50	P9058S29-19-2	P9058R29-19-2
3	3.00	6.00	P9058S29-19-3	P9058R29-19-3
4	4.50	7.50	P9058S29-19-4	P9058R29-19-4
5	6.00	9.00	P9058S29-19-5	P9058R29-19-5
6	7.50	10.50	P9058S29-19-6	P9058R29-19-6
7	9.00	12.00	P9058S29-19-7	P9058R29-19-7
8	10.50	13.50	P9058S29-19-8	P9058R29-19-8
9	12.00	15.00	P9058S29-19-9	P9058R29-19-9
A=10	13.50	16.50	P9058S29-19-A	P9058R29-19-A
B=11	15.00	18.00	P9058S29-19-B	P9058R29-19-B
C=12	16.50	19.50	P9058S29-19-C	P9058R29-19-C
D=13	18.00	21.00	P9058S29-19-D	P9058R29-19-D

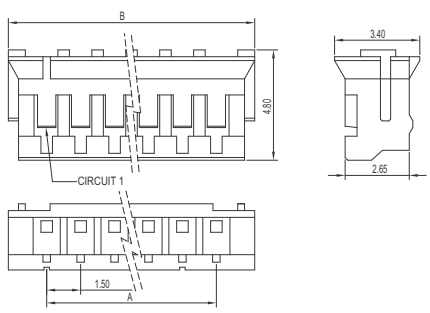




HOUSING, Disconnectable — P9058H

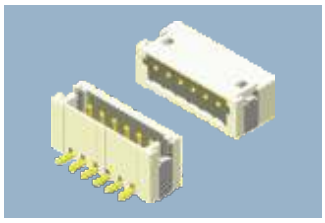
No. Of Ways	Dimension		Part Number
	A±0.20	B±0.25	
2	1.50	4.50	P9058H29-00-2
3	3.00	6.00	P9058H29-00-3
4	4.50	7.50	P9058H29-00-4
5	6.00	9.00	P9058H29-00-5
6	7.50	10.50	P9058H29-00-6
7	9.00	12.00	P9058H29-00-7
8	10.50	13.50	P9058H29-00-8
9	12.00	15.00	P9058H29-00-9
10	13.50	16.50	P9058H29-00-A
11	15.00	18.00	P9058H29-00-B
12	16.50	19.50	P9058H29-00-C
13	18.00	21.00	P9058H29-00-D

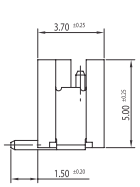


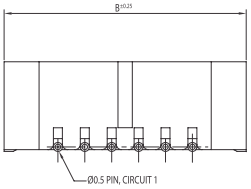


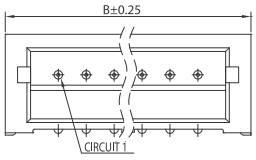
WAFER, Disconnectable, Surface Mount (Straight & Right Angle) P9058M & P9058N

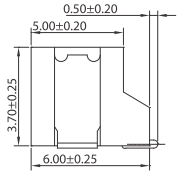
No. Of Ways	Dim. A	Dim.B	Part Number	
			Straight	Rirht Angle
2	1.50	4.50	P9058M29-12-2	P9058N29-12-2
3	3.00	6.00	P9058M29-12-3	P9058N29-12-3
4	4.50	7.50	P9058M29-12-4	P9058N29-12-4
5	6.00	9.00	P9058M29-12-5	P9058N29-12-5
6	7.50	10.50	P9058M29-12-6	P9058N29-12-6
7	9.00	12.00	P9058M29-12-7	P9058N29-12-7
8	10.50	13.50	P9058M29-12-8	P9058N29-12-8
9	12.00	15.00	P9058M29-12-9	P9058N29-12-9
10	13.50	16.50	P9058M29-12-A	P9058N29-12-A
11	15.00	18.00	P9058M29-12-B	P9058N29-12-B
12	16.50	19.50	P9058M29-12-C	P9058N29-12-C
13	18.00	21.00	P9058M29-12-D	P9058N29-12-D

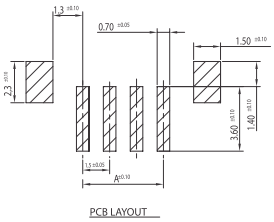


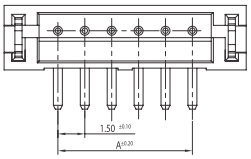


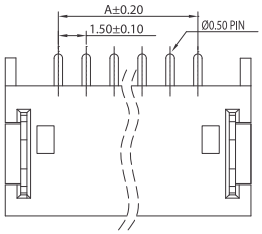


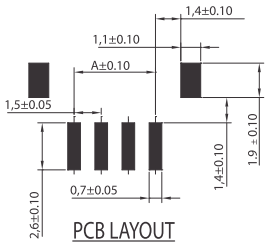






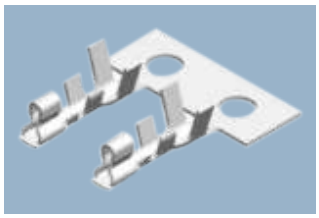


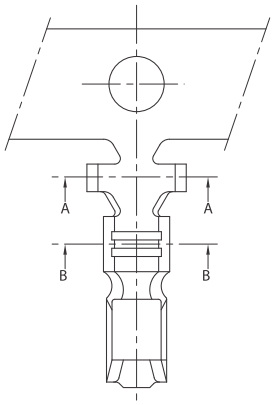


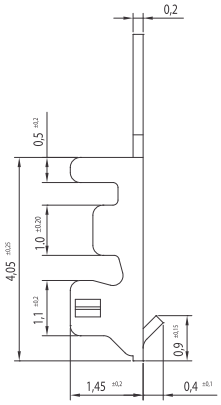


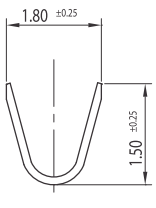
CRIMP TERMINAL, For ZH Connector, 1.50mm Pitch P9058T

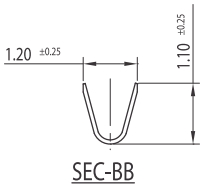
Finish	Part Number
Tin Plated	P9058T00-29











PROTECTRON

2.00MM (0.079") PITCH MINI LATCH CONNECTORS

Specifications

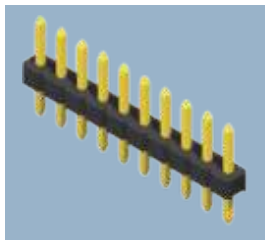
No. of Ways	:	2-40 (Single row) 4-80 (Double row)
Voltage Rating	:	125V AC/DC
Current Rating	:	1A AC/ DC
Contact Resistance	:	20mΩ Max
Insulation Resistance	:	1000MΩ Min
Dielectric Withstanding	:	800V AC/Min
Temperature Withstanding	:	-25°C to + 125°C
Crimp Terminal Wire Size	:	30-26 AWG

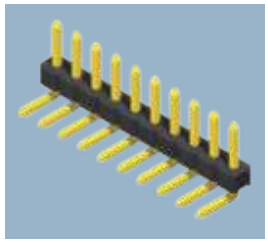
Material & Finish

Crimp Contact	:	Brass, Tin/Gold Plated
Square Pin	:	Copper Alloy, Gold Plated
Insulator	:	PBT, UL94V-0

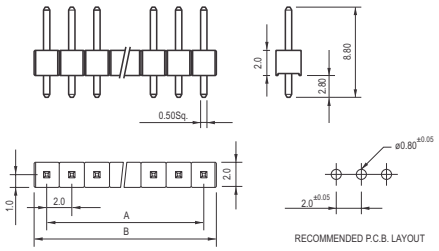
PIN HEADER, Single Row Straight/Right Angle — P9111A/P9112A

No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B
02	2.0	4.0	12	22.0	24.0	22	42.0	44.0	32	62.0	64.0
03	4.0	6.0	13	24.0	26.0	23	44.0	46.0	33	64.0	66.0
04	6.0	8.0	14	26.0	28.0	24	46.0	48.0	34	66.0	68.0
05	8.0	10.0	15	28.0	30.0	25	48.0	50.0	35	68.0	70.0
06	10.0	12.0	16	30.0	32.0	26	50.0	52.0	36	70.0	72.0
07	12.0	14.0	17	32.0	34.0	27	52.0	54.0	37	72.0	74.0
08	14.0	16.0	18	34.0	36.0	28	54.0	56.0	38	74.0	76.0
09	16.0	18.0	19	36.0	38.0	29	56.0	58.0	39	76.0	78.0
10	18.0	20.0	20	38.0	40.0	30	58.0	60.0	40	78.0	80.0
11	20.0	22.0	21	40.0	42.0	31	60.0	62.0			

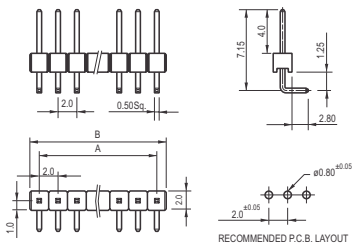




P9111AXX-11-1
XX-No. of Contacts: 02-40

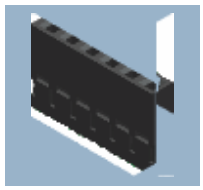


P9112AXX-11-1
XX-No. of Contacts: 02-40

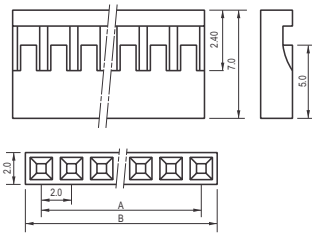


HOUSING, Single Row — P9111H

No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B
02	2.0	4.0	12	22.0	24.0	22	42.0	44.0	32	62.0	64.0
03	4.0	6.0	13	24.0	26.0	23	44.0	46.0	33	64.0	66.0
04	6.0	8.0	14	26.0	28.0	24	46.0	48.0	34	66.0	68.0
05	8.0	10.0	15	28.0	30.0	25	48.0	50.0	35	68.0	70.0
06	10.0	12.0	16	30.0	32.0	26	50.0	52.0	36	70.0	72.0
07	12.0	14.0	17	32.0	34.0	27	52.0	54.0	37	72.0	74.0
08	14.0	16.0	18	34.0	36.0	28	54.0	56.0	38	74.0	76.0
09	16.0	18.0	19	36.0	38.0	29	56.0	58.0	39	76.0	78.0
10	18.0	20.0	20	38.0	40.0	30	58.0	60.0	40	78.0	80.0
11	20.0	22.0	21	40.0	42.0	31	60.0	62.0			

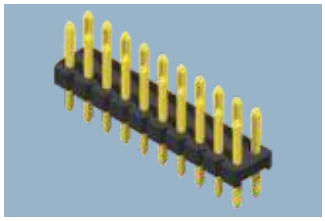


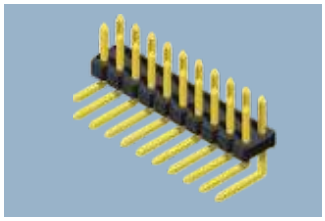
P9111H50-00XX
XX-No. of Contacts: 02-40



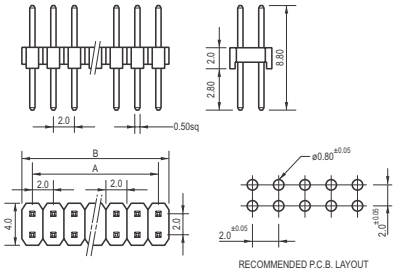
PIN HEADER, Double Row Straight/Right Angle — P9113A/P9114A

No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B
04	2.0	4.0	24	22.0	24.0	44	42.0	44.0	64	62.0	64.0
06	4.0	6.0	26	24.0	26.0	46	44.0	46.0	66	64.0	66.0
08	6.0	8.0	28	26.0	28.0	48	46.0	48.0	68	66.0	68.0
10	8.0	10.0	30	28.0	30.0	50	48.0	50.0	70	68.0	70.0
12	10.0	12.0	32	30.0	32.0	52	50.0	52.0	72	70.0	72.0
14	12.0	14.0	34	32.0	34.0	54	52.0	54.0	74	72.0	74.0
16	14.0	16.0	36	34.0	36.0	56	54.0	56.0	76	74.0	76.0
18	16.0	18.0	38	36.0	38.0	58	56.0	58.0	78	76.0	78.0
20	18.0	20.0	40	38.0	40.0	60	58.0	60.0	80	78.0	80.0
22	20.0	22.0	42	40.0	42.0	62	60.0	62.0			

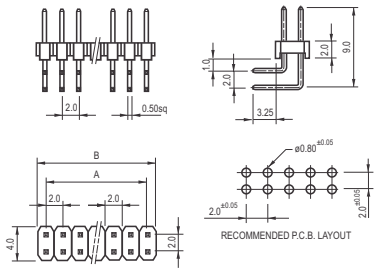




P9113AXX-11-1
XX-No. of Contacts: 04-80

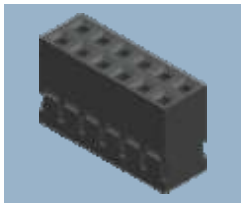


P9114AXX-1A-1
XX-No. of Contacts: 04-80

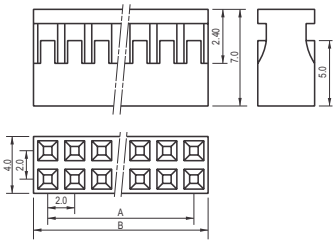


HOUSING, Double Row — P9113H

No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B	No. of Pins	Dim. A	Dim. B
04	2.0	4.0	24	22.0	24.0	44	42.0	44.0	64	62.0	64.0
06	4.0	6.0	26	24.0	26.0	46	44.0	46.0	66	64.0	66.0
08	6.0	8.0	28	26.0	28.0	48	46.0	48.0	68	66.0	68.0
10	8.0	10.0	30	28.0	30.0	50	48.0	50.0	70	68.0	70.0
12	10.0	12.0	32	30.0	32.0	52	50.0	52.0	72	70.0	72.0
14	12.0	14.0	34	32.0	34.0	54	52.0	54.0	74	72.0	74.0
16	14.0	16.0	36	34.0	36.0	56	54.0	56.0	76	74.0	76.0
18	16.0	18.0	38	36.0	38.0	58	56.0	58.0	78	76.0	78.0
20	18.0	20.0	40	38.0	40.0	60	58.0	60.0	80	78.0	80.0
22	20.0	22.0	42	40.0	42.0	62	60.0	62.0			

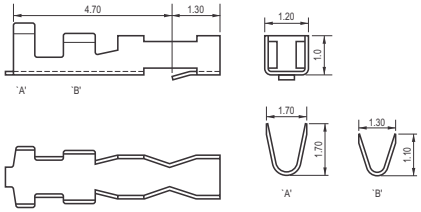


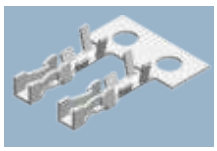
P9113H50-00XX
XX - No. of Contacts : 04-80



CRIMP TERMINAL — P911XT

Description	Part Number	
	Tin Plated	Gold Plated
Crimp Terminal	P911XT00-19	P911XT00-12





2.00MM (0.079") PITCH DISCONNECTABLE PH CONNECTORS

P9057 Series

Specifications

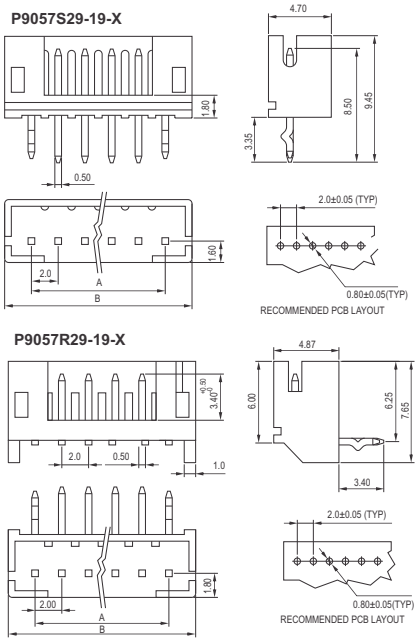
No. of Ways	:	2-15
Voltage Rating	:	125V AC, DC
Current Rating	:	2A AC, DC
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	1500V AC/minute
Temperature Range	:	-25°C to +125°C
Crimp Terminal Wire Size	:	24-30 AWG
Insulation O.D	:	1.40mm max.

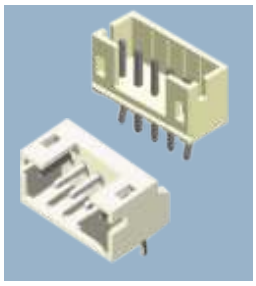
Material & Finish

Crimp Contact	:	Copper Alloy, Tin Plated
Square Pin	:	Copper Alloy, Tin Plated
Insulator	:	Nylon, UL 94V-0

WAFER, Disconnectable (Straight & Right Angle) — P9057S & P9057R

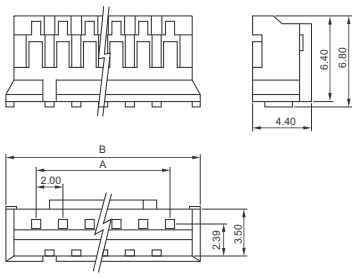
No. of Ways	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	2.00	6.00	P9057S29-19-2	P9057R29-19-2
3	4.00	8.00	P9057S29-19-3	P9057R29-19-3
4	6.00	10.00	P9057S29-19-4	P9057R29-19-4
5	8.00	12.00	P9057S29-19-5	P9057R29-19-5
6	10.00	14.00	P9057S29-19-6	P9057R29-19-6
7	12.00	16.00	P9057S29-19-7	P9057R29-19-7
8	14.00	18.00	P9057S29-19-8	P9057R29-19-8
9	16.00	20.00	P9057S29-19-9	P9057R29-19-9
A=10	18.00	22.00	P9057S29-19-A	P9057R29-19-A
B=11	20.00	24.00	P9057S29-19-B	P9057R29-19-B
C=12	22.00	26.00	P9057S29-19-C	P9057R29-19-C
D=13	24.00	28.00	P9057S29-19-D	P9057R29-19-D
E=14	26.00	30.00	P9057S29-19-E	P9057R29-19-E
F=15	28.00	32.00	P9057S29-19-F	P9057R29-19-F
G=16	30.00	34.00	P9057S29-19-G	P9057R29-19-G

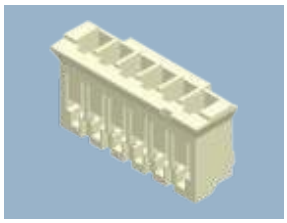




HOUSING Disconnectable — P9057H

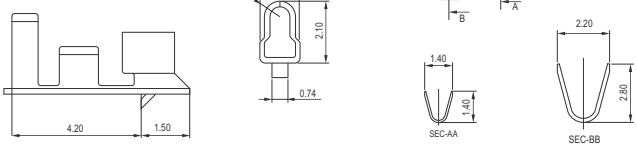
No. of Ways	Dimensions		Part Number
	A	B	
2	2.00	6.00	P9057H29-00-2
3	4.00	8.00	P9057H29-00-3
4	6.00	10.00	P9057H29-00-4
5	8.00	12.00	P9057H29-00-5
6	10.00	14.00	P9057H29-00-6
7	12.00	16.00	P9057H29-00-7
8	14.00	18.00	P9057H29-00-8
9	16.00	20.00	P9057H29-00-9
A=10	18.00	22.00	P9057H29-00-A
B=11	20.00	24.00	P9057H29-00-B
C=12	22.00	26.00	P9057H29-00-C
D=13	24.00	28.00	P9057H29-00-D
E=14	26.00	30.00	P9057H29-00-E
F=15	28.00	32.00	P9057H29-00-F

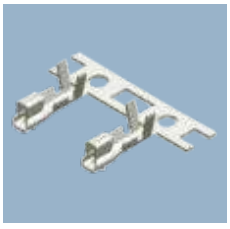




CRIMP TERMINAL — P9057T

Finish	Part Number
Tin Plated	P9057T00-29





2.00MM (0.079") PITCH DISCONNECTABLE PHD CONNECTORS DOUBLE ROW

P9069 Series

Specifications

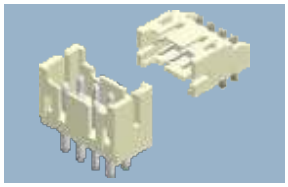
No. of Ways	: 4-40	Dielectric Withstanding	: 800V AC/minute
Voltage Rating	: 250V AC, DC	Temperature Range	: -25°C to +85°C
Current Rating	: 3A AC, DC	Crimp Terminal Wire Size	: 22-28 AWG
Contact Resistance	: 10mΩ max.	Insulation O.D	: 1.50mm max.
Insulation Resistance	: 1000MΩ min.		

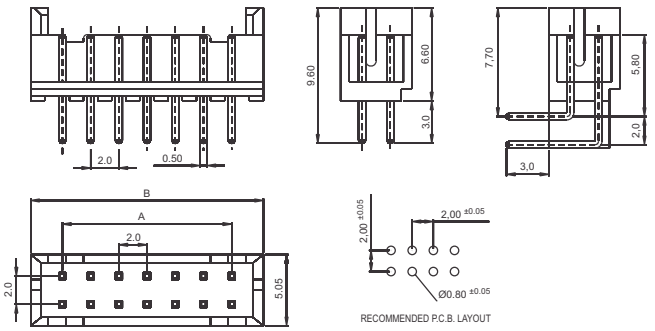
Material & Finish

Crimp Contact	: Copper Alloy, Tin Plated
Square Pin	: Copper Alloy, Tin Plated
Insulator	: Nylon 66, UL 94V-0

WAFER, Disconnectable Double Row (Straight & Right Angle) — P9069S & P9069R

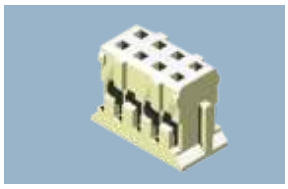
Circuits	Dim. A	Dim. B	Part Number Straight	Part Number Right Angle
4	2.00	6.00	P9069S29-19-04	P9069R29-19-04
6	4.00	8.00	P9069S29-19-06	P9069R29-19-06
8	6.00	10.00	P9069S29-19-08	P9069R29-19-08
10	8.00	12.00	P9069S29-19-10	P9069R29-19-10
12	10.00	14.00	P9069S29-19-12	P9069R29-19-12
14	12.00	16.00	P9069S29-19-14	P9069R29-19-14
16	14.00	18.00	P9069S29-19-16	P9069R29-19-16
18	16.00	20.00	P9069S29-19-18	P9069R29-19-18
20	18.00	22.00	P9069S29-19-20	P9069R29-19-20
22	20.00	24.00	P9069S29-19-22	P9069R29-19-22
24	22.00	26.00	P9069S29-19-24	P9069R29-19-24
26	24.00	28.00	P9069S29-19-26	P9069R29-19-26
28	26.00	30.00	P9069S29-19-28	P9069R29-19-28
30	28.00	32.00	P9069S29-19-30	P9069R29-19-30
32	30.00	34.00	P9069S29-19-32	P9069R29-19-32
34	32.00	36.00	P9069S29-19-34	P9069R29-19-34
36	34.00	38.00	P9069S29-19-36	P9069R29-19-36
38	36.00	40.00	P9069S29-19-38	P9069R29-19-38
40	38.00	42.00	P9069S29-19-40	P9069R29-19-40

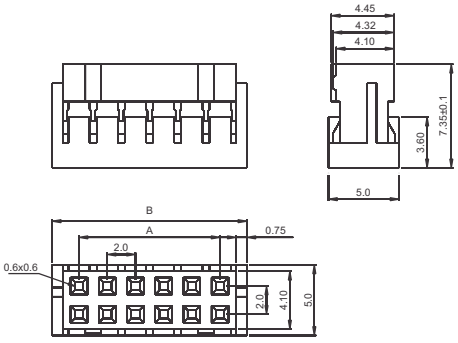




HOUSING, Disconnectable Double Row — P9069H

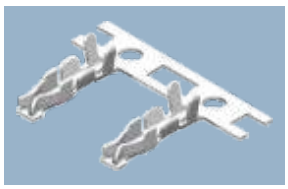
Circuits	Dim. A	Dim. B	Part Number
4	2.00	5.80	P9069H29-00-04
6	4.00	7.80	P9069H29-00-06
8	6.00	9.80	P9069H29-00-08
10	8.00	11.80	P9069H29-00-10
12	10.00	13.80	P9069H29-00-12
14	12.00	15.80	P9069H29-00-14
16	14.00	17.80	P9069H29-00-16
18	16.00	19.80	P9069H29-00-18
20	18.00	21.80	P9069H29-00-20
22	20.00	23.80	P9069H29-00-22
24	22.00	25.80	P9069H29-00-24
26	24.00	27.80	P9069H29-00-26
28	26.00	29.80	P9069H29-00-28
30	28.00	31.80	P9069H29-00-30
32	30.00	33.80	P9069H29-00-32
34	32.00	35.80	P9069H29-00-34
36	34.00	37.80	P9069H29-00-36
38	36.00	39.80	P9069H29-00-38
40	38.00	41.80	P9069H29-00-40

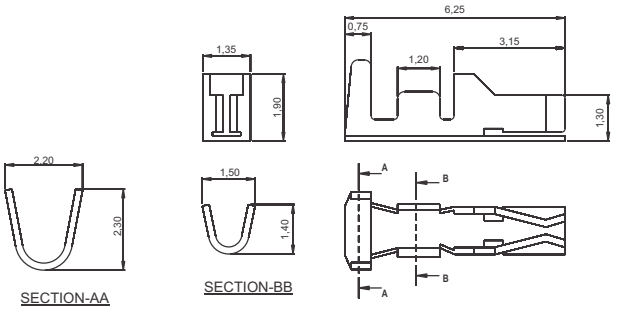




CRIMP TERMINAL — P9069T

Finish	Part Number
Tin Plated	P9069T00-29





PROTECTRON

2.50MM (0.098") PITCH RELIMATE XH CONNECTORS

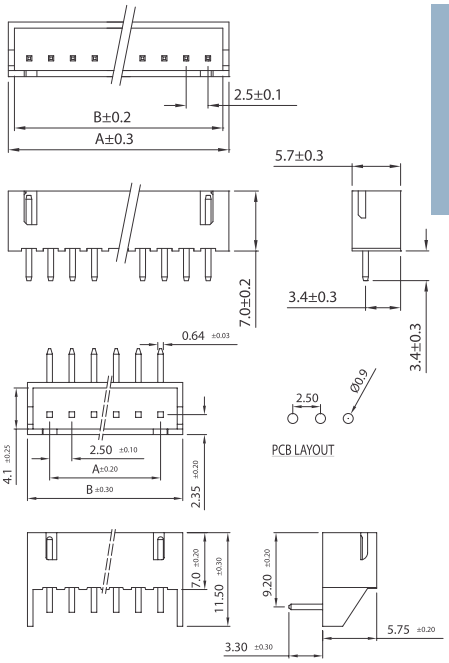
P9052 Series

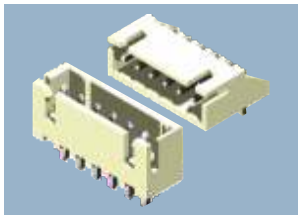
Specifications

No. of Ways	: 2-20	Insulation Resistance	: 1000MΩ min.	Material & Finish	
Voltage Rating	: 250V AC, DC	Dielectric Withstanding	: 1000V AC/minute	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Temperature Range	: -25°C to +85°C	Square Pin	: Brass, Tin Plated
Contact Resistance	: 20mΩ max.	Crimp Terminal Wire Size	: 22-28 AWG	Insulator	: Nylon
		Insulation O.D	: 1.90mm max.		

WAFER With Ramp (Straight & Right Angle) — P9052S & P9052R

No. of Ways	Dimension		Part Number (Straight)	Part Number (Right Angle)
	A	B	Tin Plated	Tin Plated
2	2.5	7.5	P9052S29-19-2	P9052R29-19-2
3	5.0	10.0	P9052S29-19-3	P9052R29-19-3
4	7.5	12.5	P9052S29-19-4	P9052R29-19-4
5	10.0	15.0	P9052S29-19-5	P9052R29-19-5
6	12.5	17.5	P9052S29-19-6	P9052R29-19-6
7	15.0	20.0	P9052S29-19-7	P9052R29-19-7
8	17.5	22.5	P9052S29-19-8	P9052R29-19-8
9	20.0	25.0	P9052S29-19-9	P9052R29-19-9
10	22.5	27.5	P9052S29-19-A	P9052R29-19-A
11	25.0	30.0	P9052S29-19-B	P9052R29-19-B
12	27.5	32.5	P9052S29-19-C	P9052R29-19-C
13	30.0	35.0	P9052S29-19-D	P9052R29-19-D
14	32.5	37.5	P9052S29-19-E	P9052R29-19-E
15	35.0	40.0	P9052S29-19-F	P9052R29-19-F
16	37.5	42.5	P9052S29-19-G	P9052R29-19-G
17	40.0	45.0	P9052S29-19-H	P9052R29-19-H
18	42.5	47.5	P9052S29-19-I	P9052R29-19-I
19	45.0	50.0	P9052S29-19-J	P9052R29-19-J
20	47.5	52.5	P9052S29-19-K	P9052R29-19-K

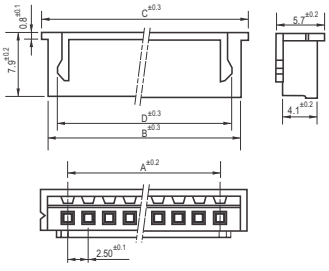




HOUSING With Ramp — P9052H

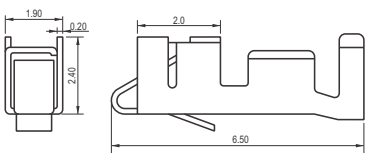
No. of Ways	Dimension				Part Number	No. of Ways	Dimension				Part Number
	A	B	C	D			A	B	C	D	
2	2.5	5.7	7.3	3.5	P9052H29-00-2	12	27.5	30.7	32.3	28.5	P9052H29-00-C
3	5.0	8.2	9.8	6.0	P9052H29-00-3	13	30.0	33.2	34.8	31.0	P9052H29-00-D
4	7.5	10.7	12.3	8.5	P9052H29-00-4	14	32.5	35.7	37.3	33.5	P9052H29-00-E
5	10.0	13.2	14.8	11.0	P9052H29-00-5	15	35.0	38.2	39.8	36.0	P9052H29-00-F
6	12.5	15.7	17.3	13.5	P9052H29-00-6	16	37.5	40.7	42.3	38.5	P9052H29-00-G
7	15.0	18.2	19.8	16.0	P9052H29-00-7	17	40.0	43.2	44.8	41.0	P9052H29-00-H
8	17.5	20.7	22.3	18.5	P9052H29-00-8	18	42.5	45.7	47.3	43.5	P9052H29-00-I
9	20.0	23.2	24.8	21.0	P9052H29-00-9	19	45.0	48.2	49.8	46.0	P9052H29-00-J
10	22.5	25.7	27.3	23.5	P9052H29-00-A	20	47.5	50.7	52.3	48.5	P9052H29-00-K
11	25.0	28.2	29.8	26.0	P9052H29-00-B						

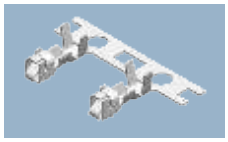




CRIMP TERMINAL — P9052T

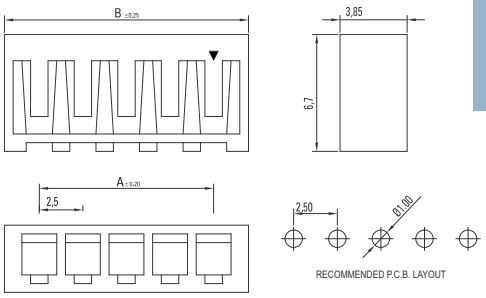
Finish	Part Number
Tin Plated	P9052T00-29

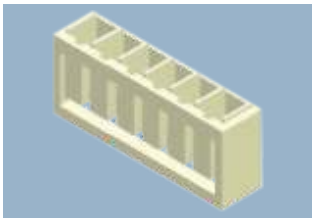




HOUSING For Board in Type Terminal — P9052PH

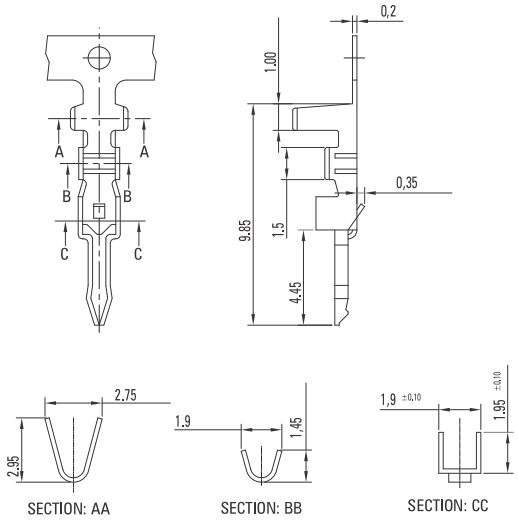
No. Of Ways	Part Number	Dimensions	
		A	B
2	P9052PH29-00-2	2.50	6.50
3	P9052PH29-00-3	5.00	9.00
4	P9052PH29-00-4	7.50	11.50
5	P9052PH29-00-5	10.00	14.00
6	P9052PH29-00-6	12.50	16.50
7	P9052PH29-00-7	15.00	19.00
8	P9052PH29-00-8	17.50	21.50
9	P9052PH29-00-9	20.00	24.00
10	P9052PH29-00-A	22.50	26.50
11	P9052PH29-00-B	25.00	29.00
12	P9052PH29-00-C	27.50	31.50
13	P9052PH29-00-D	30.00	34.00
14	P9052PH29-00-E	32.50	36.50
15	P9052PH29-00-F	35.00	39.00
16	P9052PH29-00-G	37.50	41.50

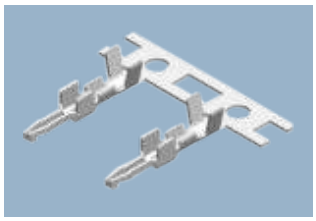




PLUG CRIMP TERMINAL — P9052PT

Finish	Part Number
Tin Plated	P9052PT00-29





2.50 MM (0.098") PITCH CONNECTORS (FRICTION LOCK HEADERS)

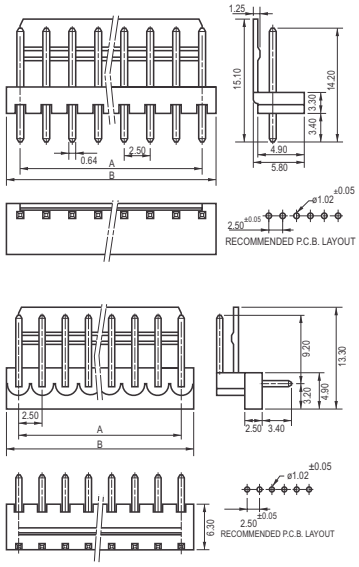
P9055 Series

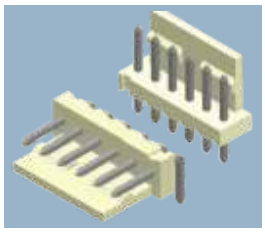
Specifications

No. of Ways	: 2-20	Dielectric Withstanding	: 1000V AC/minute	Material & Finish	
Voltage Rating	: 250V AC, DC	Temperature Range	: -25°C to +85°C	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Crimp Terminal Wire Size	: 22-30 AWG	Square Pin	: Brass, Tin Plated
Contact Resistance	: 20mΩ max.	Insulation O.D	: 1.90mm max.	Insulator	: Nylon
Insulation Resistance	: 1000MΩ min.				

WAFER With Ramp (Straight & Right Angle) — P9055S & P9055R

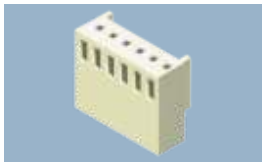
No. of Ways	Dimension		Part Number (Straight)	Part Number (Right Angle)
	A	B	Tin Plated	Tin Plated
2	2.5	5.0	P9055S29-19-2	P9055R29-19-2
3	5.0	7.5	P9055S29-19-3	P9055R29-19-3
4	7.5	10.0	P9055S29-19-4	P9055R29-19-4
5	10.0	12.5	P9055S29-19-5	P9055R29-19-5
6	12.5	15.0	P9055S29-19-6	P9055R29-19-6
7	15.0	17.5	P9055S29-19-7	P9055R29-19-7
8	17.5	20.0	P9055S29-19-8	P9055R29-19-8
9	20.0	22.5	P9055S29-19-9	P9055R29-19-9
10	22.5	25.0	P9055S29-19-A	P9055R29-19-A
11	25.0	27.5	P9055S29-19-B	P9055R29-19-B
12	27.5	30.0	P9055S29-19-C	P9055R29-19-C
13	30.0	32.5	P9055S29-19-D	P9055R29-19-D
14	32.5	35.0	P9055S29-19-E	P9055R29-19-E
15	35.0	37.5	P9055S29-19-F	P9055R29-19-F
16	37.5	40.0	P9055S29-19-G	P9055R29-19-G
17	40.0	42.5	P9055S29-19-H	P9055R29-19-H
18	42.5	45.0	P9055S29-19-I	P9055R29-19-I
19	45.0	47.5	P9055S29-19-J	P9055R29-19-J
20	47.5	50.0	P9055S29-19-K	P9055R29-19-K

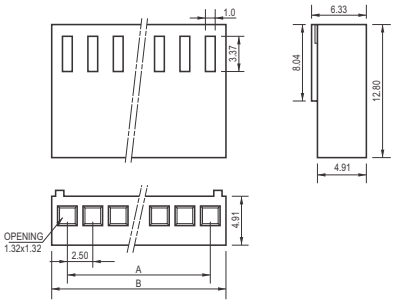




HOUSING With Ramp — P9055H

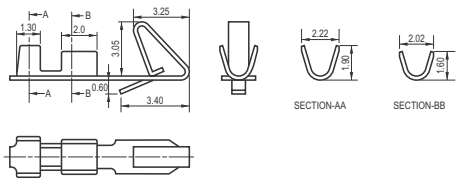
No. of Ways	Dimension		Part Number	No. of Ways	Dimension		Part Number
	A	B			A	B	
2	2.5	5.0	P9055H29-00-2	12	27.5	30.0	P9055H29-00-C
3	5.0	7.5	P9055H29-00-3	13	30.0	32.5	P9055H29-00-D
4	7.5	10.0	P9055H29-00-4	14	32.5	35.0	P9055H29-00-E
5	10.0	12.5	P9055H29-00-5	15	35.0	37.5	P9055H29-00-F
6	12.5	15.0	P9055H29-00-6	16	37.5	40.0	P9055H29-00-G
7	15.0	17.5	P9055H29-00-7	17	40.0	42.5	P9055H29-00-H
8	17.5	20.0	P9055H29-00-8	18	42.5	45.0	P9055H29-00-I
9	20.0	22.5	P9055H29-00-9	19	45.0	47.5	P9055H29-00-J
10	22.5	25.0	P9055H29-00-A	20	47.5	50.0	P9055H29-00-K
11	25.0	27.5	P9055H29-00-B				

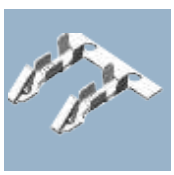




CRIMP TERMINAL — P9050T

Finish	Part Number
Tin Plated	P9050T00-19





2.50MM (0.098") PITCH SHROUDED CONNECTORS

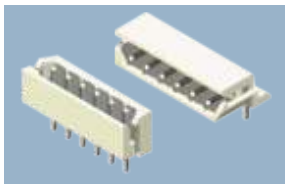
P9060 Series

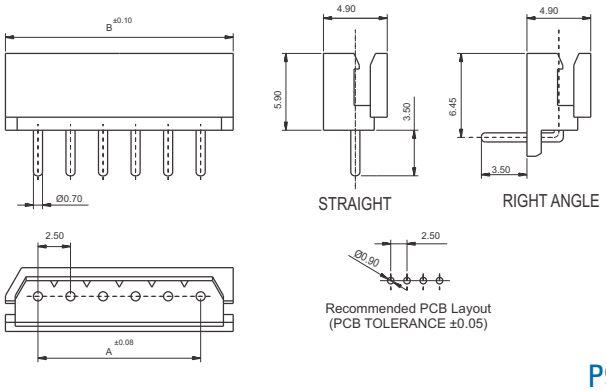
Specifications

No. of Ways	: 2-16	Dielectric Withstanding	: 1000V AC/minute	Material & Finish	
Voltage Rating	: 250V AC, DC	Temperature Range	: -25°C to +85°C	Crimp Contact	: Copper Alloy, Tin Plated
Current Rating	: 3A AC, DC	Crimp Terminal Wire Size	: 22-28 AWG	Round Pin	: Copper Alloy, Tin Plated
Contact Resistance	: 20mΩ max.	Insulation O.D	: 1.90mm max.	Insulator	: Nylon 66, UL 94V-0
Insulation Resistance	: 1000MΩ min.				

Wafer Shrouded, Round Type Pins (Straight & Right Angle) — P9060S & P9060R

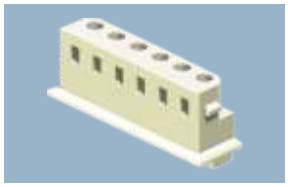
Circuits	Dim. A	Dim. B	Part Number Straight	Part Number Right Angle
2	2.50	7.50	P9060S29-19-2	P9060R29-19-2
3	5.00	10.00	P9060S29-19-3	P9060R29-19-3
4	7.50	12.50	P9060S29-19-4	P9060R29-19-4
5	10.00	15.00	P9060S29-19-5	P9060R29-19-5
6	12.50	17.50	P9060S29-19-6	P9060R29-19-6
7	15.00	20.00	P9060S29-19-7	P9060R29-19-7
8	17.50	22.50	P9060S29-19-8	P9060R29-19-8
9	20.00	25.00	P9060S29-19-9	P9060R29-19-9
A=10	22.50	27.50	P9060S29-19-A	P9060R29-19-A
B=11	25.00	30.00	P9060S29-19-B	P9060R29-19-B
C=12	27.50	32.50	P9060S29-19-C	P9060R29-19-C
D=13	30.00	35.00	P9060S29-19-D	P9060R29-19-D
E=14	32.50	37.50	P9060S29-19-E	P9060R29-19-E
F=15	35.00	40.00	P9060S29-19-F	P9060R29-19-F
G=16	37.50	42.50	P9069S29-19-G	P9069R29-19-G

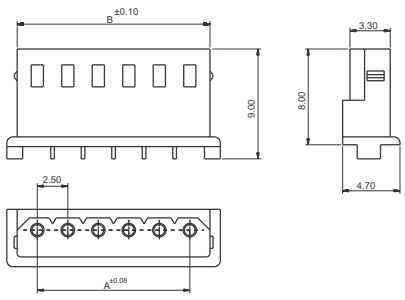




Housing — P9060H

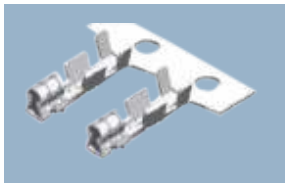
Circuits	Dim. A	Dim. B	Part Number
2	2.50	5.80	P9060H29-00-2
3	5.00	8.30	P9060H29-00-3
4	7.50	10.80	P9060H29-00-4
5	10.00	13.30	P9060H29-00-5
6	12.50	15.80	P9060H29-00-6
7	15.00	18.30	P9060H29-00-7
8	17.50	20.80	P9060H29-00-8
9	20.00	23.30	P9060H29-00-9
A=10	22.50	25.80	P9060H29-00-A
B=11	25.00	28.30	P9060H29-00-B
C=12	27.50	30.80	P9060H29-00-C
D=13	30.00	33.30	P9060H29-00-D
E=14	32.50	35.80	P9060H29-00-E
F=15	35.00	38.30	P9060H29-00-F
G=16	37.50	40.80	P9060H29-00-G

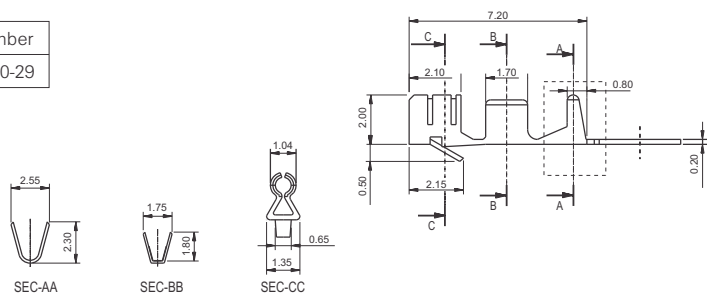




Crimp Terminal — P9060T

Finish	Part Number
Tin Plated	P9060T00-29





PROTECTRON

2.50MM (0.098") PITCH, DISCONNECTABLE EH CONNECTORS

Specifications :

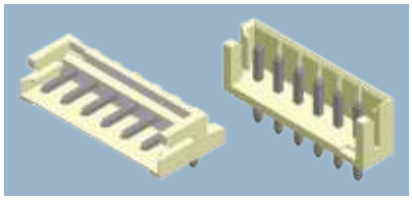
No. of Ways	: 2-15
Voltage Rating	: 250V AC,DC
Current Rating	: 3A AC,DC
Contact Resistance	: 10mΩ max.
Insulation Resistance	: 1000MΩ min.
Temperature Range	: -25°C to +85°C
Dielectric Withstanding	: 800V AC/ minute
Crimp Terminal Wire Size	: 22-30 AWG
Insulation O.D	: 1.90mm max.

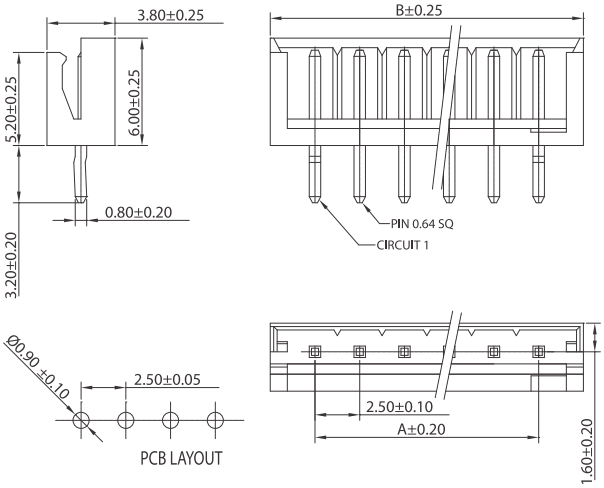
Material & finish :

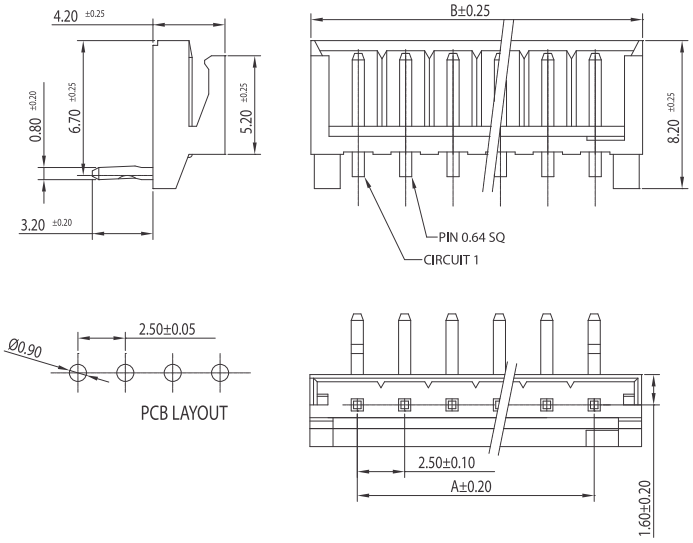
Crimp Contact	: Copper Alloy Tin Plated
Square Pin	: Brass, Tin Plated
Insulator	: Nylon 66, UL94V-0

WAFER Disconnectable (Straight & Right Angle) P9064S & P9064R

Ways No	Dimensions A	Dimensions B	Part Number Straight	Part Number Right Angle
2	2.50	7.50	P9064S29-19-2	P9064R29-19-2
3	5.00	10.00	P9064S29-19-3	P9064R29-19-3
4	7.50	12.50	P9064S29-19-4	P9064R29-19-4
5	10.00	15.00	P9064S29-19-5	P9064R29-19-5
6	12.50	17.50	P9064S29-19-6	P9064R29-19-6
7	15.00	20.00	P9064S29-19-7	P9064R29-19-7
8	17.50	22.50	P9064S29-19-8	P9064R29-19-8
9	20.00	25.00	P9064S29-19-9	P9064R29-19-9
A=10	22.50	27.50	P9064S29-19-A	P9064R29-19-A
B=11	25.00	30.00	P9064S29-19-B	P9064R29-19-B
C=12	27.50	32.50	P9064S29-19-C	P9064R29-19-C
D=13	30.00	35.00	P9064S29-19-D	P9064R29-19-D
E=14	32.50	37.50	P9064S29-19-E	P9064R29-19-E
F=15	35.00	40.00	P9064S29-19-F	P9064R29-19-F



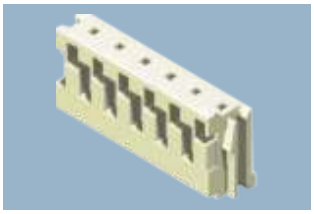


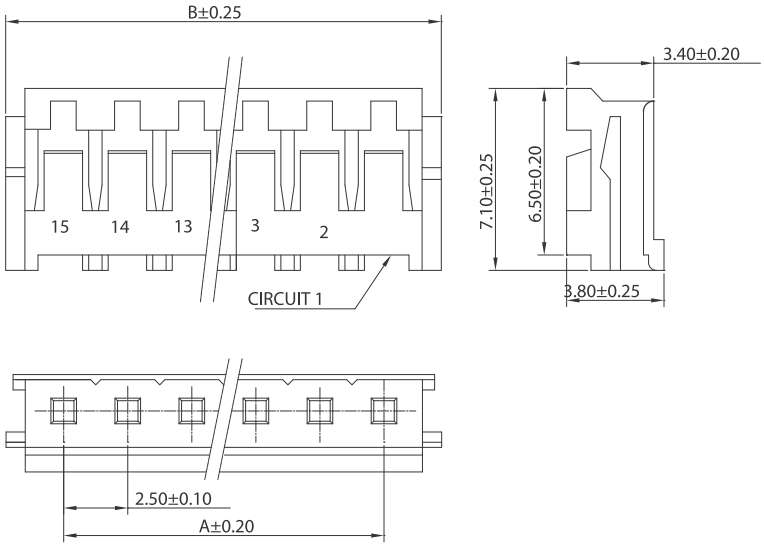


HOUSING, Disconnectable

P9064H

No Of Ways	Dimensions A	Dimensions B	Part Number
2	2.50	5.00	P9064H29-00-2
3	5.00	7.50	P9064H29-00-3
4	7.50	10.00	P9064H29-00-4
5	10.00	12.50	P9064H29-00-5
6	12.50	15.00	P9064H29-00-6
7	15.00	17.50	P9064H29-00-7
8	17.50	20.00	P9064H29-00-8
9	20.00	22.50	P9064H29-00-9
A=10	22.50	25.00	P9064H29-00-A
B=11	25.00	27.50	P9064H29-00-B
C=12	27.50	30.00	P9064H29-00-C
D=13	30.00	32.50	P9064H29-00-D
E=14	32.50	35.00	P9064H29-00-E
F=15	35.00	37.50	P9064H29-00-F

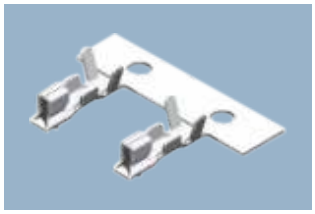


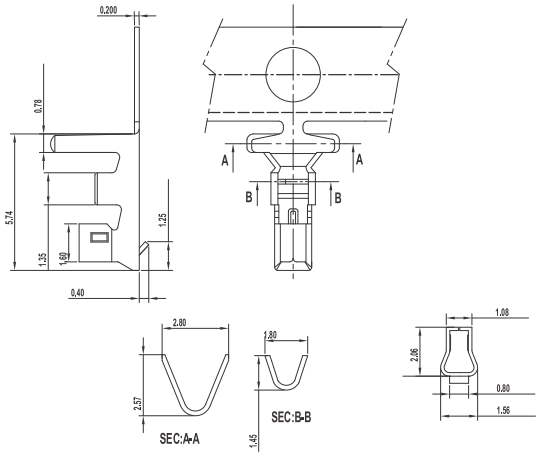


CRIMP TERMINAL

P9064T

Finish	Part Number
Tin plated	P9064T00-29





2.54 MM (0.100") PITCH CONNECTORS (FRICTION LOCK HEADERS)

P9050 Series

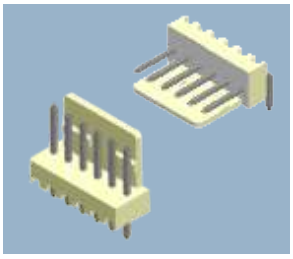
Specifications

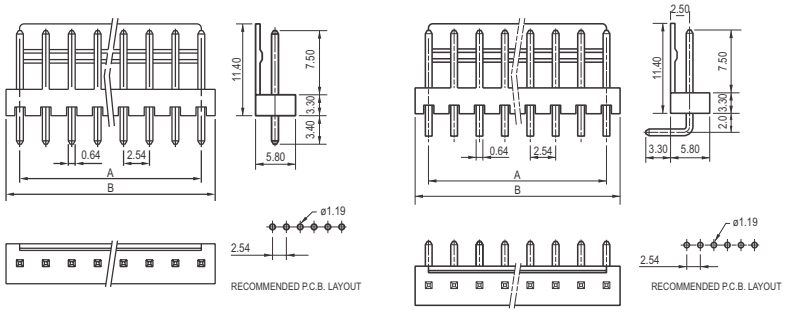
No. of Ways	:	2-20
Voltage Rating	:	250V AC, DC
Current Rating	:	3A AC, DC
Contact Resistance	:	20mΩ max.
Dielectric Withstanding	:	1000V AC/minute
Insulation Resistance	:	1000MΩ min.
Temperature Range	:	-25°C to +85°C
Crimp Terminal Wire Size	:	22-28 AWG
Insulation O.D	:	1.50mm max.

Material & Finish

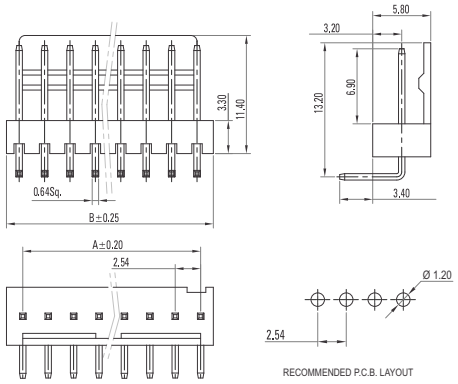
Crimp Contact	:	Copper Alloy, Tin Plated
Square Pin	:	Brass, Tin Plated
Insulator	:	Nylon, UL94V-2

WAFER With Ramp (Straight, Right Angle & Opposite Right Angle) — P9050S, P9050R & P9050RO





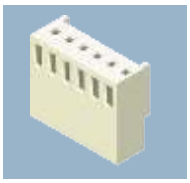
No. of Ways	Dimension		Part Number		
			(Straight)	(Right Angle)	(Opp. Right Angle)
	A	B	Tin Plated	Tin Plated	Tin Plated
2	2.54	5.08	P9050S29-19-2	P9050R29-19-2	P9050RO29-19-2
3	5.08	7.62	P9050S29-19-3	P9050R29-19-3	P9050RO29-19-3
4	7.62	10.16	P9050S29-19-4	P9050R29-19-4	P9050RO29-19-4
5	10.16	12.70	P9050S29-19-5	P9050R29-19-5	P9050RO29-19-5
6	12.70	15.24	P9050S29-19-6	P9050R29-19-6	P9050RO29-19-6
7	15.24	17.78	P9050S29-19-7	P9050R29-19-7	P9050RO29-19-7
8	17.78	20.32	P9050S29-19-8	P9050R29-19-8	P9050RO29-19-8
9	20.32	23.52	P9050S29-19-9	P9050R29-19-9	P9050RO29-19-9
10	22.86	26.06	P9050S29-19-A	P9050R29-19-A	P9050RO29-19-A
11	25.40	28.60	P9050S29-19-B	P9050R29-19-B	P9050RO29-19-B
12	27.94	31.14	P9050S29-19-C	P9050R29-19-C	P9050RO29-19-C
13	30.48	33.68	P9050S29-19-D	P9050R29-19-D	P9050RO29-19-D
14	33.02	36.22	P9050S29-19-E	P90520R9-19-E	P9050RO29-19-E
15	35.56	38.76	P9050S29-19-F	P9050R29-19-F	P9050RO29-19-F
16	38.10	41.30	P9050S29-19-G	P9050R29-19-G	P9050RO29-19-G
17	40.64	43.84	P9050S29-19-H	P9050R29-19-H	P9050RO29-19-H
18	43.18	46.38	P9050S29-19-I	P9050R29-19-I	P9050RO29-19-I
19	45.72	48.92	P9050S29-19-J	P9050R29-19-J	P9050RO29-19-J
20	48.26	51.46	P9050S29-19-K	P9050R29-19-K	P9050RO29-19-K

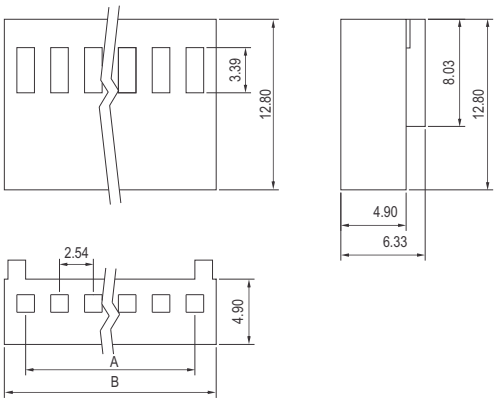


HOUSING With Ramp

P9050H

No. of Ways	Dimensions A	Dimensions B	Part Number
2	2.54	5.74	P9050H29-00-2
3	5.08	8.28	P9050H29-00-3
4	7.62	10.82	P9050H29-00-4
5	10.16	13.36	P9050H29-00-5
6	12.70	15.90	P9050H29-00-6
7	15.24	18.44	P9050H29-00-7
8	17.78	20.98	P9050H29-00-8
9	20.32	23.52	P9050H29-00-9
A=10	22.86	26.06	P9050H29-00-A
B=11	25.40	28.60	P9050H29-00-B
C=12	27.94	31.14	P9050H29-00-C
D=13	30.48	33.68	P9050H29-00-D
E=14	33.02	36.22	P9050H29-00-E
F=15	35.56	38.76	P9050H29-00-F
G=16	38.10	41.30	P9050H29-00-G
H=17	40.64	43.84	P9050H29-00-H
I=18	43.18	46.38	P9050H29-00-I
J=19	45.72	48.92	P9050H29-00-J
K=20	48.26	51.46	P9050H29-00-K



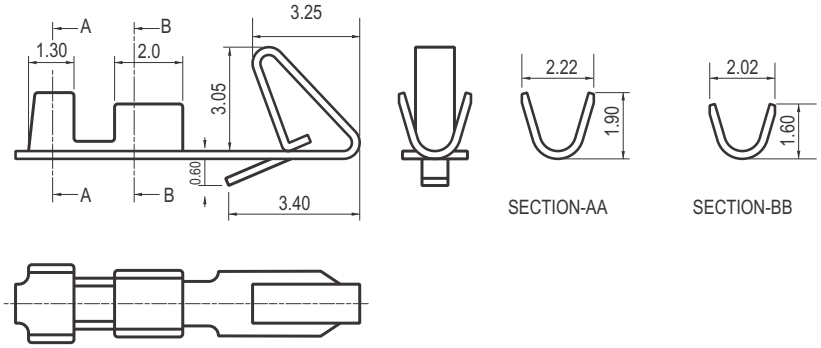


CRIMP TERMINAL

P9050T

Finish	Part Number
Tin Plated	P9050T00-19





2.54 MM (0.100") PITCH CENTRE P.C. BOARD CONNECTORS

P9075 Series

Specifications

No. of Ways	:	2-25 way
Voltage Rating	:	250V AC, DC
Current Rating	:	3A AC, DC
Contact Resistance	:	10mΩ max.
Dielectric Withstanding	:	1500V AC/minute
Insulation Resistance	:	5000MΩ min.
Temperature Range	:	-25°C to +85°C

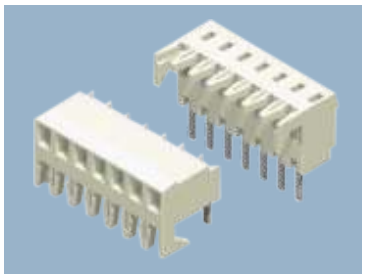
Material & Finish

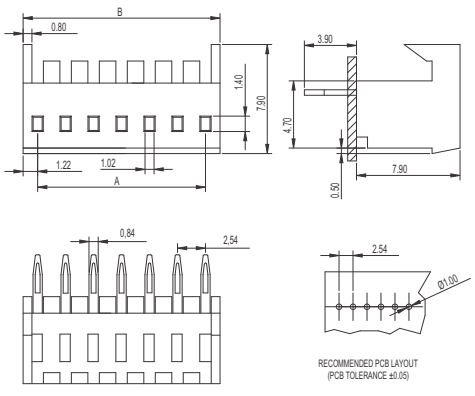
Insulator	:	Nylon 66, UL94V-2
Contacts	:	Brass, Tin Plated

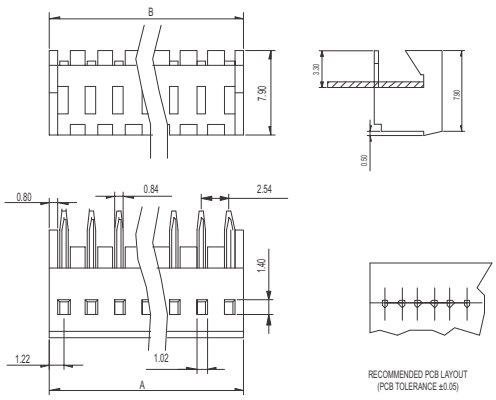
WAFER CENTRE P.C. BOARD (Straight & Right Angle)

P9075S & P9075R

No. of Ways	Dimensions		Part Number	
	A	B	Straight	Right Angle
	A±0.20	B±0.20		
2	2.54	5.08	P9075S29-19-2	P9075R29-19-2
3	5.08	7.62	P9075S29-19-3	P9075R29-19-3
4	7.62	10.16	P9075S29-19-4	P9075R29-19-4
5	10.16	12.70	P9075S29-19-5	P9075R29-19-5
6	12.70	15.24	P9075S29-19-6	P9075R29-19-6
7	15.24	17.78	P9075S29-19-7	P9075R29-19-7
8	17.78	20.32	P9075S29-19-8	P9075R29-19-8
9	20.32	22.86	P9075S29-19-9	P9075R29-19-9
A=10	22.86	25.40	P9075S29-19-A	P9075R29-19-A
B=11	25.40	27.94	P9075S29-19-B	P9075R29-19-B
C=12	27.94	30.48	P9075S29-19-C	P9075R29-19-C
D=13	30.48	33.02	P9075S29-19-D	P9075R29-19-D
E=14	33.02	35.56	P9075S29-19-E	P9075R29-19-E
F=15	35.56	38.10	P9075S29-19-F	P9075R29-19-F
G=16	38.10	40.64	P9075S29-19-G	P9075R29-19-G
H=17	40.64	43.18	P9075S29-19-H	P9075R29-19-H
I=18	43.18	45.72	P9075S29-19-I	P9075R29-19-I
J=19	45.72	48.26	P9075S29-19-J	P9075R29-19-J
K=20	48.26	50.80	P9075S29-19-K	P9075R29-19-K
L=21	50.80	53.34	P9075S29-19-L	P9075R29-19-L
M=22	53.34	55.88	P9075S29-19-M	P9075R29-19-M
N=23	55.88	58.42	P9075S29-19-N	P9075R29-19-N
O=24	58.42	60.96	P9075S29-19-O	P9075R29-19-O
P=25	60.96	63.50	P9075S29-19-P	P9075R29-19-P







2.54MM (0.100") PITCH MINI LATCH CONNECTORS

P910 Series

Specifications

No. of Ways	:	2-25
Voltage Rating	:	250V AC, DC
Current Rating	:	3A AC, DC
Contact Resistance	:	10mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	1500V AC/minute
Temperature Range	:	-25°C to +85°C
Crimp Terminal Wire Size	:	22-28 AWG
Insulation O.D	:	1.50mm max.

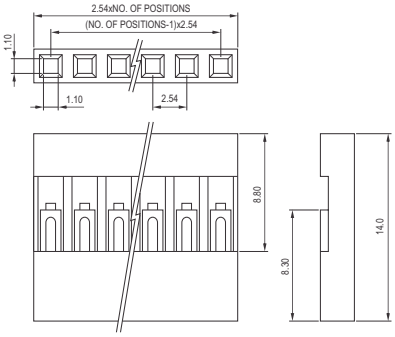
Material & Finish

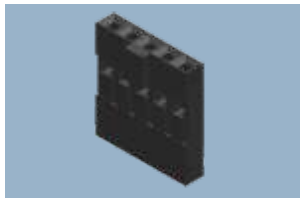
Crimp Contact	:	Copper Alloy, Tin Plated
Square Pin	:	Copper Alloy, Tin/Gold Plated
Insulator	:	Polyester/Nylon, UL 94V-0

2.54mm (0.100") Pitch Pin Header Single Row — P9101 & P9102

P9101 & P9102 Ref to Page **48**

HOUSING Single Row — P9101H





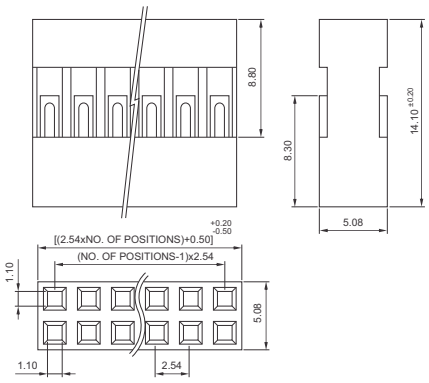
P9101H50-00XX

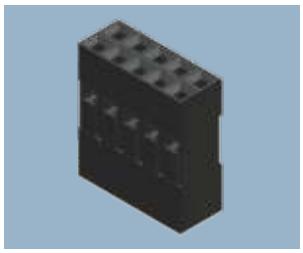
No. of Contacts: 01-40

2.54mm (0.100") Pitch Pin Header Double Row — P9103 & P9104

P9103 & P9104 Ref to Page **48**

HOUSING Double Row — P9103H



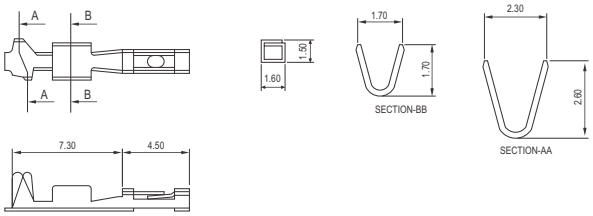


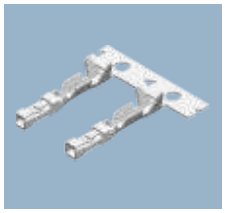
P9103H50-00XX

No. of Contacts:02-80

CRIMP TERMINAL — P910XT

Finish	Part Number
Tin Plated	P910XT00-19





2.54MM (0.100") PITCH CONNECTORS FRICTION LOCK, SOLID TYPE

P9067 Series

Specifications

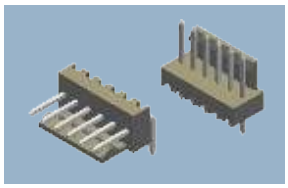
No. of Ways	: 2-20	Dielectric Withstanding	: 1000V AC/minute
Voltage Rating	: 250V AC, DC	Temperature Range	: -25°C to +85°C
Current Rating	: 3A AC, DC	Crimp Terminal Wire Size	: 24-30 AWG
Contact Resistance	: 10mΩ max.	Insulation O.D	: 1.57mm max.
Insulation Resistance	: 1000MΩ min.		

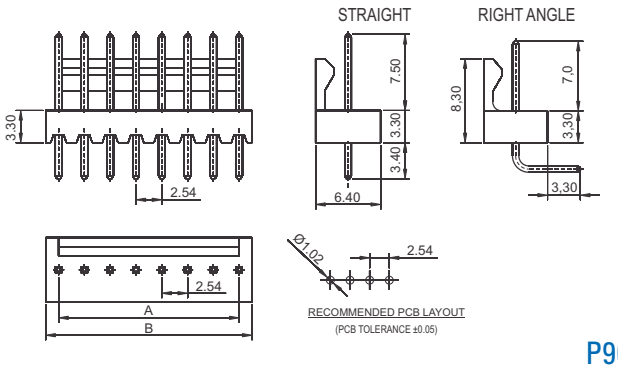
Material & Finish

Crimp Contact	: Copper Alloy, Tin Plated
Square Pin	: Copper Alloy, Tin Plated
Insulator	: Nylon 66, UL 94V-2, Red Color

SOLID HEADER, (Straight & Right Angle) — P9067S & P9067R

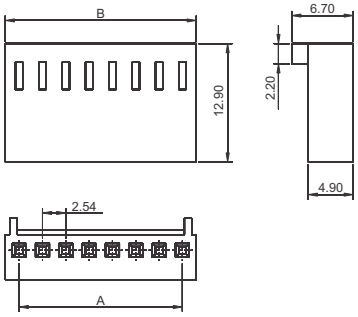
Circuits	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	2.54	5.08	P9067S22-19-2	P9067R22-19-2
3	5.08	7.62	P9067S22-19-3	P9067R22-19-3
4	7.62	10.16	P9067S22-19-4	P9067R22-19-4
5	10.16	12.70	P9067S22-19-5	P9067R22-19-5
6	12.70	15.24	P9067S22-19-6	P9067R22-19-6
7	15.24	17.78	P9067S22-19-7	P9067R22-19-7
8	17.78	20.32	P9067S22-19-8	P9067R22-19-8
9	20.32	22.86	P9067S22-19-9	P9067R22-19-9
A=10	22.86	25.40	P9067S22-19-A	P9067R22-19-A
B=11	25.40	27.94	P9067S22-19-B	P9067R22-19-B
C=12	27.94	30.48	P9067S22-19-C	P9067R22-19-C
D=13	30.48	33.02	P9067S22-19-D	P9067R22-19-D
E=14	33.02	35.56	P9067S22-19-E	P9067R22-19-E
F=15	35.56	38.10	P9067S22-19-F	P9067R22-19-F
G=16	38.10	40.64	P9067S22-19-G	P9067R22-19-G
H=17	40.64	43.18	P9067S22-19-H	P9067R22-19-H
I=18	43.18	45.72	P9067S22-19-I	P9067R22-19-I
J=19	45.72	48.26	P9067S22-19-J	P9067R22-19-J
K=20	48.26	50.80	P9067S22-19-K	P9067R22-19-K

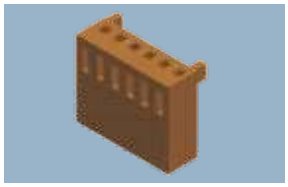




HOUSING — P9067H

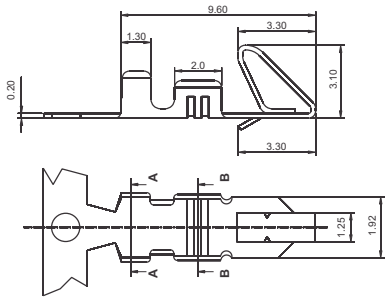
Circuits	Dimensions		Part Number
	A	B	
2	2.54	5.56	P9067H22-00-2
3	5.08	8.10	P9067H22-00-3
4	7.62	10.64	P9067H22-00-4
5	10.16	13.18	P9067H22-00-5
6	12.70	15.72	P9067H22-00-6
7	15.24	18.26	P9067H22-00-7
8	17.78	20.80	P9067H22-00-8
9	20.32	23.34	P9067H22-00-9
A=10	22.86	25.88	P9067H22-00-A
B=11	25.40	28.42	P9067H22-00-B
C=12	27.94	30.96	P9067H22-00-C
D=13	30.48	33.50	P9067H22-00-D
E=14	33.02	36.04	P9067H22-00-E
F=15	35.56	38.58	P9067H22-00-F
G=16	38.10	41.12	P9067H22-00-G
H=17	40.64	43.66	P9067H22-00-H
I=18	43.18	46.20	P9067H22-00-I
J=19	45.72	48.74	P9067H22-00-J
K=20	48.26	51.28	P9067H22-00-K

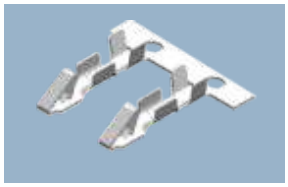




CRIMP TERMINAL — P9067T

Finish	Part Number
Tin Plated	P9067T00-29





2.54MM (0.100") PITCH MINI LATCH SHROUDED CONNECTORS

P9072 Series

Specifications

No. of Ways	:	2-12
Voltage Rating	:	250V AC, DC
Current Rating	:	3A AC, DC
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	1500V AC/minute
Temperature Range	:	-25°C to +85°C
Crimp Terminal Wire Size	:	24-28 AWG
Insulation O.D	:	1.60mm max.

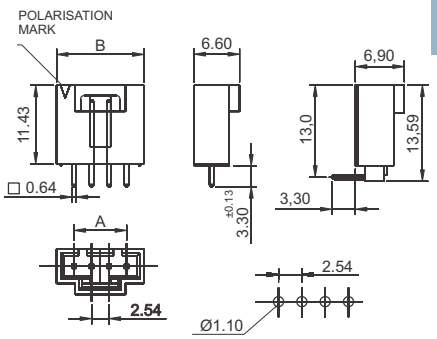
Material & Finish

Crimp Contact	:	Copper Alloy, Tin Plated
Square Pin	:	Copper Alloy, Gold Plated
Insulator	:	PBT 30% GF, UL 94V-0, Black

WAFER, Mini Latch Shrouded Single Row (Straight & Right Angle) — P9072S & P9072R

Circuits	Dimensions		Part Number	
	A	B	Straight	Right Angle
2	2.54	7.62	P9072S20-12-2	P9072R20-12-2
3	5.08	10.16	P9072S20-12-3	P9072R20-12-3
4	7.62	12.70	P9072S20-12-4	P9072R20-12-4
5	10.16	15.24	P9072S20-12-5	P9072R20-12-5
6	12.70	17.78	P9072S20-12-6	P9072R20-12-6
7	15.24	20.32	P9072S20-12-7	P9072R20-12-7
8	17.78	22.86	P9072S20-12-8	P9072R20-12-8
9	20.32	25.40	P9072S20-12-9	P9072R20-12-9
10	22.86	27.94	P9072S20-12-A	P9072R20-12-A
11	25.40	30.48	P9072S20-12-B	P9072R20-12-B
12	27.94	33.02	P9072S20-12-C	P9072R20-12-C

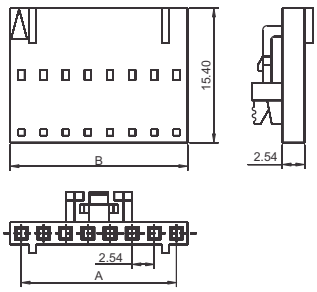


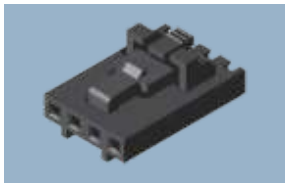


Recommended PCB Layout
(PCB tolerance ±0.05)

HOUSING, Mini Latch Single Row — P9072H

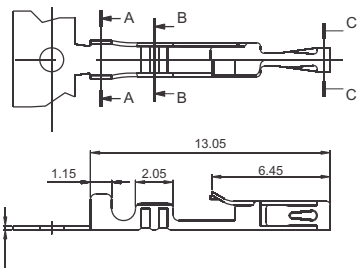
Circuits	Dimensions		Part Number
	A	B	
2	2.54	5.20	P9072H20-00-2
3	5.08	7.80	P9072H20-00-3
4	7.62	10.30	P9072H20-00-4
5	10.16	12.90	P9072H20-00-5
6	12.70	15.40	P9072H20-00-6
7	15.24	18.00	P9072H20-00-7
8	17.78	20.50	P9072H20-00-8
9	20.32	23.10	P9072H20-00-9
10	22.86	25.60	P9072H20-00-A
11	25.40	28.10	P9072H20-00-B
12	27.94	30.70	P9072H20-00-C





CRIMP TERMINAL — P9072T

Finish	Part Number
Tin Plated	P9072T00-29







SECTION: A - A



SECTION: B - B



SECTION: C - C

3.00MM (0.118") PITCH MICRO FIT CONNECTORS

P9066 Series

Specifications

No. of Ways	: 2-24
Voltage Rating	: 250V AC, DC
Current Rating	: 5A AC, DC
Contact Resistance	: 10mΩ max.
Insulation Resistance	: 1000MΩ min.
Dielectric Withstanding	: 1500V AC/minute
Temperature Range	: -25°C to +85°C
Crimp Terminal Wire Size	: 20-24 AWG
Insulation O.D	: 1.85mm max.

Material & Finish

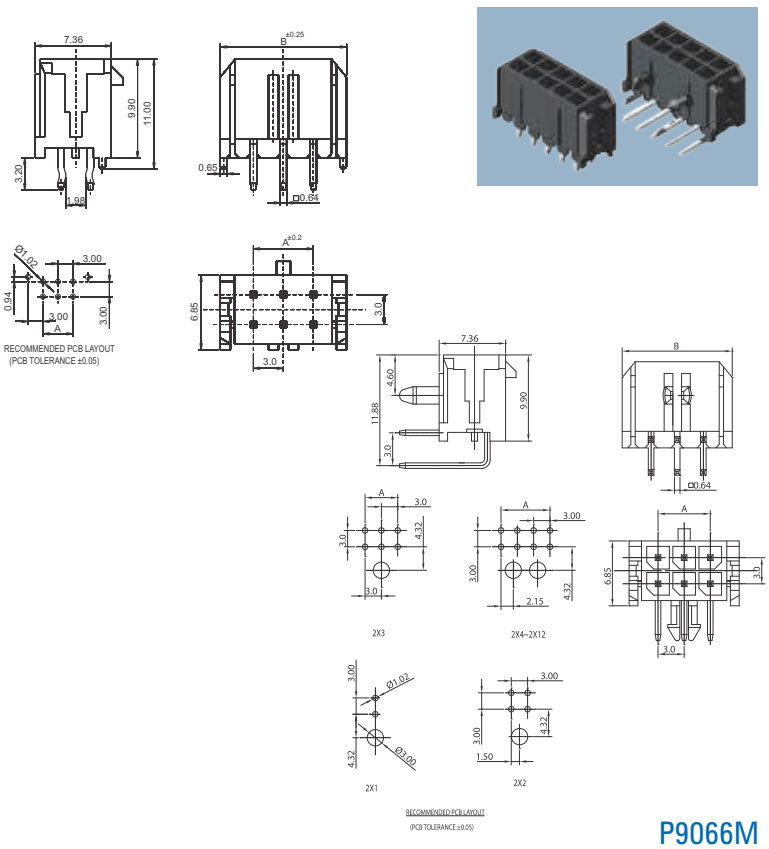
Crimp Contact	: Copper Alloy, Tin Plated
Square Pin	: Copper Alloy, Tin Plated
Insulator	: PBT 30% GF, UL94V-0

HEADER, Double Row With Pegs (Straight & Right Angle)

P9066S & P9066R

Circuits	Dimensions		Part Number
	A	B	
2	--	6.65	P9066S20-19-2
4	3.00	9.65	P9066S20-19-4
6	6.00	12.65	P9066S20-19-6
8	9.00	15.65	P9066S20-19-8
10	12.00	18.65	P9066S20-19-A
12	15.00	21.65	P9066S20-19-C
14	18.00	24.65	P9066S20-19-E
16	21.00	27.65	P9066S20-19-G
18	24.00	30.65	P9066S20-19-I
20	27.00	33.65	P9066S20-19-K
22	30.00	36.65	P9066S20-19-M
24	33.00	39.65	P9066S20-19-O

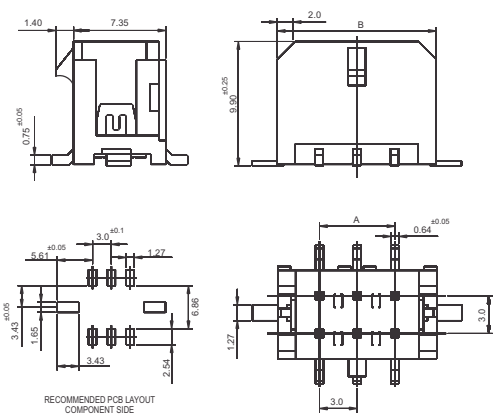
Circuits	Dimensions		Part Number
	A	B	
2	--	6.65	P9066R20-19-2
4	3.00	9.65	P9066R20-19-4
6	6.00	12.65	P9066R20-19-6
8	9.00	15.65	P9066R20-19-8
10	12.00	18.65	P9066R20-19-A
12	15.00	21.65	P9066R20-19-C
14	18.00	24.65	P9066R20-19-E
16	21.00	27.65	P9066R20-19-G
18	24.00	30.65	P9066R20-19-I
20	27.00	33.65	P9066R20-19-K
22	30.00	36.65	P9066R20-19-M
24	33.00	39.65	P9066R20-19-O

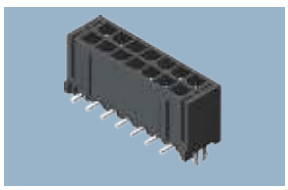


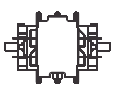
HEADER, Surface Mount Double Row

P9066M

Circuits	Dimensions		Part Number
	A	B	
2	--	6.65	P9066M20-19-2R
4	3.00	9.65	P9066M20-19-4R
6	6.00	12.65	P9066M20-19-6R
8	9.00	15.65	P9066M20-19-8R
10	12.00	18.65	P9066M20-19-AR
12	15.00	21.65	P9066M20-19-CR
14	18.00	24.65	P9066M20-19-ER
16	21.00	27.65	P9066M20-19-GR
18	24.00	30.65	P9066M20-19-IR
20	27.00	33.65	P9066M20-19-KR
22	30.00	36.65	P9066M20-19-MR
24	33.00	39.65	P9066M20-19-OR



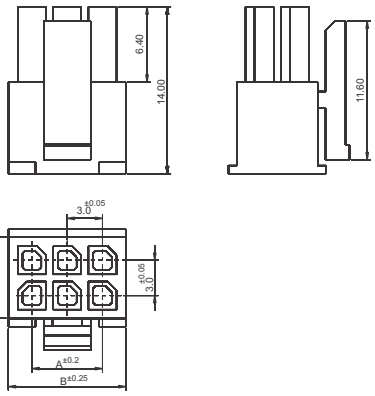


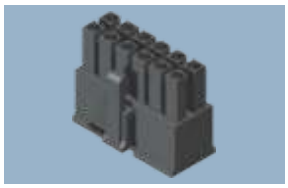


HOUSING, Double Row

P9066H

Circuits	Dimensions		Part Number
	A	B	
2	–	3.85	P9066H20-00-2
4	3.00	6.85	P9066H20-00-4
6	6.00	9.85	P9066H20-00-6
8	9.00	12.85	P9066H20-00-8
10	12.00	15.85	P9066H20-00-A
12	15.00	18.85	P9066H20-00-C
14	18.00	21.85	P9066H20-00-E
16	21.00	24.85	P9066H20-00-G
18	24.00	27.85	P9066H20-00-I
20	27.00	30.85	P9066H20-00-K
22	30.00	33.85	P9066H20-00-M
24	33.00	36.85	P9066H20-00-O

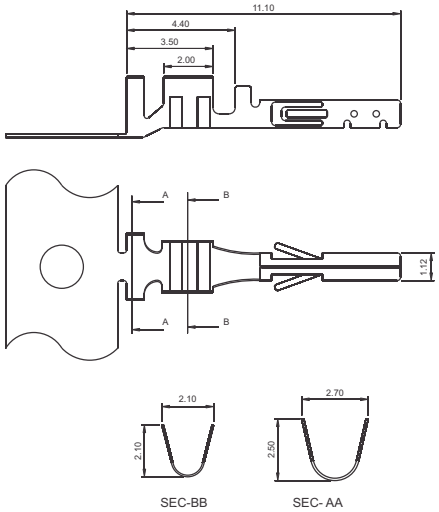


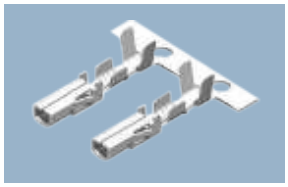


CRIMP TERMINAL

P9066T

Finish	Part Number
Tin Plated	P9066T00-29

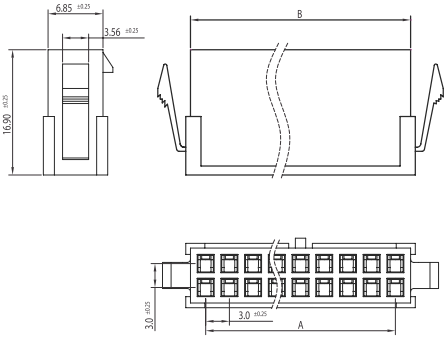


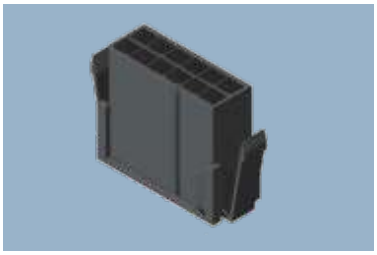


PLUG HOUSING Double Row

P9066PH

DIM. A	DIM.B	PART NUMBER
---	3.85	P9066PH20-00-2
3.00	6.85	P9066PH20-00-4
6.00	9.85	P9066PH20-00-6
9.00	12.85	P9066PH20-00-8
12.00	15.85	P9066PH20-00-A
15.00	18.85	P9066PH20-00-C
18.00	21.85	P9066PH20-00-E
21.00	24.85	P9066PH20-00-G
24.00	27.85	P9066PH20-00-I
27.00	30.85	P9066PH20-00-K
30.00	33.85	P9066PH20-00-M
33.00	36.85	P9066PH20-00-O

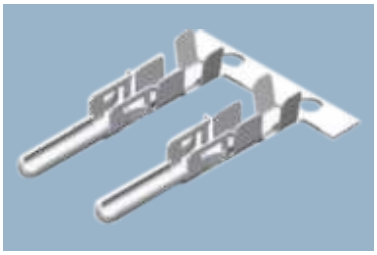


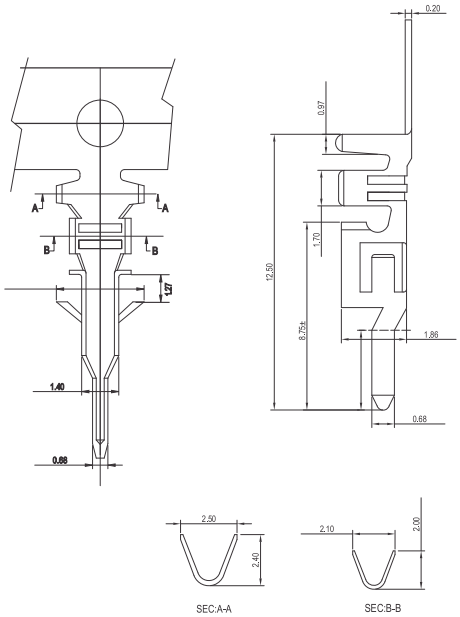


PLUG CRIMP TERMINAL

P9066PT

Finish	Part Number
Tin Plated	P9066PT00-29





3.96MM (0.156") PITCH CONNECTORS

P903 Series

Specifications

No. of Ways	:	2-18
Voltage Rating	:	250V AC, DC
Current Rating	:	7A AC, DC
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	1500V AC/minute
Temperature Range	:	-25°C to +85°C
Applicable PC board Thickness	:	1.6mm
Crimp Terminal Wire Size	:	18-24 AWG
Insulation O.D	:	2.80mm max.

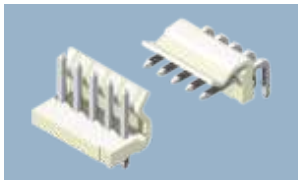
Material & Finish

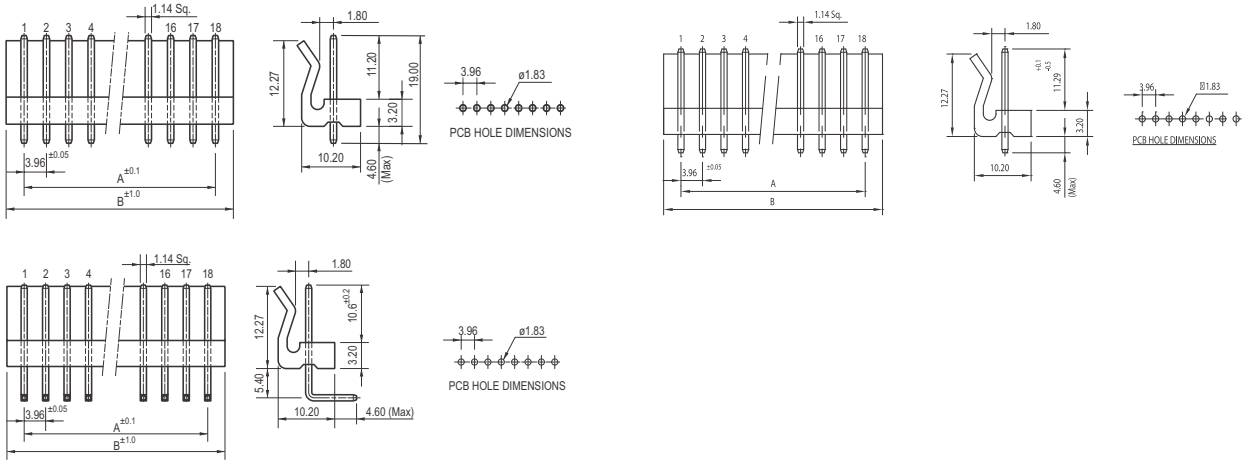
Crimp Contact	:	Copper Alloy, Tin/Gold Plated
Square Pin	:	Brass, Tin/Gold Plated
Insulator	:	Nylon

WAFER With Ramp (Straight & Right Angle)

P9031

No. of Ways	Dimension A±0.1	Dimension B±1.0	Part Number (Straight) Tin Plated (L=17.50mm)	Part Number (Straight) Tin Plated (L=19.00mm)	Part Number (Straight) Gold Plated (L=17.50mm)	Part Number (Right Angle) Tin Plated	Part Number (Right Angle) Gold Plated
2	3.96	7.56	P9031-29-19-2	P9031D-29-19-2	P9031-29-12-2	P9032-29-19-2	P9032-29-12-2
3	7.92	11.52	P9031-29-19-3	P9031D-29-19-3	P9031-29-12-3	P9032-29-19-3	P9032-29-12-3
4	11.88	15.48	P9031-29-19-4	P9031D-29-19-4	P9031-29-12-4	P9032-29-19-4	P9032-29-12-4
5	15.84	19.44	P9031-29-19-5	P9031D-29-19-5	P9031-29-12-5	P9032-29-19-5	P9032-29-12-5
6	19.80	23.40	P9031-29-19-6	P9031D-29-19-6	P9031-29-12-6	P9032-29-19-6	P9032-29-12-6
7	23.76	27.36	P9031-29-19-7	P9031D-29-19-7	P9031-29-12-7	P9032-29-19-7	P9032-29-12-7
8	27.72	31.32	P9031-29-19-8	P9031D-29-19-8	P9031-29-12-8	P9032-29-19-8	P9032-29-12-8
9	31.68	35.28	P9031-29-19-9	P9031D-29-19-9	P9031-29-12-9	P9032-29-19-9	P9032-29-12-9
10	35.64	39.24	P9031-29-19-A	P9031D-29-19-A	P9031-29-12-A	P9032-29-19-A	P9032-29-12-A
11	39.60	43.20	P9031-29-19-B	P9031D-29-19-B	P9031-29-12-B	P9032-29-19-B	P9032-29-12-B
12	43.56	47.15	P9031-29-19-C	P9031D-29-19-C	P9031-29-12-C	P9032-29-19-C	P9032-29-12-C
13	47.52	51.12	P9031-29-19-D	P9031D-29-19-D	P9031-29-12-D	P9032-29-19-D	P9032-29-12-D
14	51.48	55.08	P9031-29-19-E	P9031D-29-19-E	P9031-29-12-E	P9032-29-19-E	P9032-29-12-E
15	55.44	59.04	P9031-29-19-F	P9031D-29-19-F	P9031-29-12-F	P9032-29-19-F	P9032-29-12-F
16	59.40	63.00	P9031-29-19-G	P9031D-29-19-G	P9031-29-12-G	P9032-29-19-G	P9032-29-12-G
17	63.36	66.96	P9031-29-19-H	P9031D-29-19-H	P9031-29-12-H	P9032-29-19-H	P9032-29-12-H
18	67.32	70.92	P9031-29-19-I	P9031D-29-19-I	P9031-29-12-I	P9032-29-19-I	P9032-29-12-I

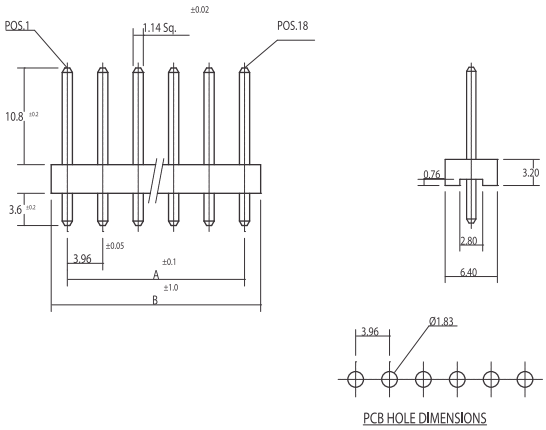




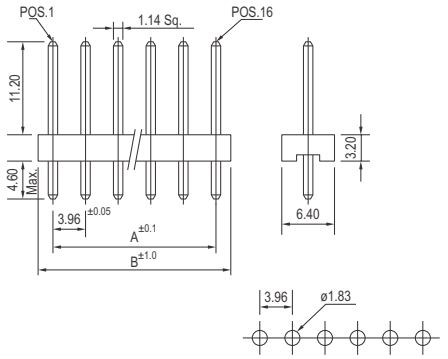
WAFER Without Ramp (Straight)

No. of Ways	Dimension		Part Number		
	A±0.1	B±1.0	Tin Plated (L=17.50mm)	Gold Plated (L=17.50mm)	Tin Plated (L=19.00mm)
2	3.96	7.56	P9033-20-19-2	P9033-20-12-2	P9033D-20-19-2
3	7.92	11.52	P9033-20-19-3	P9033-20-12-3	P9033D-20-19-3
4	11.88	15.48	P9033-20-19-4	P9033-20-12-4	P9033D-20-19-4
5	15.84	19.44	P9033-20-19-5	P9033-20-12-5	P9033D-20-19-5
6	19.80	23.40	P9033-20-19-6	P9033-20-12-6	P9033D-20-19-6
7	23.76	27.36	P9033-20-19-7	P9033-20-12-7	P9033D-20-19-7
8	27.72	31.32	P9033-20-19-8	P9033-20-12-8	P9033D-20-19-8
9	31.68	35.28	P9033-20-19-9	P9033-20-12-9	P9033D-20-19-9
10	35.64	39.24	P9033-20-19-A	P9033-20-12-A	P9033D-20-19-A
11	39.60	43.20	P9033-20-19-B	P9033-20-12-B	P9033D-20-19-B
12	43.56	47.15	P9033-20-19-C	P9033-20-12-C	P9033D-20-19-C
13	47.52	51.12	P9033-20-19-D	P9033-20-12-D	P9033D-20-19-D
14	51.48	55.08	P9033-20-19-E	P9033-20-12-E	P9033D-20-19-E
15	55.44	59.04	P9033-20-19-F	P9033-20-12-F	P9033D-20-19-F
16	59.40	63.00	P9033-20-19-G	P9033-20-12-G	P9033D-20-19-G





PCB HOLE DIMENSIONS

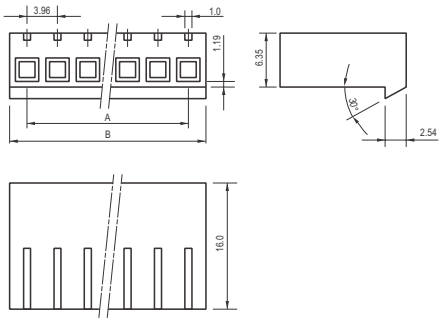


RECOMMENDED PCB LAYOUT

HOUSING With Ramp

P9035

No. of Ways	Dimension A	Dimension B±1.0	Part Number
2	3.96	7.80	P9035-29-00-2
3	7.92	11.80	P9035-29-00-3
4	11.88	15.80	P9035-29-00-4
5	15.84	19.80	P9035-29-00-5
6	19.80	23.70	P9035-29-00-6
7	23.76	27.60	P9035-29-00-7
8	27.72	31.60	P9035-29-00-8
9	31.68	35.60	P9035-29-00-9
10	35.64	39.50	P9035-29-00-A
11	39.60	43.50	P9035-29-00-B
12	43.56	47.50	P9035-29-00-C
13	47.52	51.40	P9035-29-00-D
14	51.48	55.40	P9035-29-00-E
15	55.44	59.30	P9035-29-00-F
16	59.40	63.30	P9035-29-00-G
17	63.36	67.30	P9035-29-00-H
18	67.32	71.20	P9035-29-00-I

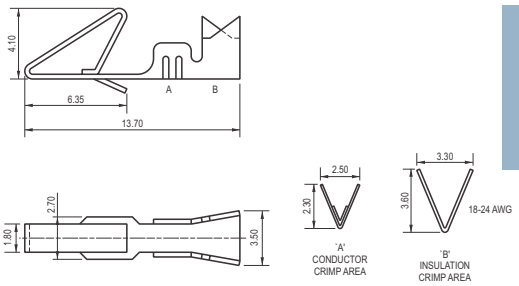


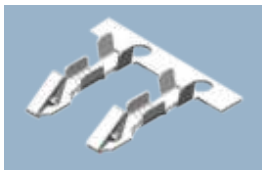


CRIMP TERMINAL

P9036

Description	Part Number Tin Plated	Part Number Gold Plated
Crimp Terminal	P9036-00-29-2	P9036-00-22-2





PROTECTRON

Specifications

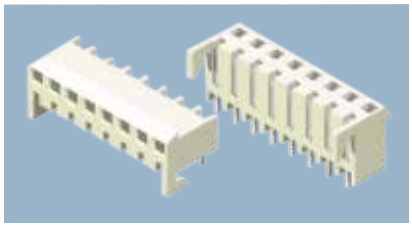
No. of Ways	: 2-25
Voltage Rating	: 250V AC, DC
Current Rating	: 7A AC, DC
Contact Resistance	: 10mΩ max.
Dielectric Withstanding	: 1500V AC/minute
Insulation Resistance	: 1000MΩ min
Temperature Range	: -25°C to +85°C

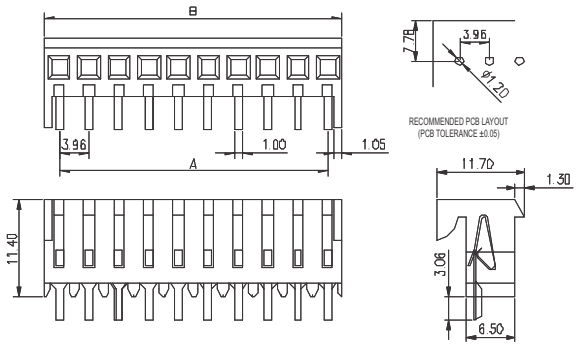
Material & Finish

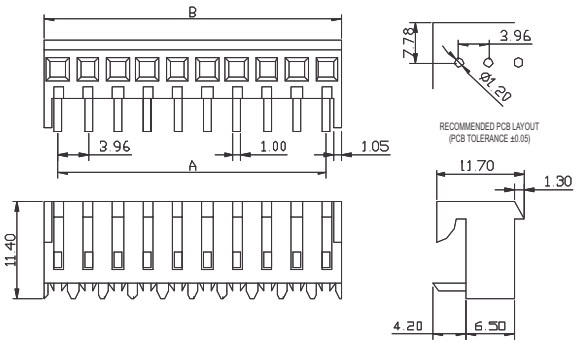
Insulator	: Nylon 66, UL94V-2
Contacts	: Brass, Tin Plated

WAFER, 3.96mm PITCH CENTRE P.C. BOARD CONNECTOR (Straight & Right Angle) P9068S & P9068R

No Of Ways	Dimensions		Part Number	
	A	B	Straight	Right Angle
	A±0.20	B±0.20		
2	3.96	7.62	P9068S29-19-2	P9068R29-19-2
3	7.92	11.73	P9068S29-19-3	P9068R29-19-3
4	11.88	15.74	P9068S29-19-4	P9068R29-19-4
5	15.84	19.70	P9068S29-19-5	P9068R29-19-5
6	19.80	23.65	P9068S29-19-6	P9068R29-19-6
7	23.76	27.62	P9068S29-19-7	P9068R29-19-7
8	27.72	31.53	P9068S29-19-8	P9068R29-19-8
9	31.68	35.54	P9068S29-19-9	P9068R29-19-9
A=10	35.64	39.50	P9068S29-19-A	P9068R29-19-A
B=11	39.60	43.45	P9068S29-19-B	P9068R29-19-B
C=12	43.56	47.42	P9068S29-19-C	P9068R29-19-C
D=13	47.52	51.33	P9068S29-19-D	P9068R29-19-D
E=14	51.48	56.34	P9068S29-19-E	P9068R29-19-E
F=15	55.44	59.30	P9068S29-19-F	P9068R29-19-F
G=16	59.45	63.26	P9068S29-19-G	P9068R29-19-G
H=17	63.38	67.22	P9068S29-19-H	P9068R29-19-H
I=18	67.32	71.18	P9068S29-19-I	P9068R29-19-I
J=19	71.28	75.14	P9068S29-19-J	P9068R29-19-J
K=20	75.24	79.10	P9068S29-19-K	P9068R29-19-K
L=21	79.20	83.08	P9068S29-19-L	P9068R29-19-L
M=22	83.16	87.02	P9068S29-19-M	P9068R29-19-M
N=23	87.12	90.98	P9068S29-19-N	P9068R29-19-N
O=24	91.08	94.94	P9068S29-19-O	P9068R29-19-O
P=25	95.04	98.90	P9068S29-19-P	P9068R29-19-P







3.96MM (0.156") PITCH CONNECTORS (POLARIZED)

P904 Series

Specifications

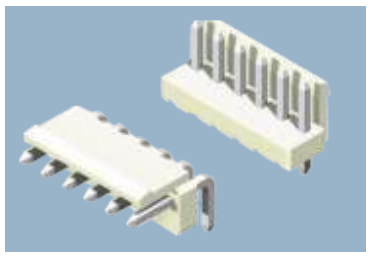
No. of Ways	:	2-12 & 16	Temperature Range	:	-25°C to +85°C
Voltage Rating	:	250V AC, DC	Applicable PC board Thickness	:	1.6mm
Current Rating	:	7A AC, DC	Crimp Terminal Wire Size	:	18-22 AWG
Contact Resistance	:	10mΩ max.	Insulation O.D	:	2.80mm max.
Insulation Resistance	:	1000MΩ min.	Contact Retention for Wafer	:	2.5Kg min.
Dielectric Withstanding	:	1500V AC/minute			

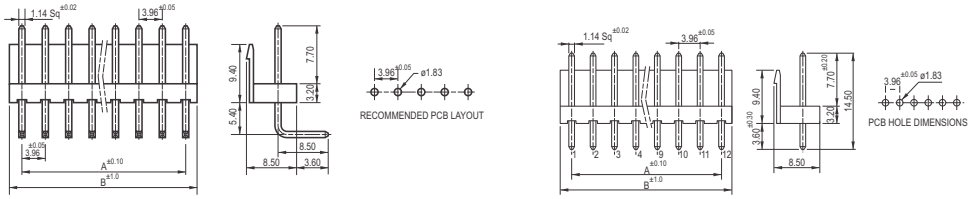
Material & Finish

Crimp Contact	: Copper Alloy, Tin/Gold Plated
Square Pin	: Brass, Tin/Gold Plated
Insulator	: Nylon

WAFER Straight / Right Angle — P9044 & P9043

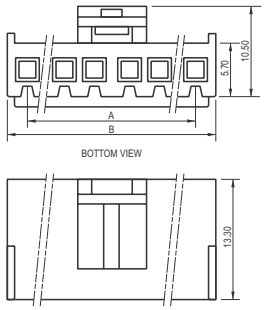
No. of Ways	Dimension A	Dimension B	Part Number (Straight) Tin Plated	Part Number (Straight) Gold Plated	Part Number (Right Angle) Tin Plated
2	3.96	7.86	P9044-29-19-2	P9044-29-12-2	P9043-29-19-2
3	7.92	11.82	P9044-29-19-3	P9044-29-12-3	P9043-29-19-3
4	11.88	15.78	P9044-29-19-4	P9044-29-12-4	P9043-29-19-4
5	15.84	19.74	P9044-29-19-5	P9044-29-12-5	P9043-29-19-5
6	19.80	23.70	P9044-29-19-6	P9044-29-12-6	P9043-29-19-6
7	23.76	27.66	P9044-29-19-7	P9044-29-12-7	P9043-29-19-7
8	27.72	31.62	P9044-29-19-8	P9044-29-12-8	P9043-29-19-8
9	31.68	35.58	P9044-29-19-9	P9044-29-12-9	P9043-29-19-9
10	35.64	39.54	P9044-29-19-A	P9044-29-12-A	P9043-29-19-A
11	39.60	43.50	P9044-29-19-B	P9044-29-12-B	P9043-29-19-B
12	43.56	47.46	P9044-29-19-C	P9044-29-12-C	P9043-29-19-C
16	59.40	63.30	P9044-29-19-G	P9044-29-12-G	P9043-29-19-G





HOUSING — P9045

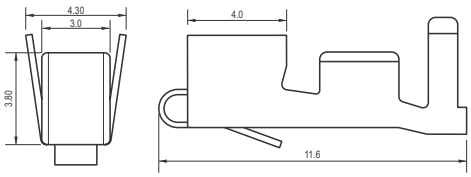
No. of Ways	Dimension A	Dimension B±0.5	Part Number
2	3.96	8.00	P9045-29-00-2
3	7.92	11.96	P9045-29-00-3
4	11.88	15.92	P9045-29-00-4
5	15.84	19.88	P9045-29-00-5
6	19.80	23.84	P9045-29-00-6
7	23.76	27.80	P9045-29-00-7
8	27.72	31.76	P9045-29-00-8
9	31.68	35.72	P9045-29-00-9
10	35.64	39.68	P9045-29-00-A
11	39.60	43.64	P9045-29-00-B
12	43.56	47.60	P9045-29-00-C
16	59.40	63.44	P9045-29-00-G





CRIMP TERMINAL — P9046

Finish	Part Number
Tin Plated	P9046-00-29
Gold Plated	P9046-00-22





4.2MM (0.165") PITCH MINI FIT CONNECTORS

P9049 Series

Specifications

No. of Ways	:	3-6 (Single row) 2-24 (Double row)
Voltage Rating	:	250V AC, DC
Current Rating	:	5A AC, DC
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	1500V AC/minute
Temperature Range	:	-25°C to +90°C
Crimp Terminal Wire Size	:	18-24 AWG
Insulation O.D	:	2.8mm max.

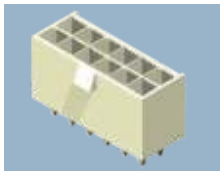
Material & Finish

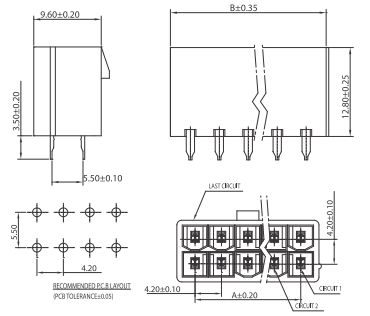
Crimp Contact	:	Copper Alloy, Tin Plated
Square Pin	:	Copper Alloy, Tin Plated
Insulator	:	Nylon, UL 94V-0

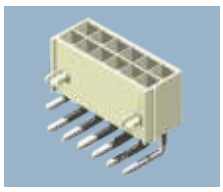
HEADER Double Row (Straight & Right Angle)

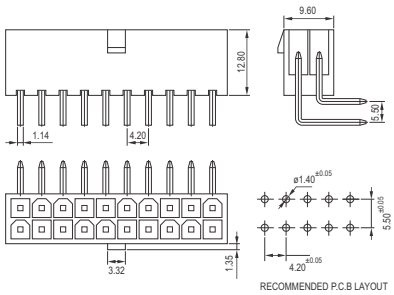
P9049S & P9049R

No. of Ways	Dimension		Part Number (Straight)	Part Number (Right)
	A	B	Tin Plated	Tin Plated
02	–	5.40	P9049S29-19-2	P9049R29-19-2
04	4.20	9.60	P9049S29-19-4	P9049R29-19-4
06	8.40	13.80	P9049S29-19-6	P9049R29-19-6
08	12.60	18.00	P9049S29-19-8	P9049R29-19-8
10	16.80	22.20	P9049S29-19-A	P9049R29-19-A
12	21.00	26.40	P9049S29-19-C	P9049R29-19-C
14	25.20	30.60	P9049S29-19-E	P9049R29-19-E
16	29.40	34.80	P9049S29-19-G	P9049R29-19-G
18	33.60	39.00	P9049S29-19-I	P9049R29-19-I
20	37.80	43.20	P9049S29-19-K	P9049R29-19-K
22	42.00	47.40	P9049S29-19-M	P9049R29-19-M
24	46.20	51.60	P9049S29-19-O	P9049R29-19-O







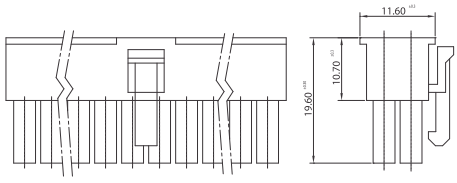


NOTE: For Headers with pegs & with flange, contact factory

HOUSING Double Row

P9049H

No. of Ways	Dimension		Part Number
	A	B	
2	–	5.70	P9049H29-00-2
4	4.20	9.60	P9049H29-00-4
6	8.40	13.80	P9049H29-00-6
8	12.60	18.00	P9049H29-00-8
10	16.80	22.20	P9049H29-00-A
12	21.00	26.40	P9049H29-00-C
14	25.20	30.60	P9049H29-00-E
16	29.40	34.80	P9049H29-00-G
18	33.60	39.00	P9049H29-00-I
20	37.80	43.20	P9049H29-00-K
22	42.00	47.40	P9049H29-00-M
24	46.20	51.60	P9049H29-00-O

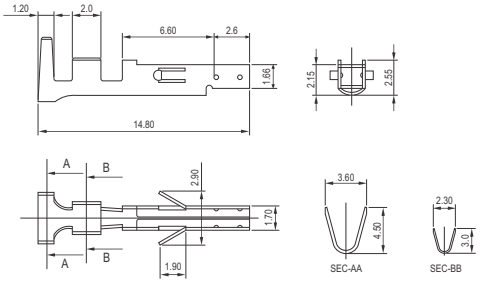




CRIMP TERMINAL

P9049T

Finish	Part Number
Tin Plated	P9049T00-19

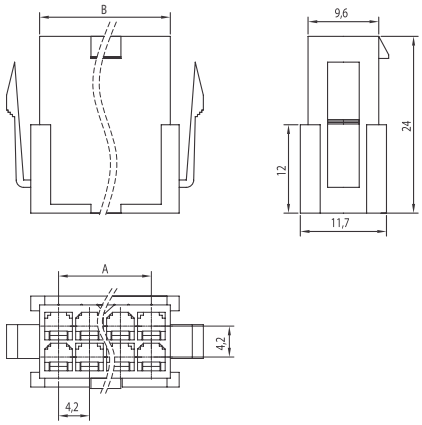


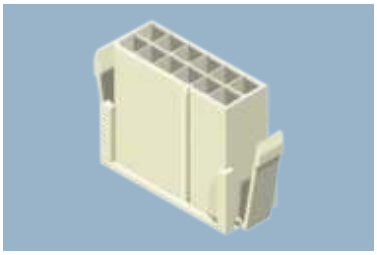


PLUG, Housing, Double Row

P9049PH

No.of Ways	A	B	Part Number
2	--	5.40	P9049PH29-00-2
4	4.20	9.60	P9049PH29-00-4
6	8.40	13.80	P9049PH29-00-6
8	12.60	18.00	P9049PH29-00-8
10	16.80	22.20	P9049PH29-00-A
12	21.00	26.40	P9049PH29-00-C
14	25.20	30.60	P9049PH29-00-E
16	29.40	34.80	P9049PH29-00-G
18	33.60	39.00	P9049PH29-00-I
20	37.80	43.20	P9049PH29-00-K
22	42.00	47.40	P9049PH29-00-M
24	46.20	51.60	P9049PH29-00-O

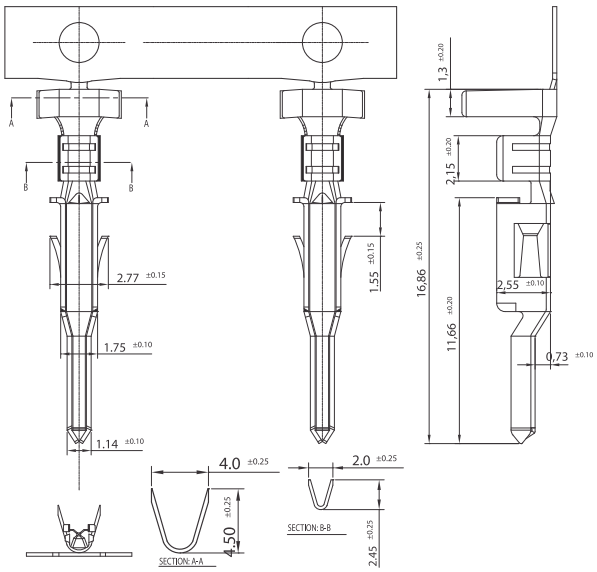


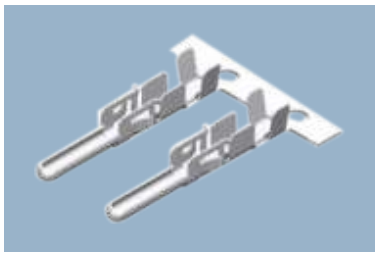


CRIMP TERMINAL, For Plug Housing

P9049PT

Finish	Part Number
Tin plated	P9049PT00-19

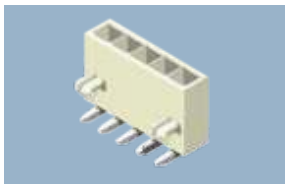




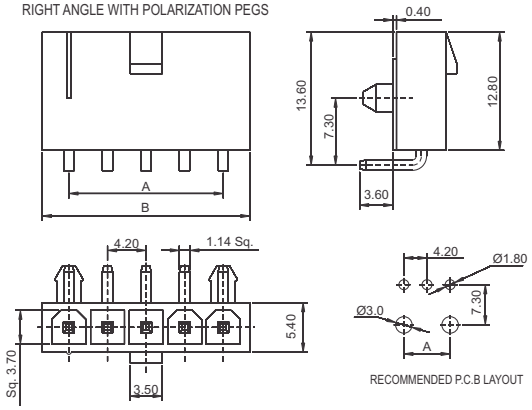
Header Single Row Right Angle (With & W/O Pegs)

P9054R Series

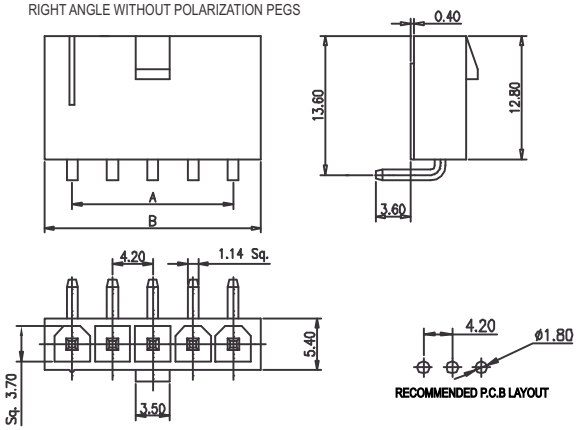
Contacts	Dimensios		Part Number	
	A	B	With Pegs	W/o Pegs
02	4.20	9.60	P9054R29-19-2-P	P9054R29-19-2
03	8.40	13.80	P9054R29-19-3-P	P9054R29-19-3
04	12.60	18.00	P9054R29-19-4-P	P9054R29-19-4
05	16.80	22.20	P9054R29-19-5-P	P9054R29-19-5



RIGHT ANGLE WITH POLARIZATION PEGS



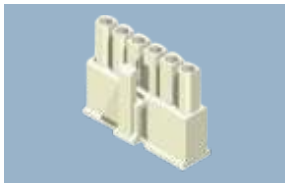
RIGHT ANGLE WITHOUT POLARIZATION PEGS

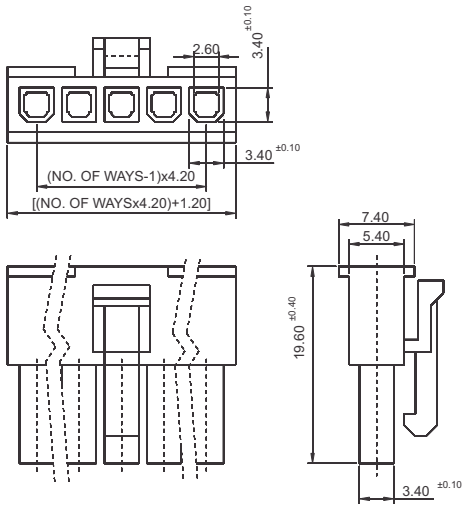


Housing Single Row

P9054H

Contacts	Dimensios		Part Number
	A	B	
02	4.20	9.60	P9054H29-00-2
03	8.40	13.80	P9054H29-00-3
04	12.60	18.00	P9054H29-00-4
05	16.80	22.20	P9054H29-00-5





Note: For Crimp Terminal refer P9049T

5.08MM (0.200") PITCH DISK DRIVE POWER CONNECTORS

P904 Series

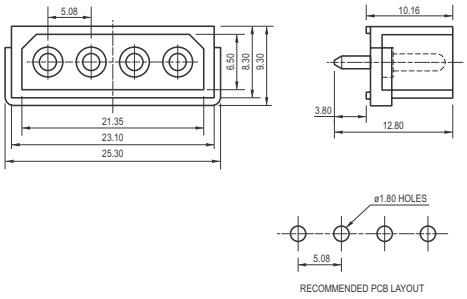
Specifications

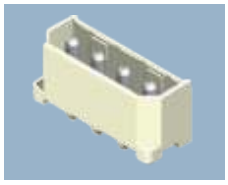
No. of Ways	:	4
Voltage Rating	:	250V AC, DC
Current Rating	:	7A AC, DC
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	1500V AC/minute
Temperature Range	:	-25°C to +85°C
Applicable PC board Thickness	:	1.6mm
Crimp Terminal Wire Size	:	14-20 AWG
Insulation O.D	:	2.5mm max.

Material & Finish

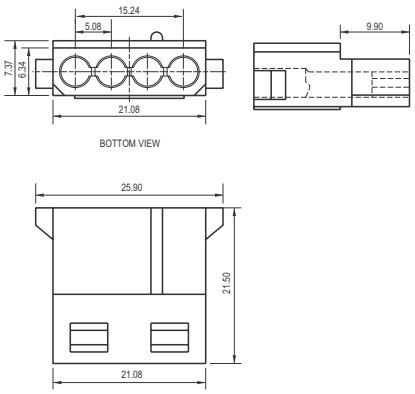
Crimp Contact	:	Copper Alloy, Tin Plated
Square Pin	:	Brass, Tin Plated
Insulator	:	Nylon

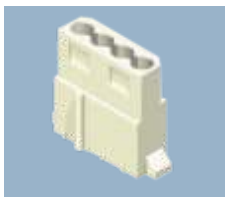
WAFER Straight 4 Pole — P9040-29-19



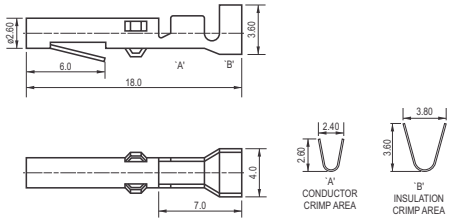


HOUSING — P9041-29-00





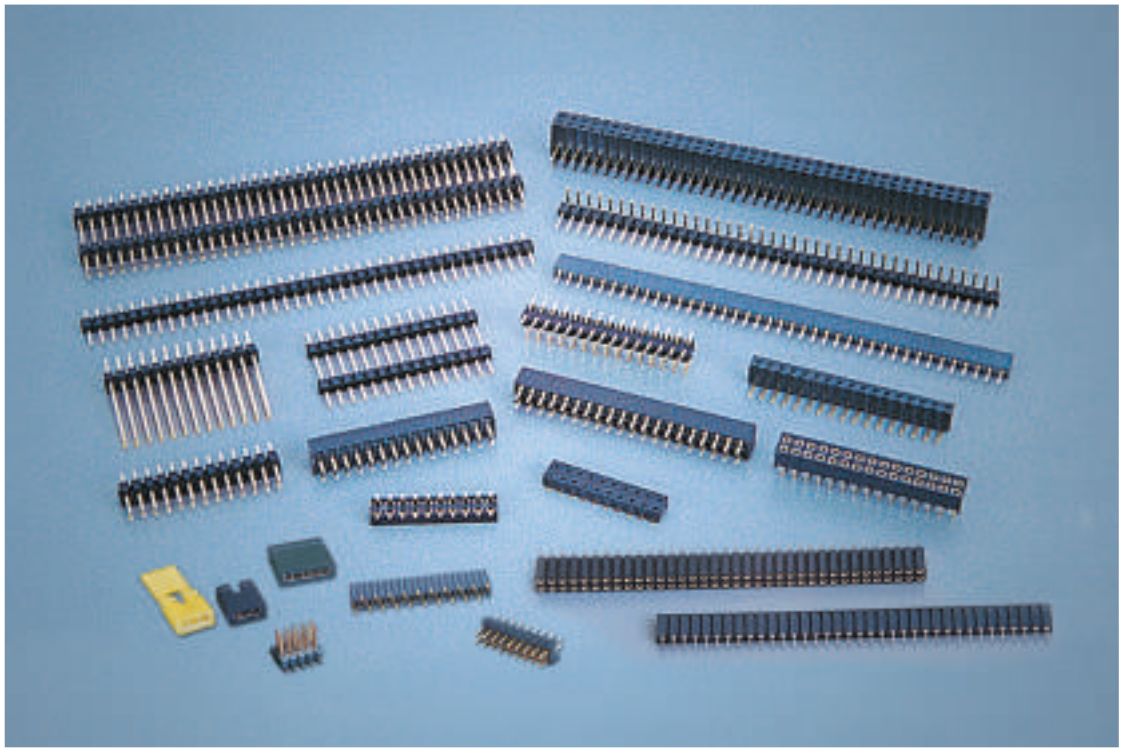
CRIMP TERMINAL — P9042-00-29





PROTECTRON

MOTHER BOARD TO DAUGHTER BOARD CONNECTORS



2.54MM(0.100") PITCH PIN HEADERS

P910 Series

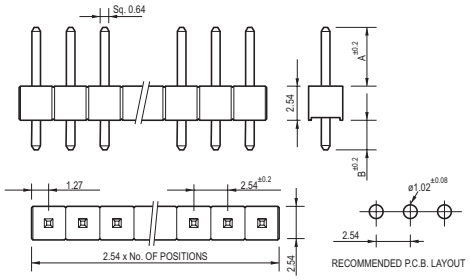
Specifications

Current Rating	:	3A
Insulation Resistance	:	10000MΩ min.
Dielectric Withstanding	:	1000V AC/minute
Temperature Range	:	-40°C to +105°C
Retention Force	:	1.0Kg min.
Applicable PC Board Thickness	:	0.8 to 1.6mm

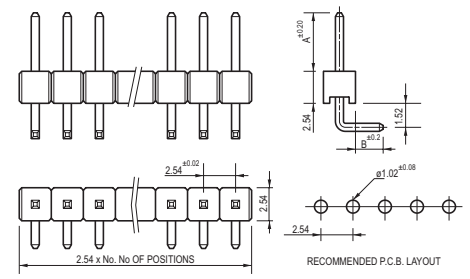
Material & Finish

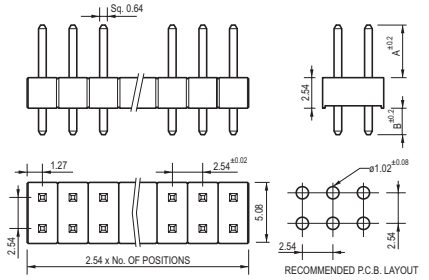
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Glass Filled, Thermoplastic Polyester, UL94V-0

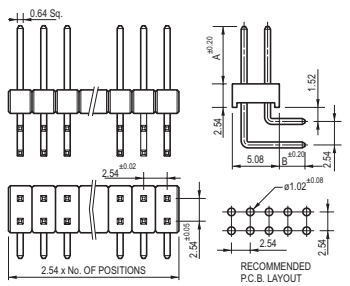
2.54mm Pitch(0.100") Pin Header Single Row/Double Row — P9101/P9102/P9103/P9104



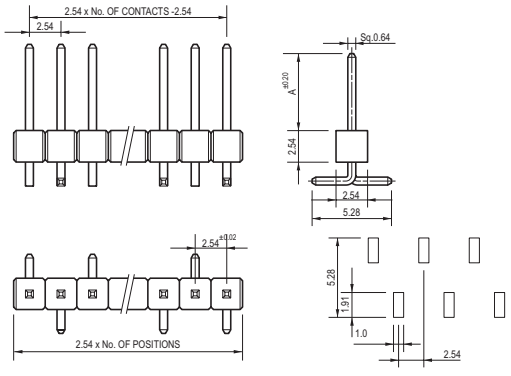


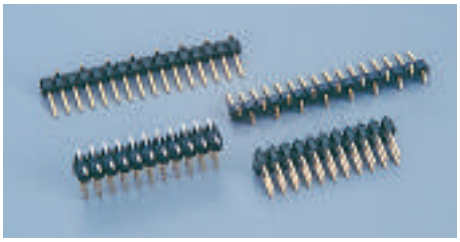


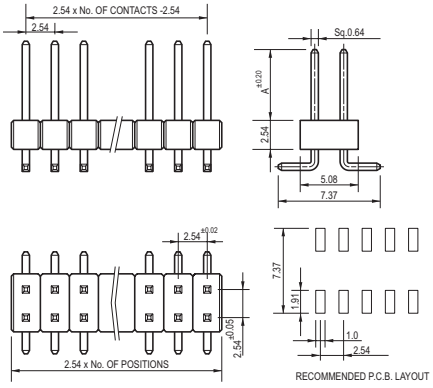




2.54mm Pitch(0.100") Pin Header Surface Mount Single Row/Double Row — P9107/P9105

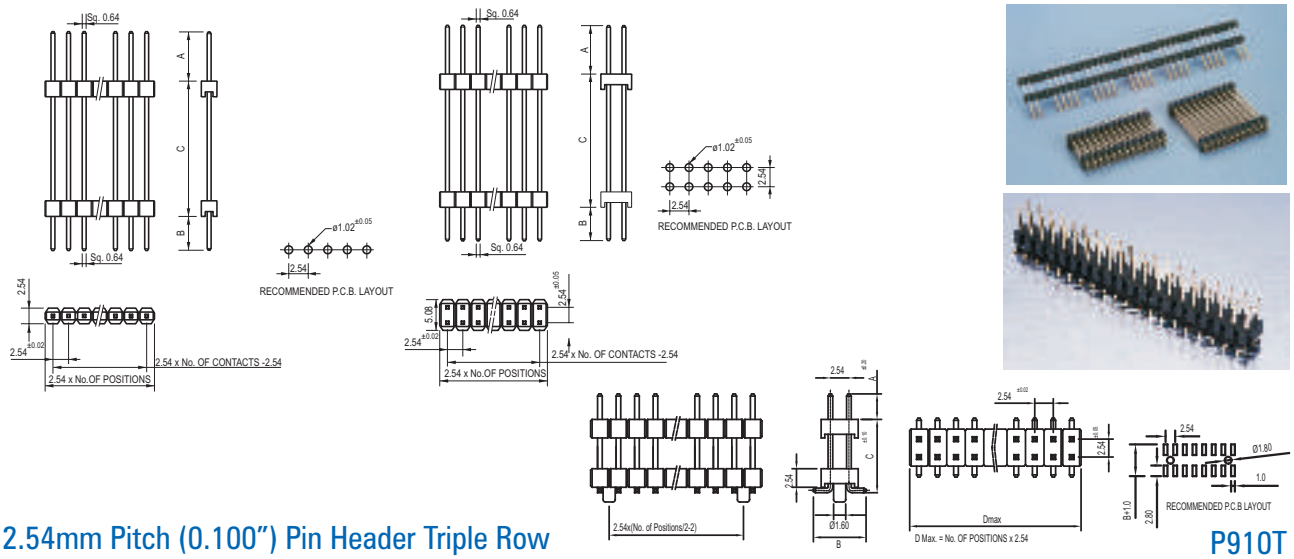






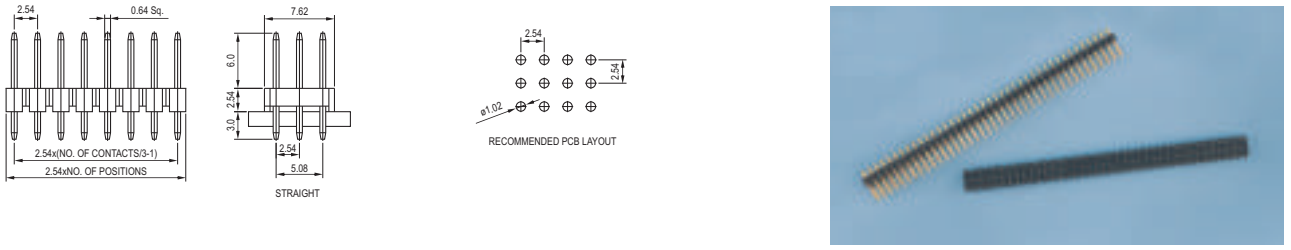
2.54mm Pitch(0.100") Pin Header Basic Stack Type Single Row/Double Row (Straight & Surface Mount)

P9109/P9108/P910C



2.54mm Pitch (0.100") Pin Header Triple Row

P910T



ORDERING INFORMATION

P910X-XXXXX-X

Series	X Type of Row	XX Number of Contacts	X PCB -PCB 'C'	XX A/B	X Plating
P910	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T 4=Double Row R/A 5=Surface Mount DR 7 =Surface Mount SR 8=Basic Stack Type DR S/T 9=Basic Stack Type SR S/T C= Basic Stack Type SMT T = Triple Row	01 to 40 For Single Row 02 to 80 For Double Row XX No.of contacts 009 to 120 (aplicable for type of Row 'T' only)	Specify Length (Applicable For type of row 8 & 9 & C only) otherwise indicate as "–" X	12=5.84/3.0 13=5.84/3.6 21=6.06/2.8 32=6.80/3.0 44=7.06/4.9 For Others Specify A & B Dimension 12=5.84/3.0 (Applicable for Type of Row 4 only) 11=5.84/7.40 (End to End) (App to type of Row 5 only) 18=5.84/5.30 (End to End) (App for Type of Row 7 only)	1= Gold Flash 2=0.75μ Gold 3=1.27μ Gold 4=5μ Tin 5= 0.75μ Gold on Contact Side & 5μ Tin on Solder Side 6=Gold Flash on Contact Side & Tin on Solder Side 7=0.38μ Gold on contact side & 5μ tin on solder side 8=0.25μ Gold 9=0.38μ Gold

Note: For Surface Mount Type, Specify Above/Below Length (End to End)

Available pin lengths -8.70, 9.20, 10.0,10.80, 11.20, 11.40, 11.8, 12.40, 13.20, 13.80, 13.46, 14.5,16.0, 18.54, 19.60, 20.70, 21.10, 21.3, 23.40, 25.40,27.50, 30.0, 32.0, 35.0, 50.0

2.54MM(0.100") PITCH BOX HEADER

P960 Series

Specifications

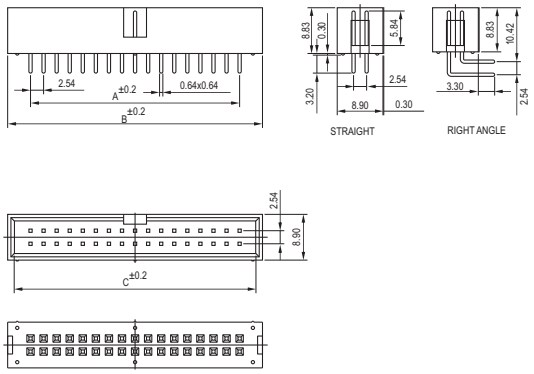
Current Rating	:	3A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC For 1 min
Temperature Range	:	-40°C to +105°C

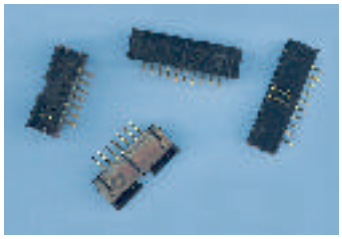
Material & Finish

Crimp Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL 94V-0

2.54mm (0.100") Pitch Box Header Double Row (Straight & Right angle) — P9603 & P9604

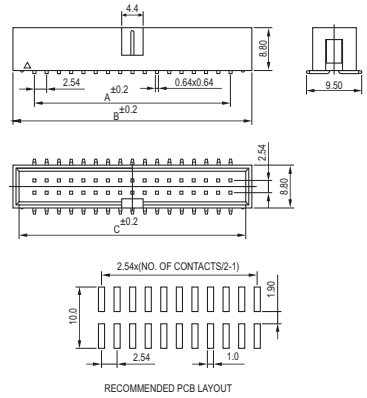
No. of Contacts	A	B	C
08	7.62	17.77	15.48
10	10.16	20.31	18.02
12	12.70	22.85	20.56
14	15.24	25.39	22.10
16	17.78	27.93	25.64
20	22.86	33.01	30.72
24	27.94	38.09	35.80
26	30.48	40.63	38.34
30	35.56	45.71	43.42
34	40.64	50.79	48.59
40	48.26	58.41	56.12
44	53.34	63.49	61.40
50	60.96	71.11	68.82
60	73.66	83.81	81.52
64	78.74	88.89	86.60





2.54mm (0.100") pitch Box Header Double Row Surface Mount — P9605

No. of Contacts	A	B	C
08	7.62	17.77	15.48
10	10.16	20.31	18.02
12	12.70	22.85	20.56
14	15.24	25.39	22.10
16	17.78	27.93	25.64
20	22.86	33.01	30.72
24	27.94	38.09	35.80
26	30.48	40.63	38.34
30	35.56	45.71	43.42
34	40.64	50.79	48.59
40	48.26	58.41	56.12
44	53.34	63.49	61.40
50	60.96	71.11	68.82
60	73.66	83.81	81.52
64	78.74	88.89	86.60





ORDERING INFORMATION

P960X-XX-15-X

Series	X Type of Row	XX Number of Contacts	X Plating
P960	3=Double Row S/T 4=Double Row R/A 5=Double Row SMT	08, 10, 12, 14 16, 20, 24, 26 30, 34, 40, 44 50, 60, 64	1=Gold Flash 2=0.75μ Gold 4=5μ Tin 6=Gold flash on contact side & Tin on solder side

Note: For female headers with notch, contact factory

2.54MM(0.100") PITCH EJECTOR HEADER

P990 Series

Specifications

Current Rating	: 3A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 5000MΩ min.
Temperature Range	: -40°C to +105°C
Dielectric Withstanding	: 1000V Ac

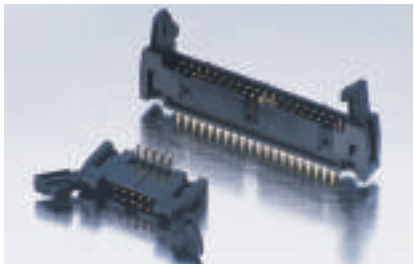
Material & Finish

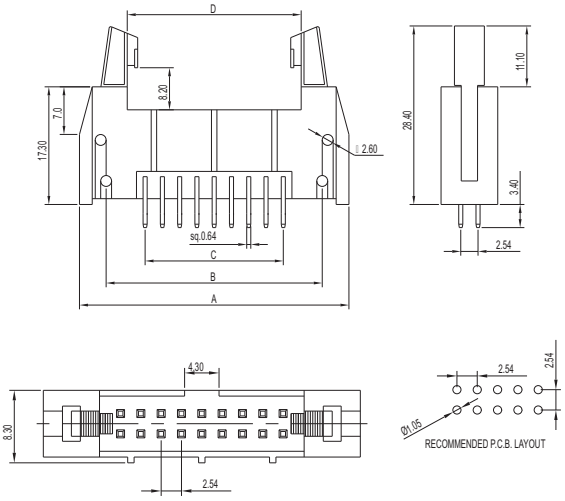
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL 94V-0

2.54mm (0.100") Pitch Ejector Header Double Row (Straight)

P9903-XXA-15X1

No.of Contacts
10 to 64
Latch Type
L= Long Latch
S=Short Latch



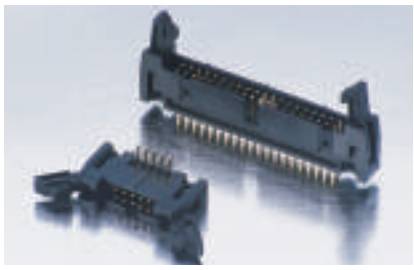


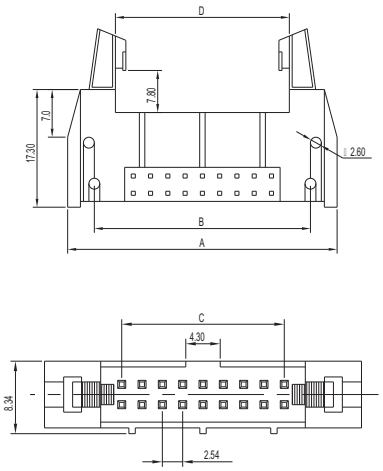
NO.OF CONTACTS(XX)	A	B	C	D
10	32.0	21.84	10.16	17.96
12	34.54	24.38	12.70	20.50
14	37.08	26.92	15.24	23.04
16	39.62	29.46	17.78	25.58
20	44.70	34.54	22.86	30.33
24	49.78	39.62	27.94	35.74
26	52.32	42.16	30.48	38.28
30	57.40	47.24	35.56	43.68
34	62.48	52.32	40.64	48.44
40	70.10	59.94	48.26	56.06
50	82.80	72.64	60.96	68.76
60	95.80	85.34	73.66	82.00
64	100.58	90.42	78.74	86.54

2.54mm (0.100") Pitch Ejector Header Double Row (Right Angle)

P9904-XXA-13X1

No.of Contacts
10 to 64
Latch Type
L= Long Latch
S=Short Latch





NO.OF PINS	A	B	C	D
10	32.0	21.84	10.16	17.96
12	34.54	24.38	12.70	20.50
14	37.08	26.92	15.24	23.04
16	39.62	29.46	17.78	25.58
20	44.70	34.54	22.86	30.33
24	49.78	39.62	27.94	35.74
26	52.32	42.16	30.48	38.28
30	57.40	47.24	35.56	43.36
34	62.48	52.32	40.64	48.44
40	70.10	59.94	48.26	58.06
50	82.80	72.64	60.96	68.76
60	95.50	85.34	73.66	81.46
64	100.58	90.42	78.74	86.54

2.54MM(0.100") PITCH DIP PLUG

P9403IDS Series

Specifications

Current Rating	:	3 A
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	1000MΩ min
Dielectric Withstanding	:	1000V AC for 1 minute
Temperature Range	:	-55°C to +105°C

Material & Finish

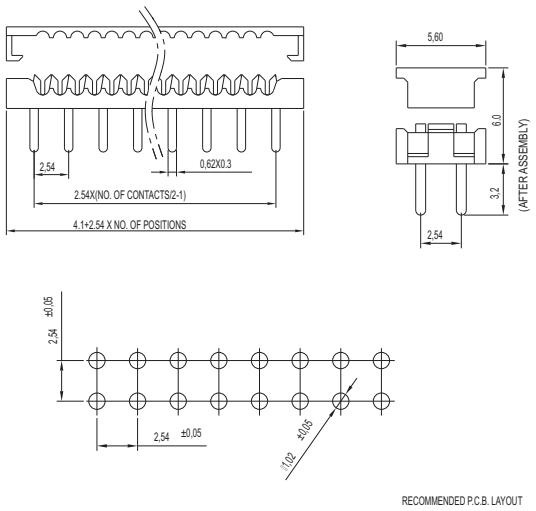
Contact	:	Copper Alloy, Tin Plated
Insulator	:	Polyester, UL 94V-0

2.54mm Pitch DIP Plug

P9403IDSA-XX-24

No.of Contacts
10 to 60





RECOMMENDED P.C.B. LAYOUT

2.54MM(0.100") PITCH MINI JUMPER/ 5.08MM PITCH MINI JUMPER

P920 Series



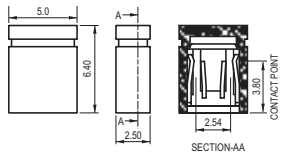
Specifications

Current Rating	:	3A
Contact Resistance	:	20mΩ max./30mΩ for 5.08mm pitch
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	1000VAC for 1 min.
Temperature Range	:	-40°C to +105°C
Insertion Force with Steel Pin 0.64Sq	:	0.4Kg max.
Extraction Force with Steel Pin 0.64Sq	:	0.07Kg min.
Mechanical Life	:	100 Cycles min.

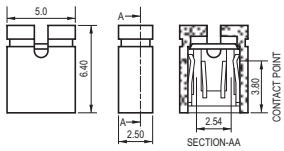
Material & Finish

Contact	:	Phosphor Bronze, Gold Plated
Insulator	:	Glass Filled Thermoplastic Polyester

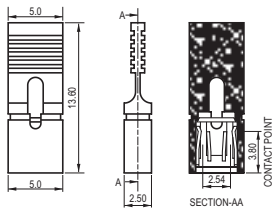
Close Type



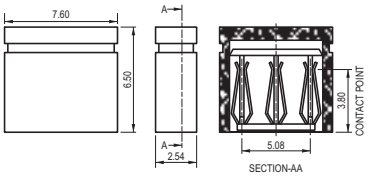
Open Type



Lifting Tab



P922 Series





ORDERING INFORMATION

P920X-XX-XX

Series	X Type of Insulator	XX Colour of Insulator	XX Plating
P920 2.54mm Pitch	1=Close Type 2=Open Type 3=With Lifting Tab	50=Black 52=Red 54=Yellow 56=Blue	21=Gold Flash 22=0.75μ Gold

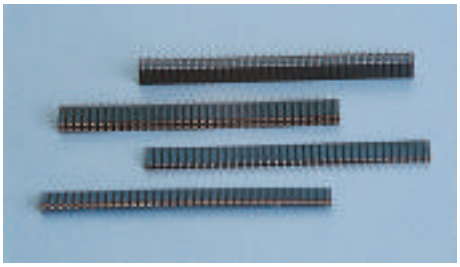
ORDERING INFORMATION

P922X-XX-XX

Series	X Type of Insulator	XX Colour of Insulator	XX Plating
P922 5.08mm Pitch	1=Close Type	50=Black 56=Blue	21=Gold Flash 22=0.75μ Gold

2.54MM(0.100") PITCH FEMALE HEADERS (MACHINED SPRING CONTACTS)

P930 Series



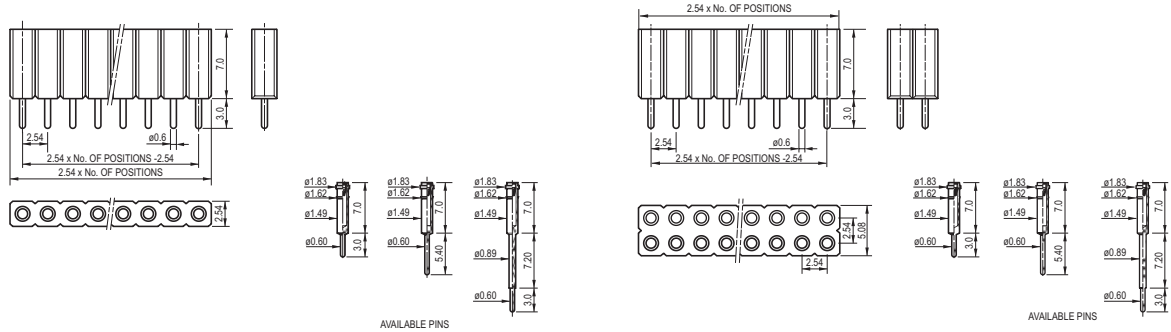
Specifications

Voltage Rating	:	100V AC/150V DC
Current Rating	:	3A
Contact Resistance	:	10mΩ max.
Insulation Resistance	:	10000MΩ min.
Dielectric Withstanding	:	1000V rms.min.
Temperature Range	:	-55°C to +105°C
Insertion Force/Contact	:	0.12Kg max.
Extraction Force/Contact	:	0.06Kg min.
Mechanical Life	:	500 Cycles min.
Measured with	:	Ø0.76 Polished Steel Pin

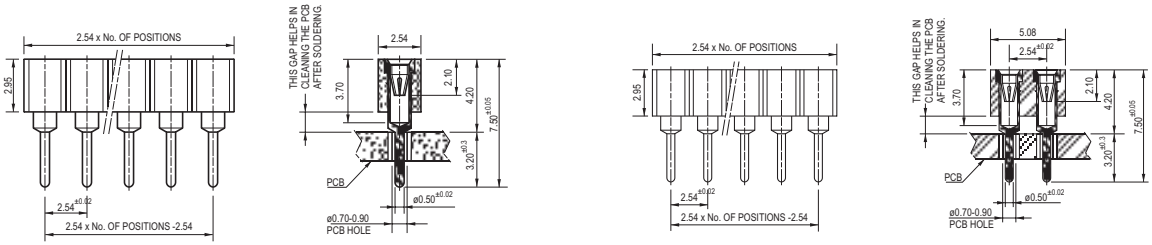
Material & Finish

Inner Clip	:	Beryllium Copper, Gold Plated (6 Finger Clip)
Outer Sleeve	:	Brass, Tin Plated
Insulator	:	Glass Filled Thermoplastic Polyester, UL94V-0

Single Row/Double Row — P9301 / P9303



P9305 / P9306



ORDERING INFORMATION

P930X-XX-XX-X

Series	Type of Row	Number of Contacts	Type of Pin	Plating: Inner Clip	Plating: Outer Sleeve	Profile
P930	1=Single Row S/T Profile:7.0mm 3=Double Row S/T Profile:7.0 5=Single Row S/T Profile: 2.9mm 6=Double Row S/T Profile: 2.9mm	01 to 36 For Single Row 02 to 72 For Double Row →	1=PC Pin 3mm 2=PC Pin 5.4mm 3=PC Pin 10.2mm 4=PC Pin 3mm (L=7.2mm)	1=0.25μ Au 2=0.75μ Au 3=5μ Sn 4=0.75μ Au	5μ Sn 5μ Sn 5μ Sn 0.25μ Au	1=2.9mm (Applicable for Type of row 5 & 6 only)

Note: For Right Angle Version, Check with Factory

2.54MM(0.100") PITCH FEMALE HEADERS (FORMED CONTACTS)

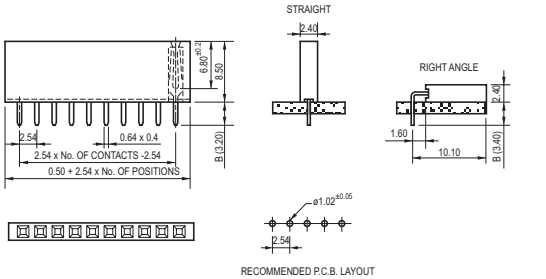
P940 Series

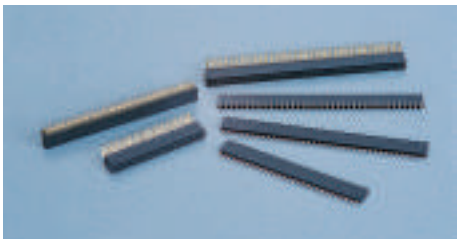
Specifications

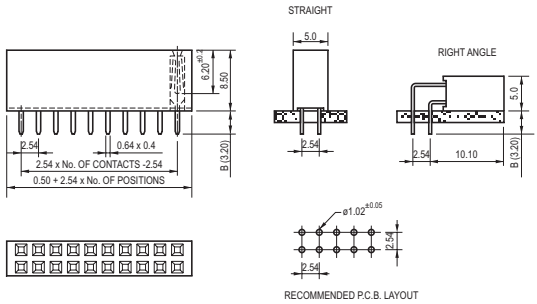
Current Rating	: 1A	Temperature Range	: -40°C to +105°C	Material & Finish	
Contact Resistance	: 20mΩ max.	Insertion Force/Contact	: 200gms max.	Contact	: Copper Alloy, Gold Plated
Insulation Resistance	: 5000MΩ min.	Extraction Force/Contact	: 20gms min.	Insulator	: Polyester, UL94V-0
Dielectric Withstanding	: 500V AC	Mechanical Life	: 100 Cycles min.		

2.54mm Pitch(0.100") Female Header Single Row/Double Row
Profile: 8.5mm

P9401/P9402/P9403/P9404

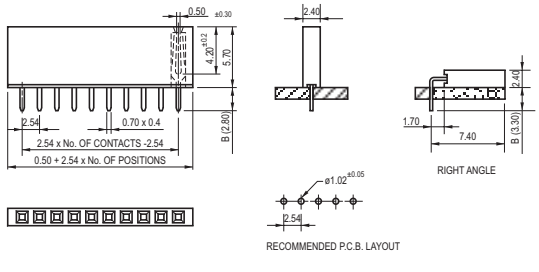


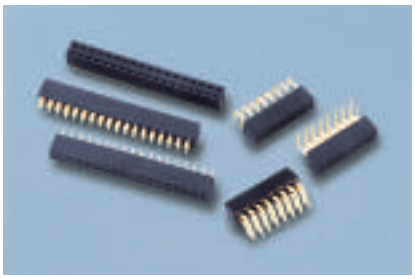


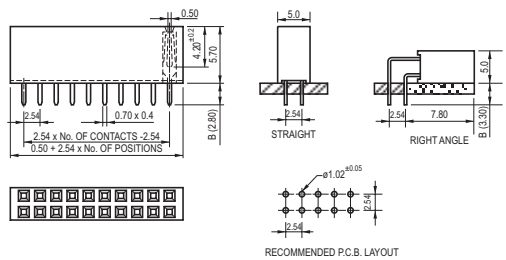


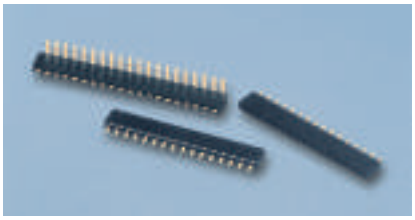
2.54mm Pitch(0.100") Female Header Single Row/Double Row
Profile: 5.7mm

P9401A / P9402A / P9403A / P9404A



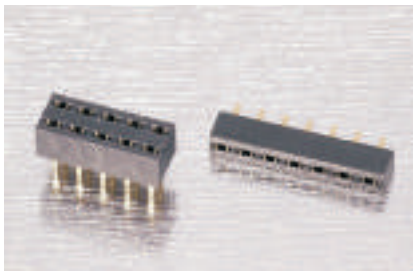


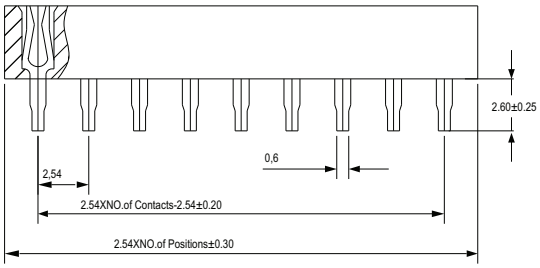


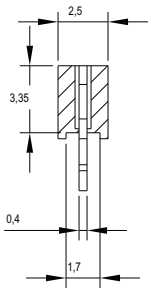


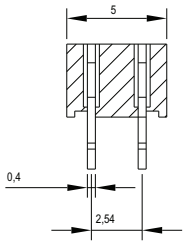
2.54mm (0.100”) Pitch Female Header Single Row/Double Row
Profile: 3.55mm

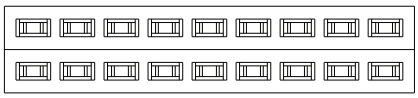
P9401I/P9403I

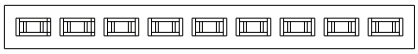


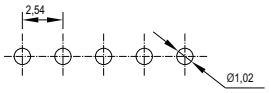






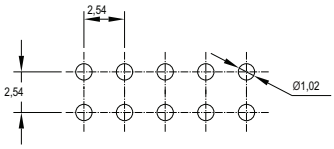






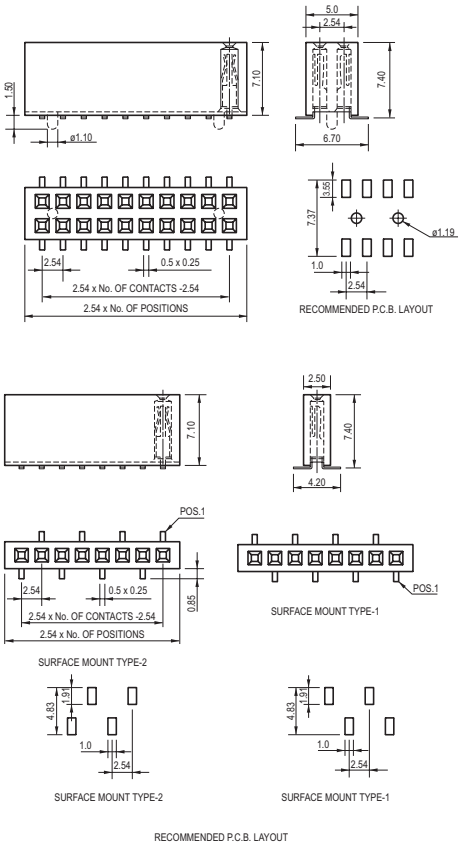
Recommended PCB layout

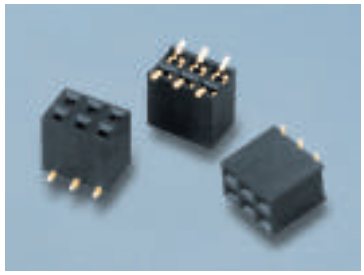
(PCB TOLERANCE ±0.05)

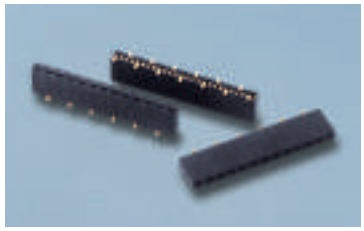


2.54mm Pitch(0.100") Female Header Surface Mount
Single Row/Double Row Profile: 7.4mm

P9405/P9406

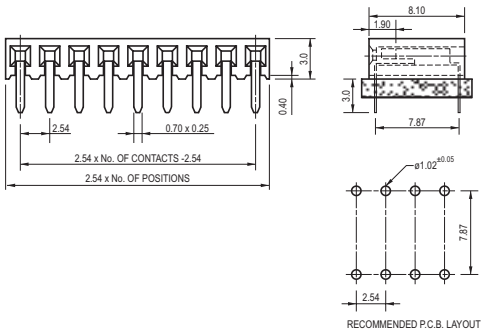


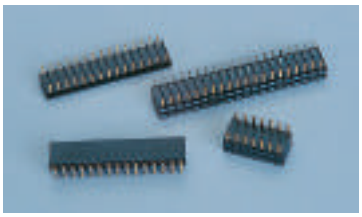


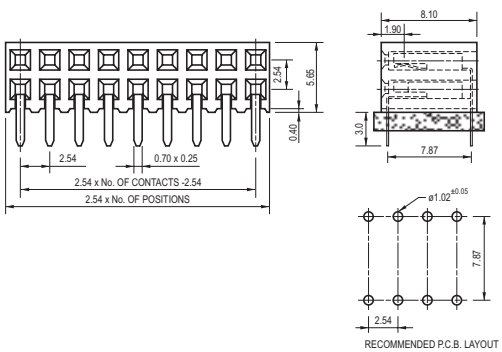


2.54x7.87mm Pitch Female Header Side Entry Single Row/Double Row

P9409 / P9410

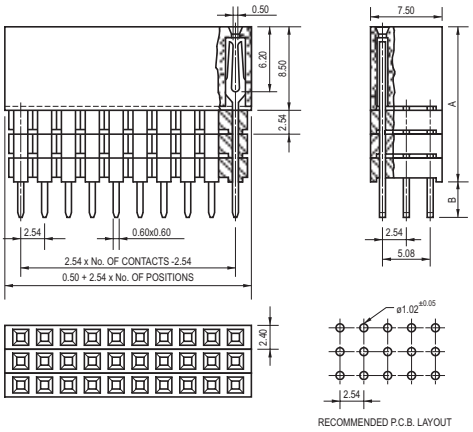


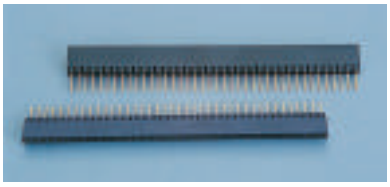




2.54mm Pitch(0.100") Female Header Elevated Type Single/Double/Triple Row

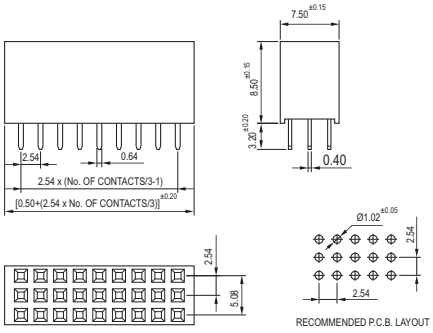
P940S / P940D / P940T

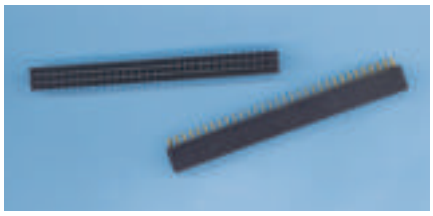




2.54mm Pitch (0.100") Female Header Triple Row, 8.5mm base

P940T





ORDERING INFORMATION

P94XXXXXXXX

Series	XX Type of Row	X Profile	XX Number of Contacts	X Tail Option	XX Plating
P94	01=Single Row S/T 02=Single Row R/A 03=Double Row S/T 04=Double Row R/A	"–" =Std 8.5mm A=5.7mm (Applicable to Type of row 01-04 only) I=3.55mm For Double Row	03 to 40 For Single Row 04 to 80 For Double Row (Applicable to Type of row 01-10 only)	For Straight "–" =Std 3.2mm 1=2.8mm/2.6mm 2=6.0mm 3=11.0mm For Right Angle "–" =Std 3.3mm 4=8.0mm 5=10.0mm (Applicable to Type of row 01–04 only) Otherwise indicate as "–"	21=Gold Flash 22=0.75μ gold 23=gold Flash on Contact Side & Tin on Solder Side 24=5μ tin
	05=Surface Mount DR →	"–" =Std 7.4mm B=7.4mm with Alignment For Single row			
	06=Surface Mount SR	"–" =Std 7.4mm SM1 Type A= 7.4mm SM2 Type			
	09=2.54x7.87mm Pitch S/R Side Entry R/A →	"–" =Std 3.0mm			
	10=2.54x7.87mm Pitch DR Side Entry R/A →	"–" =Std 5.65mm			
	0S=Single Row Elevated Type 0D=Double Row Elevated Type 0T=Triple Row Elevated Type	Elevated Type X XX No. of Contacts 009 to 120		Elevated Type A/B A=11.05/2.3mm B=11.05/7.35mm C=11.05/12.2mm D=13.59/4.85mm E=13.59/9.65mm F=16.13/2.3mm G=15.13/7.1mm H=18.67/4.6mm I=16.13/4.6mm J=21.16/2.3mm K=16.13/7.10mm	

2.54MM(0.100") PITCH FEMALE HEADER 5MM BASE DUAL BEAM FOLDED CONTACT

P950 Series

Specifications

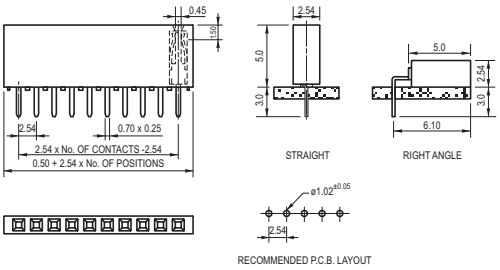
Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC
Temperature Range	:	-40°C to +105°C
Insertion Force/Contact	:	200gms max.
Extraction Force/Contact	:	20gms min.
Mechanical Life	:	100 Cycles min.

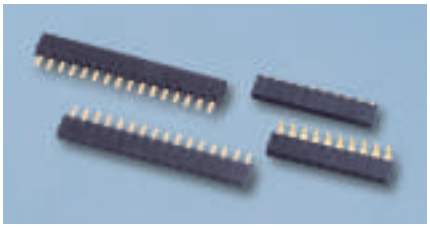
Material & Finish

Contact	:	Copper Alloy
Insulator	:	Polyester, UL94V-0

Single Row Straight/Right Angle

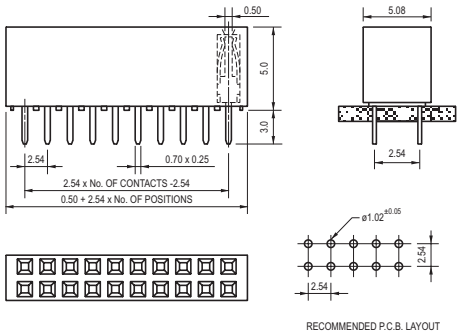
P9501 / P9502

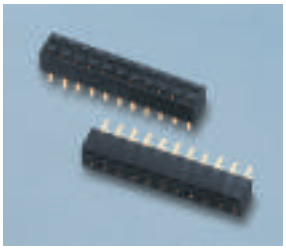




Double Row Straight

P9503





ORDERING INFORMATION

P950X-XX-XX

	X	XX	XX
Series	Type of Row	Number of Contacts	Plating
P950	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T	03 to 40 For Single Row 04 to 80 For Double Row	21= Gold Flash 22= 0.75μ Gold 23= Gold Flash on Contact side & Tin on Solder Side 24= 5μ Tin

2.54MM(0.100") PITCH FEMALE HEADER 8.5MM BASE WITH POLARISATION PAD

P970 Series

Specifications

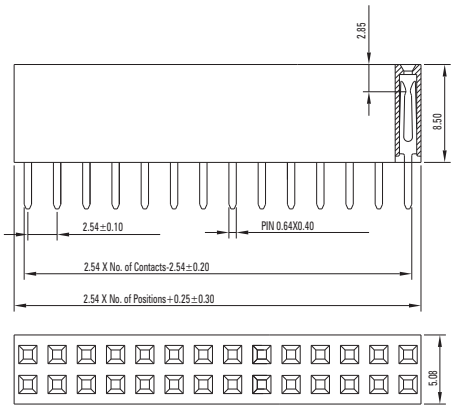
Current Rating	:	3 A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Voltage	:	5000V AC For 1 minute
Temperature Range	:	-40°C To +105°C

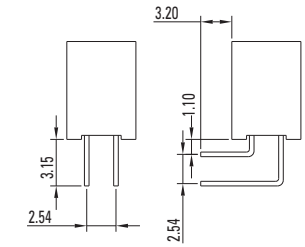
Material & Finish

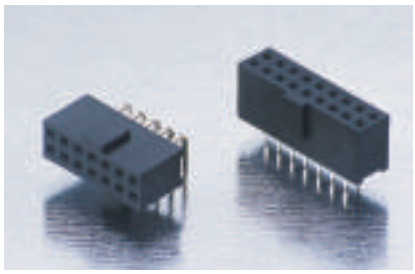
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

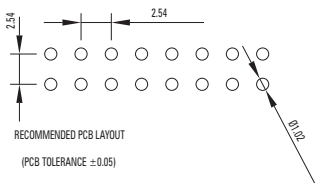
Double Row Straight/Right Angle

P9703/ P 9704









ORDERING INFORMATION

P970X-XX-21

Series	X Type of Row	XX Number of Contacts	21 Plating
P970	3=Double Row S/T 4=Double Row R/A	02 to 40	21=Gold Plated

2.54MM(0.100") IDC SOCKETS

P9403 Series

Specifications

Current Rating	:	3A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	1000V Ac For 1minute
Temperature Range	:	-40°C To +105°C

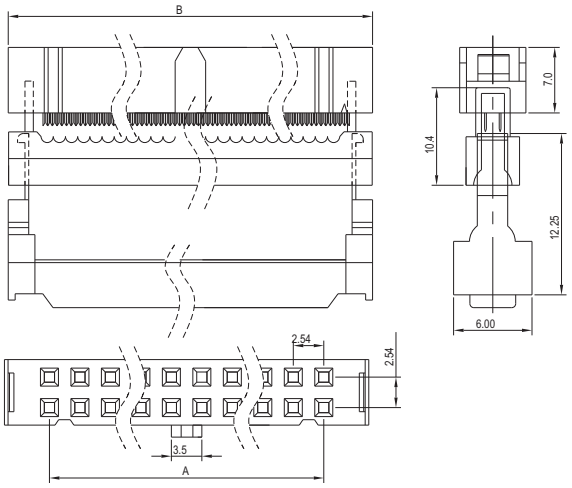
Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

IDC SOCKET 2.54mm PITCH DUAL ROW, WITH STRAIN RELIEF

P9403IDS-XX-21

No. of contacts	A	B
6	5.08	12.16
8	7.62	14.74
10	10.16	17.20
12	12.70	19.80
14	15.24	22.50
16	17.78	24.94
20	22.86	30.08
24	27.94	35.15
26	30.48	37.58
30	35.56	42.66
34	40.64	47.80
40	48.26	55.42
44	53.34	60.56
50	60.96	68.28
56	68.58	75.74
60	73.66	80.96
62	76.20	83.32
64	78.74	85.94





2.00MM(0.079") PITCH PIN HEADERS

P911 Series

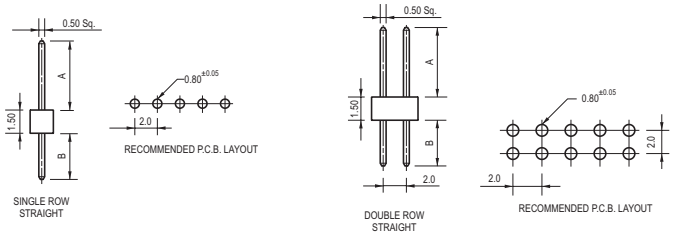
Specifications

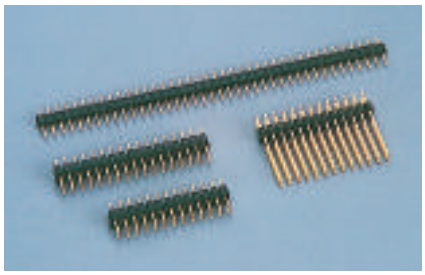
Current Rating	:	1A
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC
Temperature Range	:	-40°C to +105°C
Retention Force	:	0.8Kg min.

Material & Finish

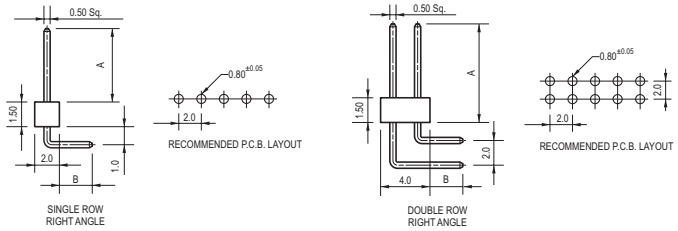
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

2.00mm Pitch(0.079") Pin Header Single Row/Double Row Straight — P9111 / P9113



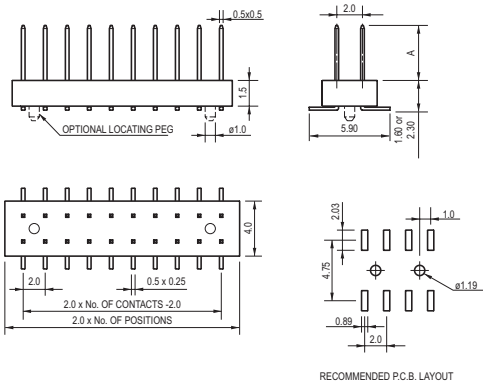


2.00mm Pitch(0.079") Pin Header Single Row/Double Row Right Angle — P9112 / P9114



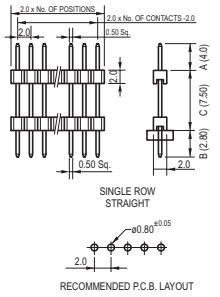


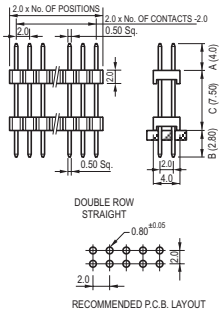
2.00mm Pitch(0.079") Pin Header Surface Mount Double Row — P9115

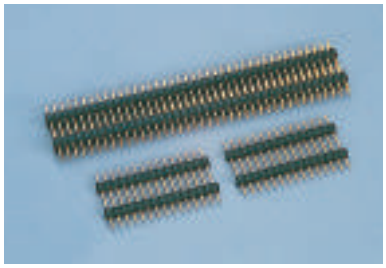




2.00mm Pitch(0.079") Pin Header Basic Stack Type Single Row/Double Row P9119 & P9118







ORDERING INFORMATION

P911XXXXXXX-X

Series	X Type of Row	X Profile	XX Number of Contacts	X PCB -PCB	XX A/B	X Plating
P911	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T 4=Double Row R/A 5=Surface Mount DR → 8=Basic Stack Type DR S/T 9=Basic Stack Type SR S/T	"–" =Std 1.5mm A=2.0mm "–" =Std 1.5mm With Alignment pin A=2.0 mm W/o Alignment pin B=1.5mm without Alignment pin C=2.0mm with Alignment pin D=3.0mm	02 to 40 For Single Row 04 to 80 For Double Row	Specify Length (Applicable For type of row 8 & 9 only) Otherwise indicate as "–"	01=3.2/2.8 02=3.2/3.5 13=4.0/13.5 11=4.0/2.8 15=4.0/2.4 For Others Specify A & B Dim.	1=Gold Flash 2=0.75μ Gold 3=Gold Flash on Contact Side & Tin on Solder Side 4=5μ Tin

Note : For Surface Mount Type, Specify Above/Below Length (End to End)

2.00MM (0.079") PITCH BOX HEADER

P961 Series

Specifications

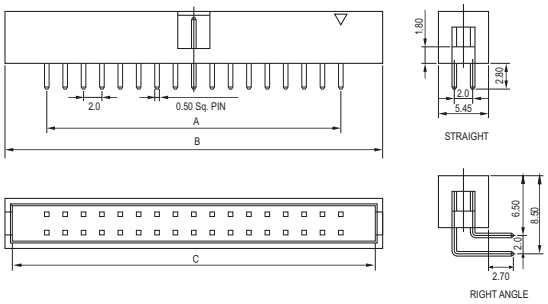
Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500VAC
Temperature Range	:	-40°C to +105°C

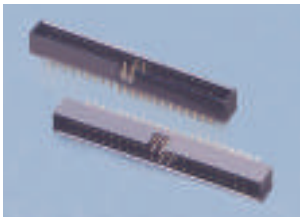
Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL 94V-0

2.00mm (0.079") Pitch Box Header Double Row (Straight & Right Angle) — P9613 & P9614

Pins	Dim. A	Dim. B	Dim. C
08	6.00	15.20	14.0
10	8.00	17.10	16.0
12	10.00	19.10	18.0
14	12.00	21.10	20.0
16	14.00	23.10	22.0
20	18.00	27.10	26.0
22	20.00	29.10	28.0
24	22.00	31.10	30.0
26	24.00	33.10	32.0
30	28.00	37.10	36.0
32	30.00	39.10	38.0
34	30.00	41.10	40.0
36	34.00	43.10	42.0
40	38.00	47.00	46.0
44	42.00	51.00	50.0
50	48.00	57.10	56.0
60	58.00	67.10	66.0
64	62.00	70.10	70.0

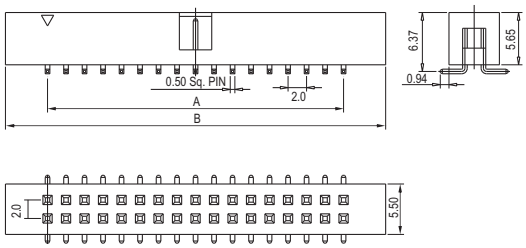


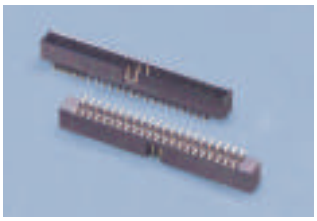




2.00mm (0.079") Pitch Box Header Double Row Surface Mount — P9615

For Dim A & Dim B refer above table





ORDERING INFORMATION

P961X-XX-81-X

X	XX	X
Series	Type of Row	Number of Contacts	Plating
P961	3=Double Row S/T 4=Double Row R/A 5=Double Row SMT	08, 10, 12, 14, 16, 20 22, 24, 26, 30, 32 34, 36, 40, 44, 50 60, 64, 68	1=Gold Flash 2=0.75μ Gold 4=5μ Tin 6=Gold flash on contact side & Tin on solder side

Note: For female headers with notch, contact factory.

2.00MM(0.079") PITCH DIP PLUG

P9413IDS Series

Specifications

Current Rating	:	1A
Contact Resistance	:	20m Ohms Max
Insulation Resistance	:	5000 Mohms Min
Dieelectric Withstanding	:	500V AC
Temperature Range	:	-40°C To +105°C
Insertion Force	:	0.7N Avg.
Withdrawal Force	:	0.5N Avg.
Mechanical Life	:	100 Cycles Min.

Material & Finish

Insulator Body	:	Glass Filled Polyester, UL94V-0
Contact	:	Copper Alloy, Tin Plated

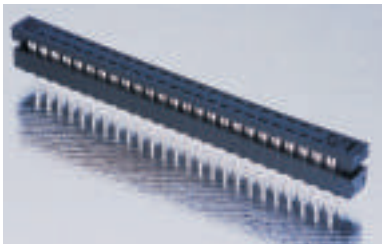
2.0mm Pitch DIP Plug

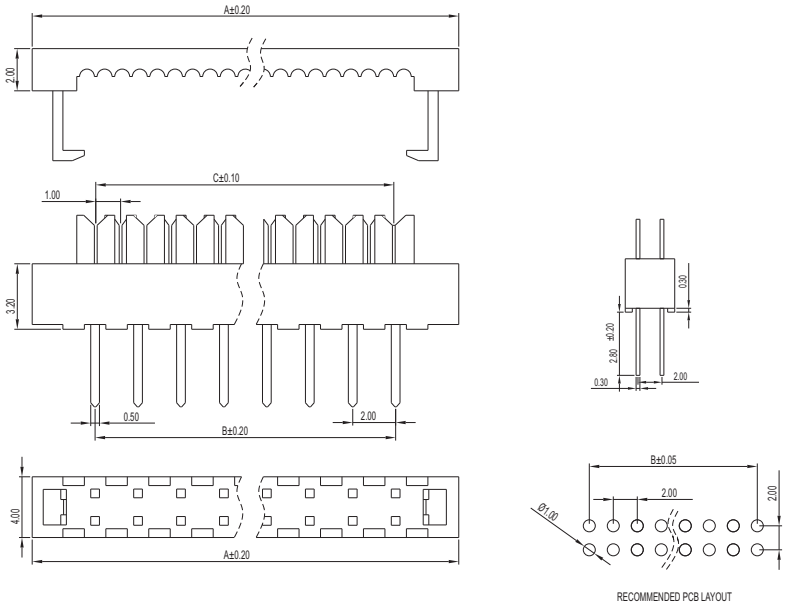
P9413IDSA-XX-24

No.of Contacts
08 to 34

No of Contacts	Dimensions		
	A	B	C
8	12.10	6.00	7.00
10	14.10	8.00	9.00
12	16.10	10.00	11.00
14	18.10	12.00	13.00
16	20.10	14.00	15.00
18	22.10	16.00	17.00
20	24.10	18.00	19.00
22	26.10	20.00	21.00
24	28.10	22.00	23.00
26	30.10	24.00	25.00
28	32.10	26.00	27.00
30	34.10	28.00	29.00
32	36.10	30.00	31.00
34	38.10	32.00	33.00

No of Contacts	Dimensions		
	A	B	C
36	40.10	34.00	35.00
38	42.10	36.00	37.00
40	44.10	38.00	39.00
42	46.10	40.00	41.00
44	48.10	42.00	43.00
46	50.10	44.00	45.00
48	52.10	46.00	47.00
50	54.10	48.00	49.00
52	56.10	50.00	51.00
54	58.10	52.00	53.00
56	60.10	54.00	55.00
58	62.10	56.00	57.00
60	64.10	58.00	59.00





RECOMMENDED PCB LAYOUT

2.00mm(0.079") PITCH MINI JUMPER P921 Series

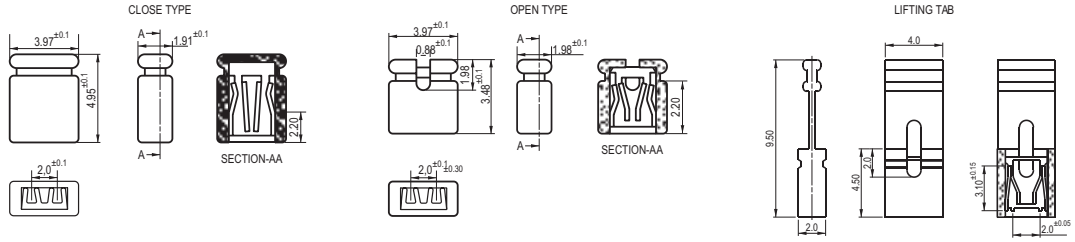
Specifications

Current Rating	:	3A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	500VAC for 1 min.
Temperature Range	:	-40°C to +105°C



Material & Finish

Contact	:	Phosphor Bronze, Gold Plated
Insulator	:	Glass Filled Thermoplastic Polyester



ORDERING INFORMATION

P921X-XX-XX

	X	XX	XX
Series	Type of Insulator	Colour of Insulator	Plating
P921	1=Close Type 2=Open Type 3=Lifting tab	50=Black 52=Red 56=Blue	21=Gold Flash 22=0.75μ Gold

Note: For lifting tab, only black and blue colour available

2.00MM(0.079") PITCH FEMALE HEADERS (FORMED CONTACTS)

P941Series

Specifications

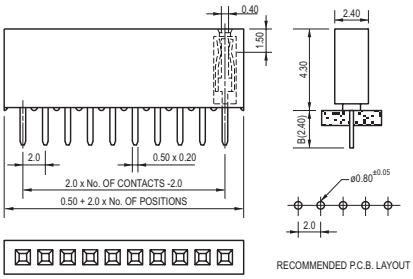
Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC
Temperature Range	:	-40°C to +105°C
Insertion Force/Contact	:	0.07Kg Avg
Extraction Force/Contact	:	0.05Kg Avg
Mechanical Life	:	100 Cycles min.

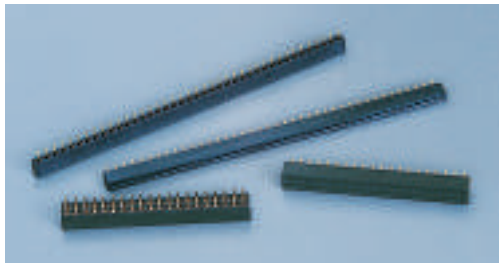
Material & Finish

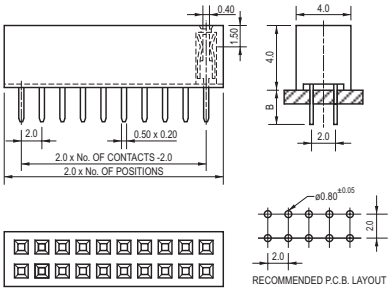
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL-94V-0

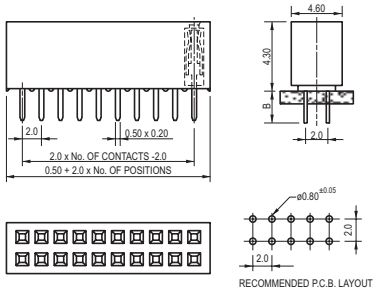
2.00mm(0.079") Pitch Female Header Single Row/Double Row Straight Profile: 4.0mm & 4.3mm

P9411 / P9413



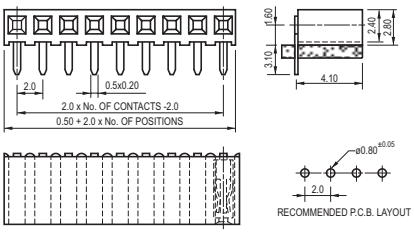


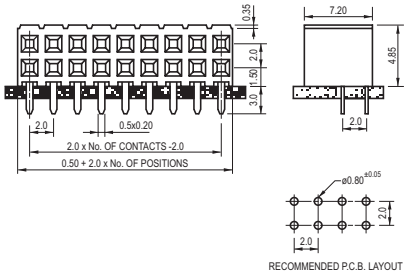




2.00mm(0.079") Pitch Female Headers Single Row/Double Row Right Angle Profile: 4.3mm & 4.85mm

P9412 / P9414

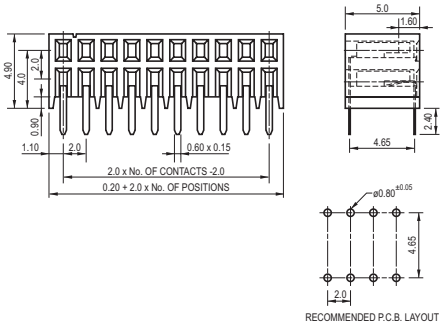


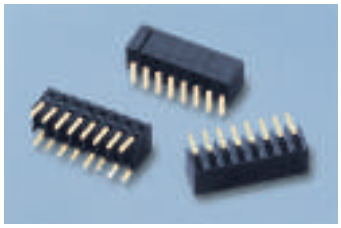




2.00mm(0.079") Pitch Female Header Side Entry Double Row with Polarization

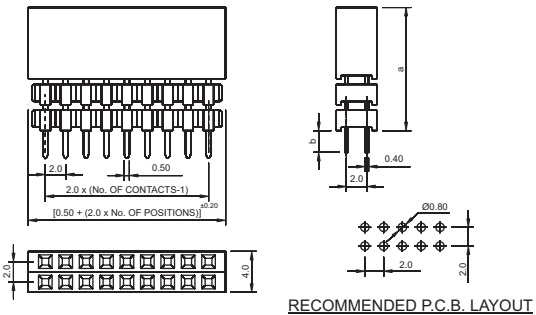
P9417





2.00mm Pitch(0.079") Female Header Elevated Type / Double Row

P941D





Note: customized elevated available

ORDERING INFORMATION

P941X X XX X XX

Series	X Type of Row	X Profile	XX Number of Contacts	X Tail Option	XX Plating
P941	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T 4=Double Row R/A	- =Std 4.0mm A=4.3mm B=4.85mm (Applicable to Type of row 04 only) C=6.35mm	04 to 40 For Single Row 04 t0 80 For Double Row	For Straight - =Std 2.4mm 1=1.2mm 2=3.2mm For Right Angle - =Std 3.0mm (Applicable to Type of row 04 only) - = Std=2.4mm	21=Gold Flash 22=5μ Tin 23=Gold Flash On Contact Side & Tin On Solder Side
	7=Double Row Side Entry	- =Std 4.9mm			
	D=Double Row Elevated Type	→ 0	Elevated Type XX No. Of Contacts 02 to 80	A/B (Elevated) B= 8.30/3.28mm C=10.30/3.15mm D=12.30/3.20mm E= 9.0/2.28mm F= 11.0/2.28mm G= 9.35/2.28mm I= 7.80/4.0mm J=12.70/8.90mm	

2.00MM(0.079") PITCH FEMALE HEADER
4.0 MM BASE WITH POLARISATION PAD

P9713 Series

Specifications

Current Rating	: 1 A
Contact Resistance	: 20mΩ max.
Insulation Resistance	: 5000MΩ min.
Dielectric Voltage	: 500V AC for 1 minute
Temperature Range	: -40°C To +105°C

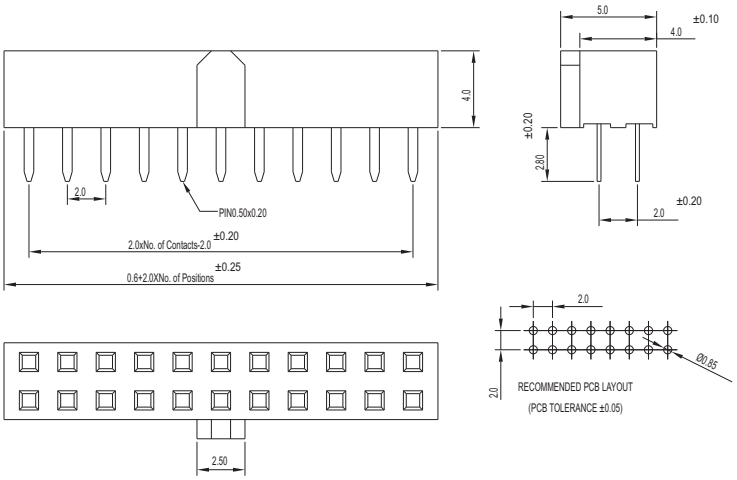
Material & Finish

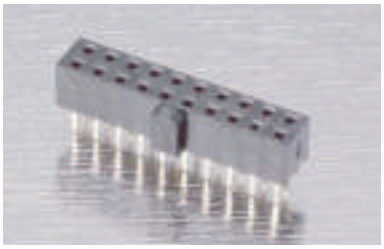
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

Double Row Straight

P9713-XX-21

No.of Contacts
022 to 40





2.00MM (0.079") PITCH FEMALE HEADERS (FORMED CONTACTS) SURFACE MOUNT

P9415 & P9416 Series

Specifications

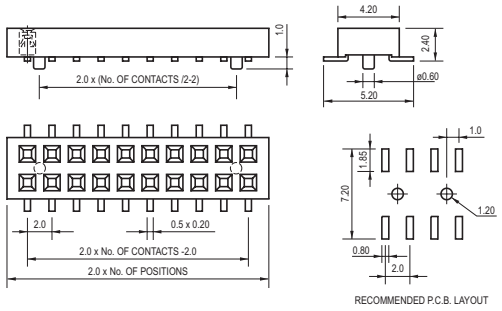
Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC
Temperature Range	:	-40°C to +105°C
Insertion Force/Contact	:	0.07Kg Avg
Extraction Force/Contact	:	0.05Kg Avg
Mechanical Life	:	100 Cycles min.

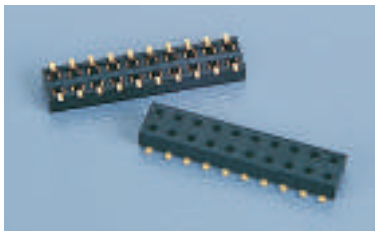
Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL-94V-0

2.00mm(0.079") Pitch Female Header Double Row Surface Mount 2.4mm Base

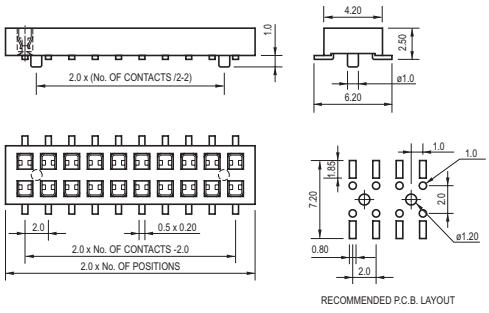
P9415

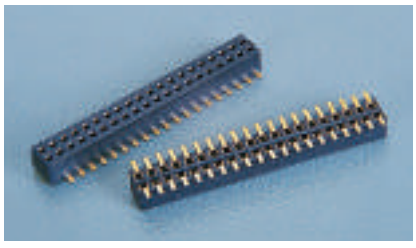




2.00mm(0.079") Pitch Female Header Double Row Surface Mount 2.5mm Base Bottom Entry

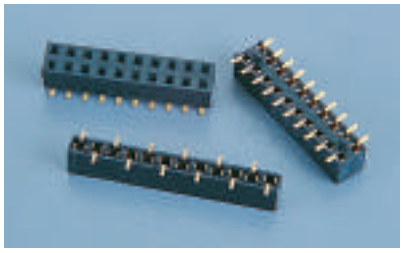
P9415A

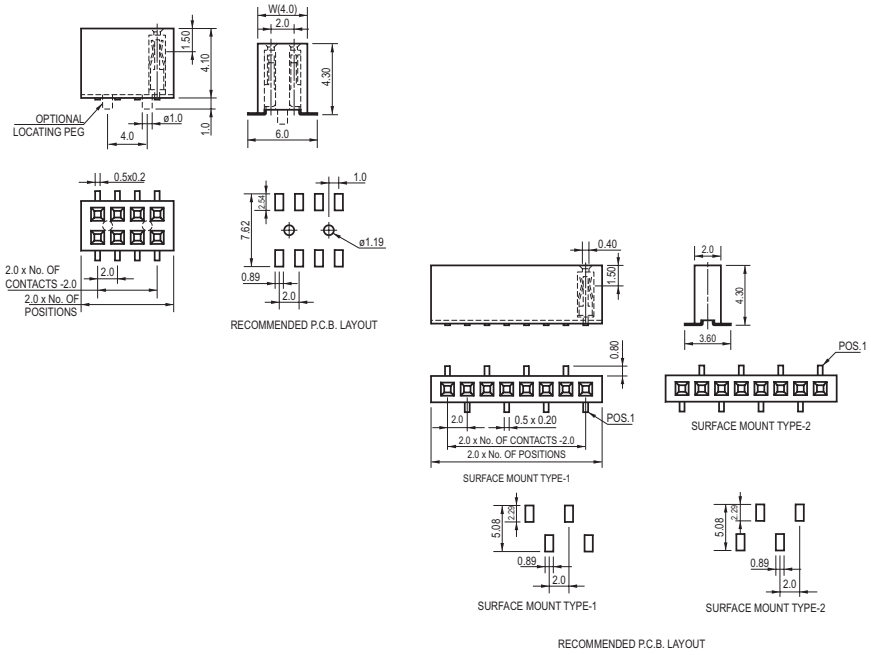




2.00mm(0.079") Pitch Female Header Single Row/Double Row Surface Mount
4.3mm Base

P9415B & P9416





ORDERING INFORMATION

P941XXXX-XX

Series	X Type of Row	X Profile	XX Number of Contacts	XX Plating
P941	5=Surface Mount DR 6=Surface Mount SR	"–" =Std 2.2mm A=2.5mm Bottom Entry with Alignment B=4.3mm C=2.5mm Bottom Entry without alignment D=2.2mm with Alignment pin E=4.3mm with Alignment pin (Applicable to Type of row 5 only) F=9.0mm w/o alignment For Type of Row 6 only "–" =Std 4.3mm, SM1 Type A=Std 4.3mm, SM2 Type	04 to 25 For Single Row 06 to 80 For Double Row *For Bottom Entry 10 to 60	21=Gold Flash 22=0.75μ Gold 23= Gold Flash on Contact Side & Tin on Solder Side 24= 5μ Tin

PROTECTRON

2.00MM (0.079") PITCH IDC SOCKET

P9413IDS Series

Specifications

Current Rating	:	1A
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	500V AC For 1minute
Temperature Range	:	-55°C To +105°C

Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

2.00mm Pitch, IDC Socket With Strain Relief

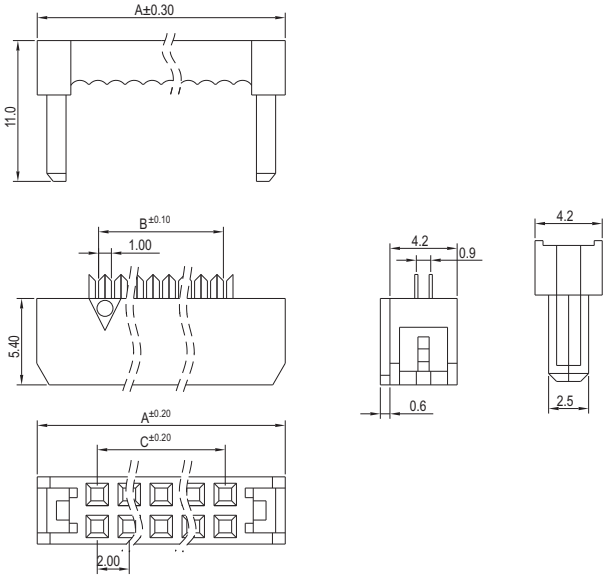
P9413IDS-XX-21

XX=NO. OF CONTACTS
06 to 100

No of Contacts	Dimensions		
	A	B	C
6	11.20	5.00	4.00
8	13.20	7.00	6.00
10	15.20	9.00	8.00
12	17.20	11.00	10.00
14	19.20	13.00	12.00
16	21.20	15.00	14.00
18	23.20	17.00	16.00
20	25.20	19.00	18.00
22	27.20	21.00	20.00
24	29.20	23.00	22.00
26	31.20	25.00	24.00
28	33.20	27.00	26.00
30	35.20	29.00	28.00
32	37.20	31.00	30.00
34	39.20	33.00	32.00

No of Contacts	Dimensions		
	A	B	C
36	41.20	35.00	34.00
38	43.20	37.00	36.00
40	45.20	39.00	38.00
44	49.20	43.00	42.00
48	53.20	47.00	46.00
50	55.20	49.00	48.00
54	59.20	53.00	52.00
56	61.20	55.00	54.00
60	65.20	59.00	58.00
62	67.20	61.00	60.00
64	69.20	63.00	62.00
68	73.20	67.00	66.00
80	85.20	79.00	78.00
100	105.20	99.00	98.00





1.27X1.27MM PITCH PIN HEADERS

P913 Series

Specifications

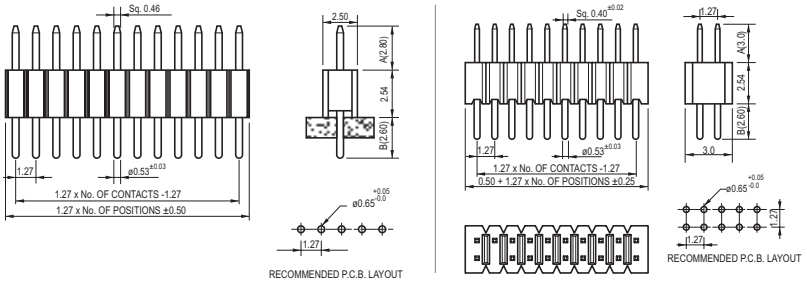
Current Rating : 1A
Insulation Resistance : 5000MΩ min.
Dielectric Withstanding : 500V AC
Temperature Range : -40°C to +105°C

Material & Finish

Contact : Copper Alloy, Gold Plated
Insulator : Polyester, UL94V-0

1.27x1.27mm Pitch Pin Header Single Row/Double Row Straight

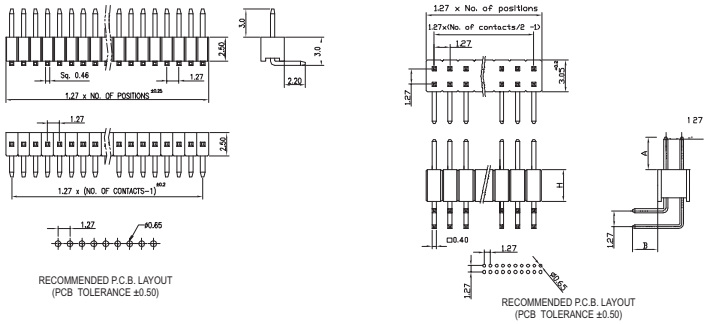
P9131 / P9133

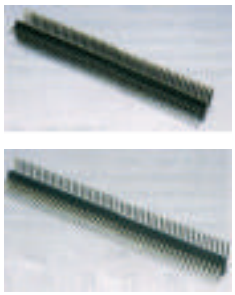




1.27x1.27mm Pitch Pin Header Single Row/Double Row Right Angle

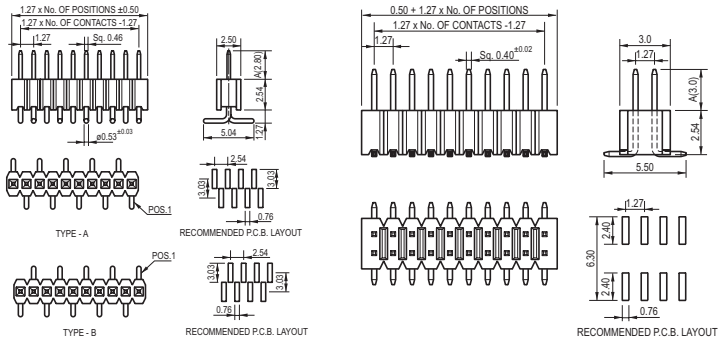
P9132 / P9134





1.27x1.27mm Pitch Pin Header Surface Mount Single Row/Double Row

P9136 / P9135





ORDERING INFORMATION

P913XXXXXXX-X

Series	X Type of Row	X Profile	XXX Number of Contacts	XX A/B	X Plating
P913	1=Single Row S/T 2=Single Row R/A 3=Double Row S/T 4=Double Row R/A 5=Surface Mount DR 6=Surface Mount SR Type A A=1.27x2.54mm B=Surface mount SR Type B	"–" =Std 2.54mm A=1.7mm, 1.5 B=3.0mm C=3.4mm D=3.95mm E=2.9mm F=2.0mm (Applicable to Type of row 1 to 6 & B only) G=1.0mm with alignment Pin H=1.15mm I=1.4mm	003 to 032 For Single Row 006 to 100 For Double Row	24=2.8/2.6 54=6.0/2.6 57=6.0/3.0 (Applicable to Type of row 1 to 3 only) 36=3.0/2.2 (For type of row 2) 35=3.0/2.3 (For type of row 4) BB=5.8/10.0 (applicable for type of Row 'A' only)	1=Gold Flash 2=0.75μ Gold 3=Gold Flash on Contact Side Tin on Solder Side 4=5μ Tin

Note: For Surface Mount Type, Specify Above/Below Length (End to End)

1.27x1.27MM PITCH BOX HEADER, 5.7MM BASE

P963 Series

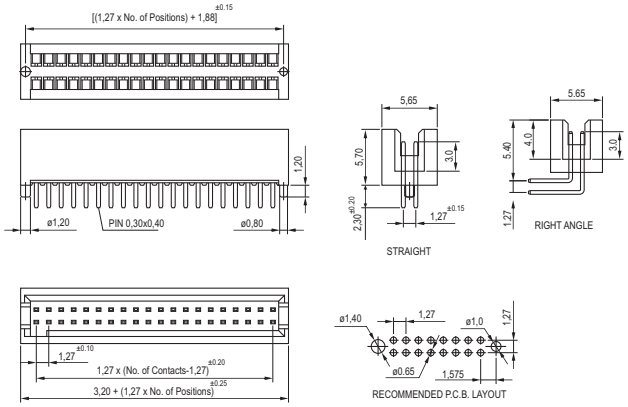
Specifications

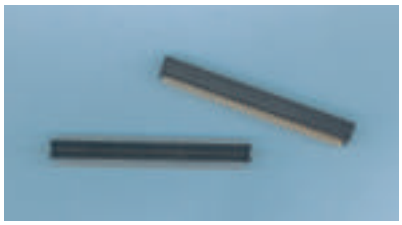
Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500VAC
Temperature Range	:	-40°C to +105°C

Material & Finish

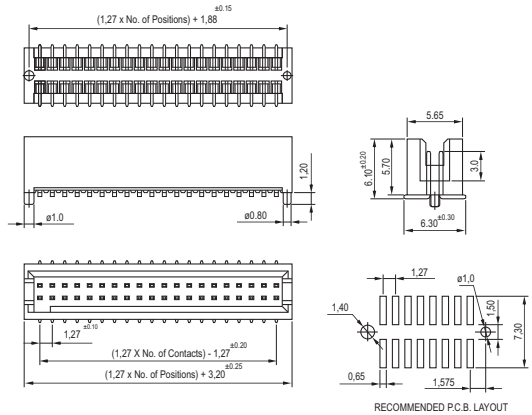
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL 94V-0

1.27x1.27mm Pitch Box Header Double Row (Straight & Right angle) — P9633 & P9634





1.27x1.27mm pitch Box Header Double Row Surface Mount — P9635





ORDERING INFORMATION

P963X-XX-35-X X

X	XX	X	X
Series	Type of Row	Number of Contacts	Plating	Alignment Option
P963	3=Double Row S/T 4=Double Row R/A 5=Double Row SMT	006-100	1= Gold Flash 2=0.75μ Gold 4=5μ Tin 6=Gold flash on contact side & Tin on solder side	'Blank' = w/o Alignment pin A=With Alignment pin

1.27x1.27MM PITCH BOX HEADER FOR IDC

P963 Series

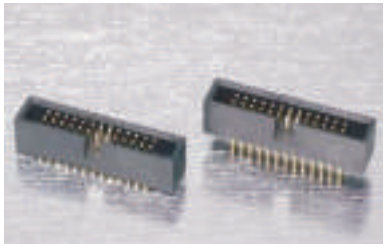
Specifications

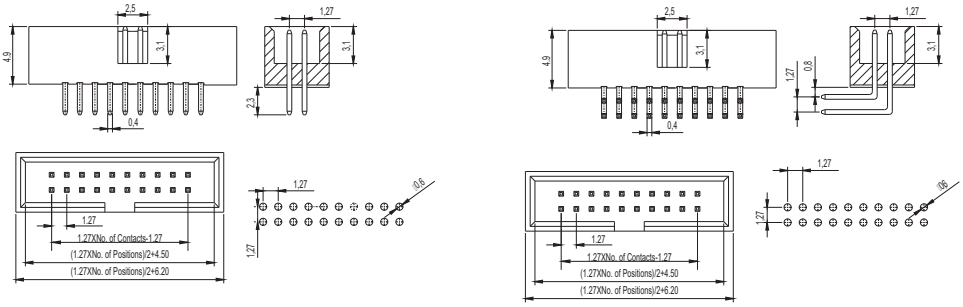
Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	500V AC for 1 minute
Temperature Range	:	-40°C to +105°C

Material & Finish

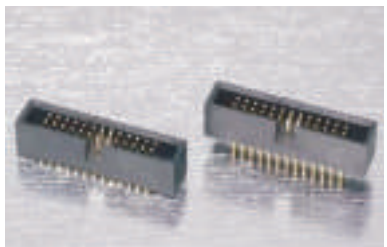
Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL 94V-0

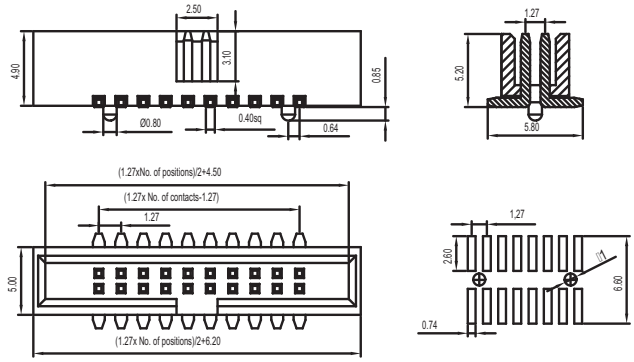
1.27x1.27mm Box Header, Dual Row (straight & Right Angle) — P9633S/ P9634S





1.27 x 1.27 mm Pitch Box Header Double Row Surface Mount — P9635S





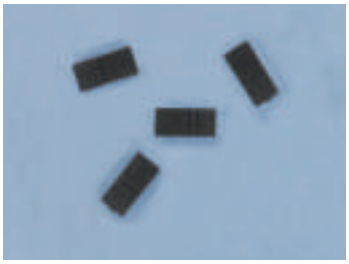
ORDERING INFORMATION

P963XSXXX-35-XX

Series	X Type of Row	XXX No. Of Contacts	X Plating	X Alignment Option
P963	3=Double Row S/T 4=Double Row R/A 5=Double Row SMT	006-100	1= Gold Flash 2=0.75μ Gold 4=5μ Tin 6=Gold flash on contact side & Tin on solder side	'Blank' = w/o Alignment pin A=With Alignment pin

1.27MM PITCH MINI JUMPER

P923 Series

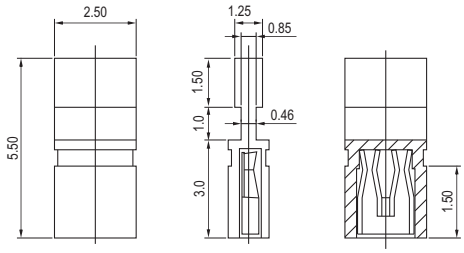


Specifications

Current Rating	:	2A
Contact Resistance	:	30mΩ max
Insulation Resistance	:	1000MΩ min
Dielectric Withstanding	:	650V AC
Temperature Range	:	-55°C to +105°C

Material & Finish

Contact	:	Phosphor Bronze, Gold Plated
Insulator	:	Glass Filled Thermoplastic Polyester, UL 94V-0



ORDERING INFORMATION

P923X-XX-2X

X	XX	X
Series	Type of Insulator	Color of the insulator	Plating
P923	1=Lifting Tab	50=Black 52=Red 56=Blue	1= Gold Flash

1.27X1.27MM PITCH FEMALE HEADERS

P943 Series

Specifications

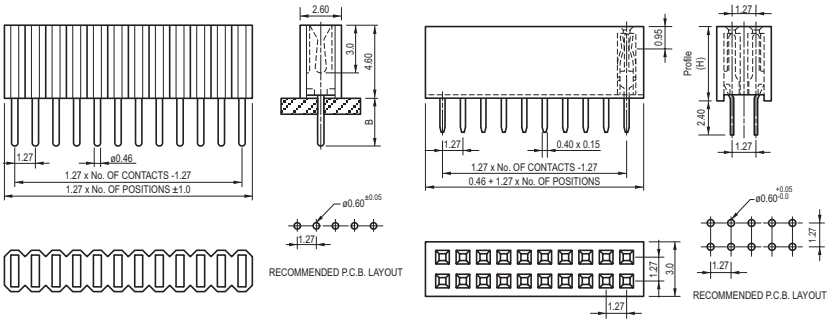
Current Rating	:	1A
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC
Temperature Range	:	-40°C to +105°C

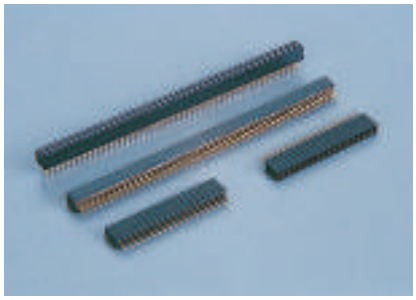
Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

1.27x1.27mm Pitch Female Header Single Row/Double Row Straight

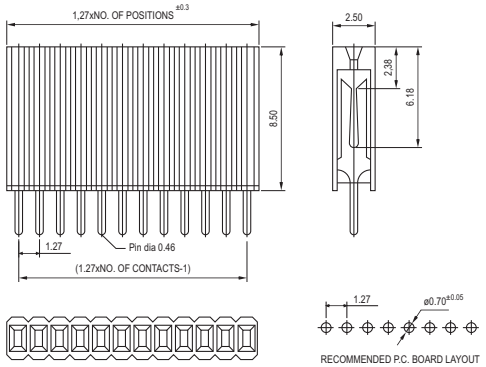
P9431 / P9433

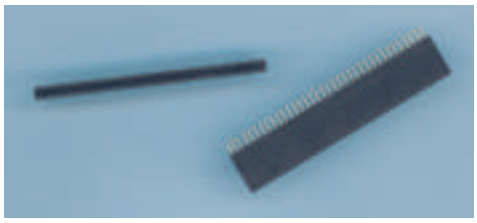




1.27mm Pitch Female Header Single Row Profile: 8.5mm

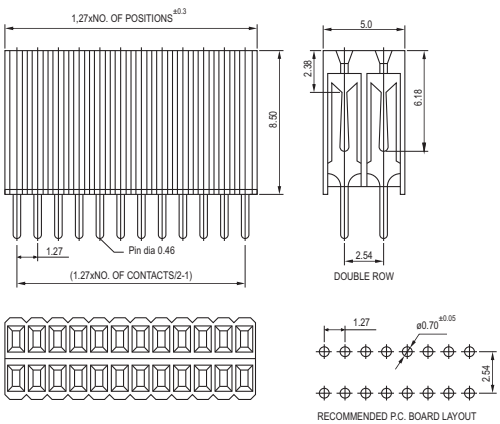
P9431D





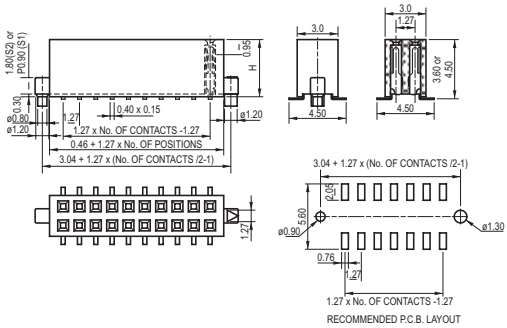
1.27x2.54mm Pitch Female Header Double Row Profile:8.5mm

P943BD





1.27x1.27mm Pitch Female Header Surface Mount Double Row — P9435



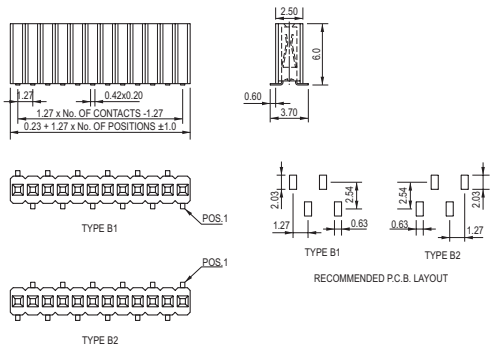


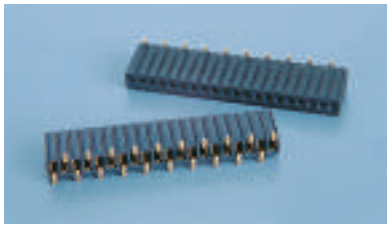
ORDERING INFORMATION

P943XXXXXX-XX

Series	X Type of Row	X Profile	XXX Number of Contacts	X Tail Length	XX Plating
P943	1=Single Row S/T 3=Double Row S/T 5=Surface Mount DR B=1.27x2.54mm Double Row s/t	For Single Row "–" =Std 4.6mm For Double Row A=3.4mm B=4.3mm D=8.5mm (for type of Row 1&B only)	006 to 040 For Single Row 006 to 100 For Double Row	For Single Row 1=1.5mm 2=2.4mm 3=3.0mm For Double Row A=With Alignment L=With Locking Clip "–" =Without Alignment 4=2.7mm (for type of Row 1&B only)	21=Gold Flash 22=0.75μ Gold 23=Gold Flash on Contact Side & Tin on Solder Side 24=5μ Tin

1.27x1.27mm Pitch Female Header Surface Mount Single Row Profile:5.8mm — P9436





ORDERING INFORMATION

P9436-XX-X-XX

Series	XX Number of Contacts	X Surface Mount Type	XX Plating
P9436 Single Row	03 to 50	1=B1 Type 2=B2 Type	21=Gold Flash 22=0.75μ Gold 23=Gold Flash on Contact side & Tin on Solder Side 24=5μ Tin

1.27X1.27MM PITCH IDC SOCKETS

P9433 IDS Series

Specifications

Current Rating	:	1A
Contact Resistance	:	20m Ω max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC
Temperature Range	:	-40°C to + 65°C

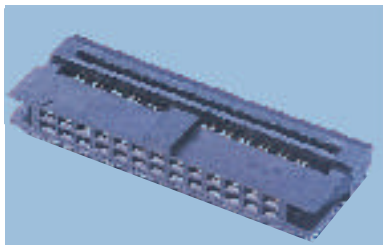
Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

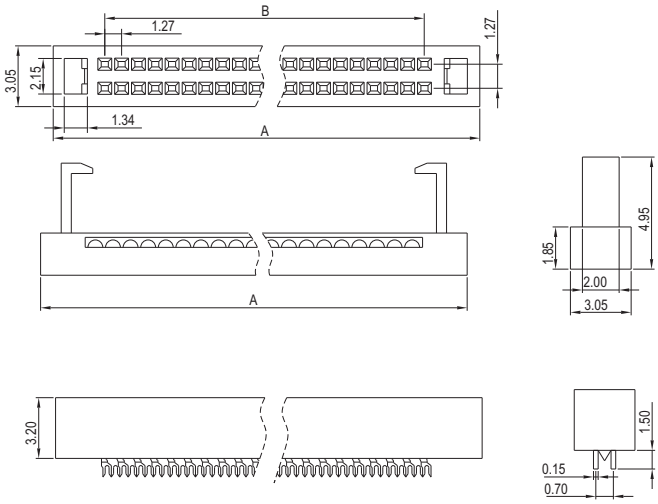
1.27X1.27mm PITCH IDC SOCKET WITH STRAIN RELIEF

P9433IDSXXX-21

XXX=No. Of Contacts

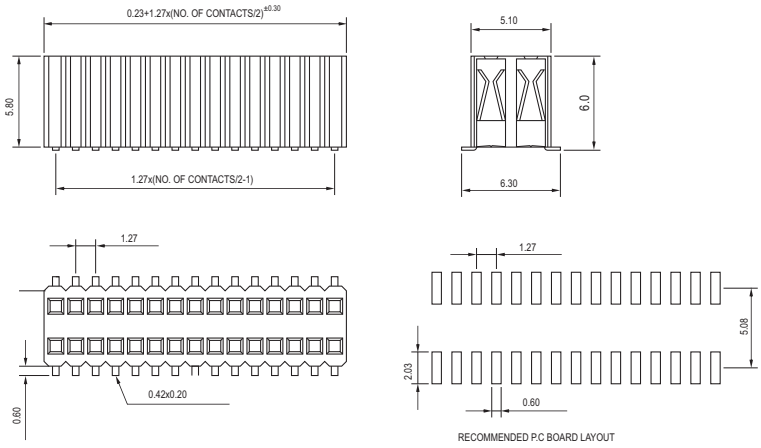


No of Contacts	Dimensions	
	A	B
10	10.54	5.08
12	11.81	6.35
20	16.89	11.43
26	20.70	15.24
30	23.24	17.78
34	25.78	20.32
40	29.59	24.13
44	32.13	26.67
50	35.94	30.48
60	42.29	36.83
68	47.37	41.91
80	54.99	49.53



1.27x2.54MM PITCH FEMALE HEADER DOUBLE ROW SURFACE MOUNT 5.8MM BASE

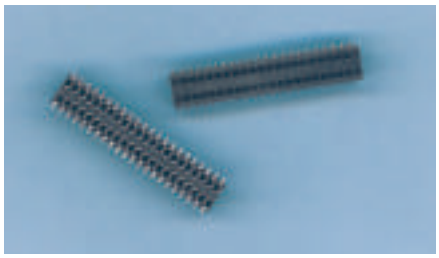
P943 Series



P943A-XXX-21

No. of Contacts
006 to 100

Gold Flash



1.0MM PITCH PIN HEADERS

P914 Series

Specifications

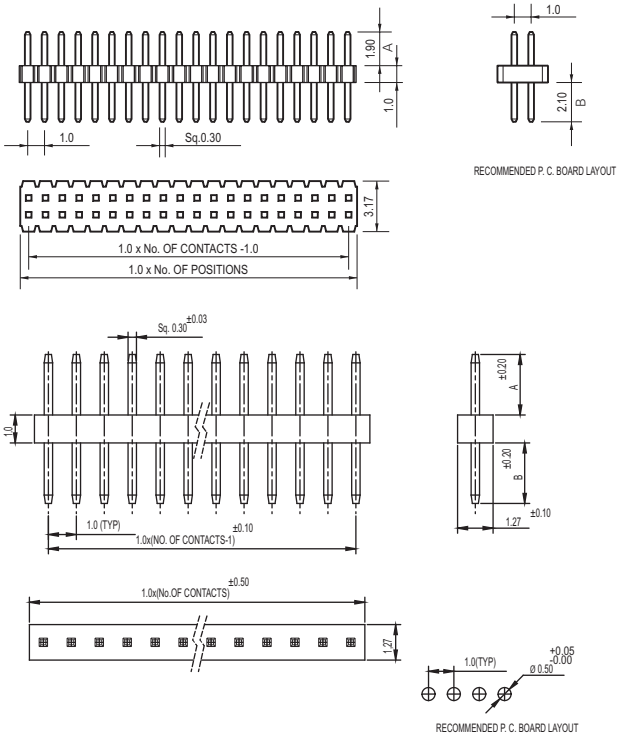
Current Rating	:	1A
Contact Resistance	:	40mΩ max.
Insulation Resistance	:	5000MΩ min.At 500V
Dielectric Withstanding	:	500V AC at 1 Minute
Temperature Range	:	-40°C to +105°C

Material & Finish

Contact: Copper Alloy, Gold Plated
Insulator: Polyester, UL94V-0

1.0mm Pitch Pin Header Double Row Straight

P9141/ P9143







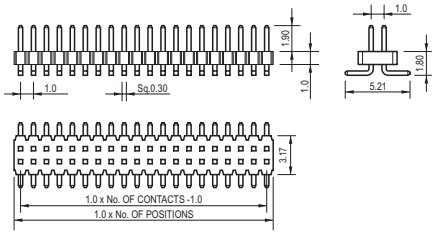
ORDERING INFORMATION

P914X-XXXXX-X

	X	XXX	XX	XX
Series	Type of Row	No. Of Contacts	A/B	Plating
P914	1= Single Row	002 - 050	66= 2.00/2.00	21=Gold Flash
	3= Double Row	For Single Row	6J = 2.00/1.20	23=Gold Flash on Contact side &
		002 - 100	DA= 6.60/3.30	Tin on Solder Side
		For Double Row		

1.0mm Pitch Pin Header Surface Mount Double Row

P9145-XXX62-X





No. of Contacts:
010 to 120
Plating:
1=Gold Flash
3=Gold Flash on
Contact Side &
Tin on Solder Side
4=5μ Tin

1.0MM PITCH FEMALE HEADERS

P944 Series

Specifications

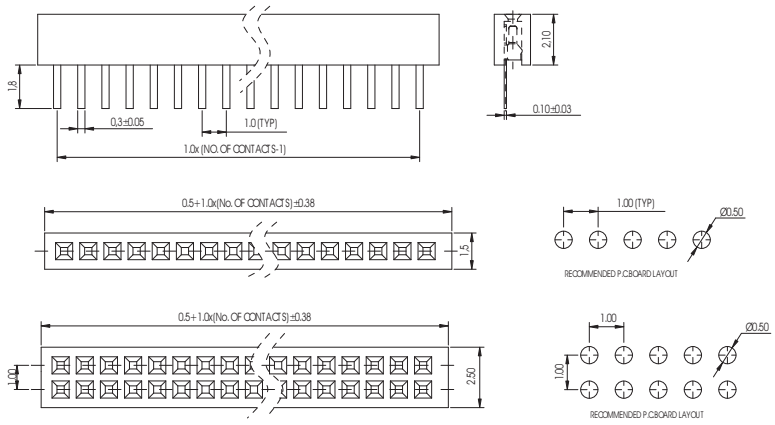
Current Rating	:	1A
Contact Resistance	:	40mΩ max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC for 1 minute
Temperature Range	:	-40°C to +105°C

Material & Finish

Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

1.0 mm Pitch Pin Female Header Single Row & Double Row Straight

P9441/ 9443



ORDERING INFORMATION

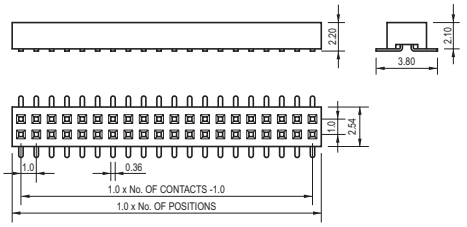
P944X-XXX-21

X — XX

Series	Type of Row	Number of Contacts
P944	1= Single Row 3= Double Row	002-050 For Single Row 002-100 For Double Row

1.0mm Pitch Female Header Surface Mount Double Row

P9445-XXX-XX





No. of Contacts:
010 to 120
Plating:
21=Gold Flash
23=Gold Flash on Contact Side & Tin on Solder Side
24=5μ Tin

0.8MM PITCH PIN HEADER/ FEMALE HEADER

P915 Series

Specifications

Current Rating	:	1A
Contact Resistance	:	15m Ω max.
Insulation Resistance	:	5000MΩ min.
Dielectric Withstanding	:	500V AC for 1 minute
Temperature Range	:	-40°C To +105°C

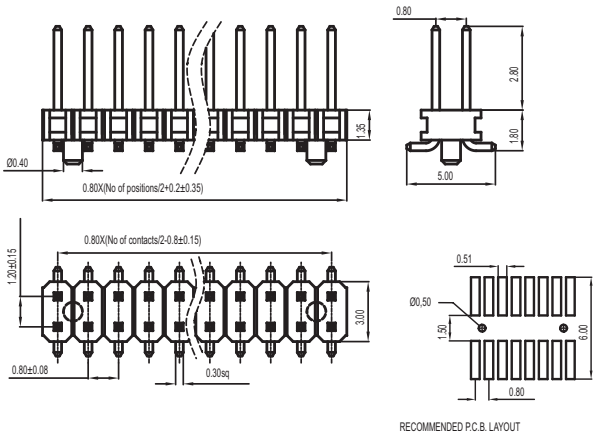
Material & Finish :

Crimp Contact	:	Copper Alloy, Gold Plated
Insulator	:	Polyester, UL94V-0

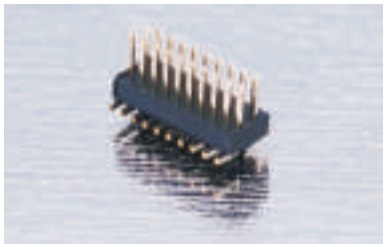
0.8mm Pitch Pin Header Surface Mount, Double Row

P9157-XXX2F-1

No. of Contacts:
04-80



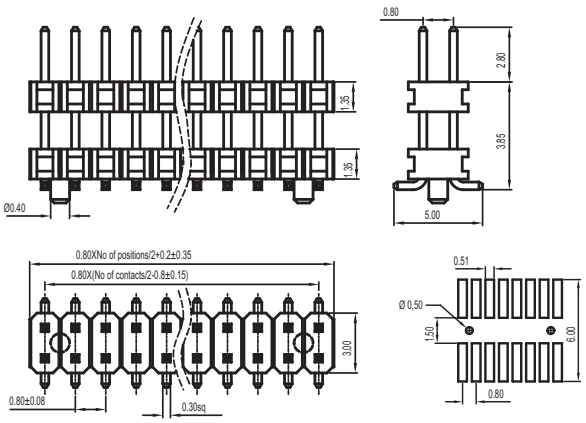
RECOMMENDED P.C.B. LAYOUT



0.8mm Pitch Pin Header Surface Mount, Double Row

P915C-XXXP2F-1

No. of Contacts:
04-80



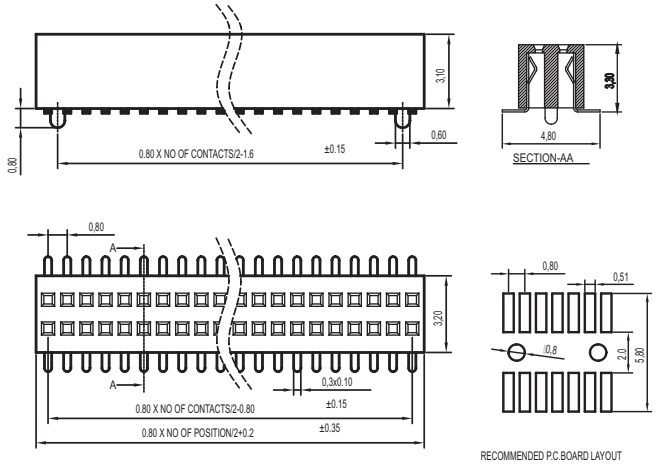
RECOMMENDED P.C.B. LAYOUT



0.8mm Pitch Pin Female Header Surface Mount, Double Row

P9457-XXX-21

No. of Contacts:
04-80



RECOMMENDED P.C.BOARD LAYOUT



0.8MM PITCH PIN HEADER/FEMALE HEADER DOCKING TYPE

P9155-XXX 83-1

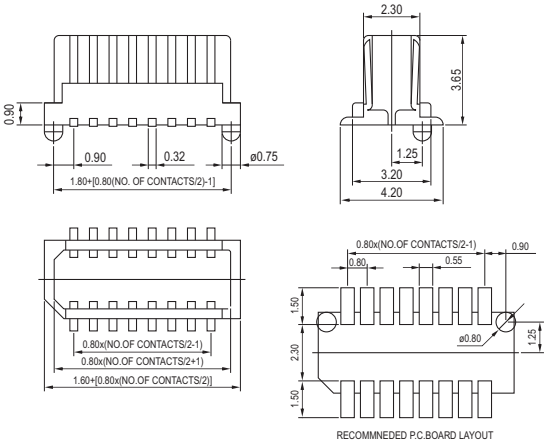
No. of Contacts
020 to 100
Plating:
1=Gold Flash

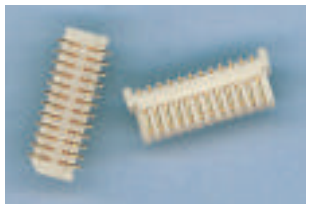
Specifications

Current Rating	:	0.5A
Contact Resistance	:	40mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	500V AC for 1 min.
Temperature Range	:	-20°C to +105°C

Material & Finish

Contact	:	Copper Alloy
Insulator	:	Nylon 6T/LCP, UL94V-0



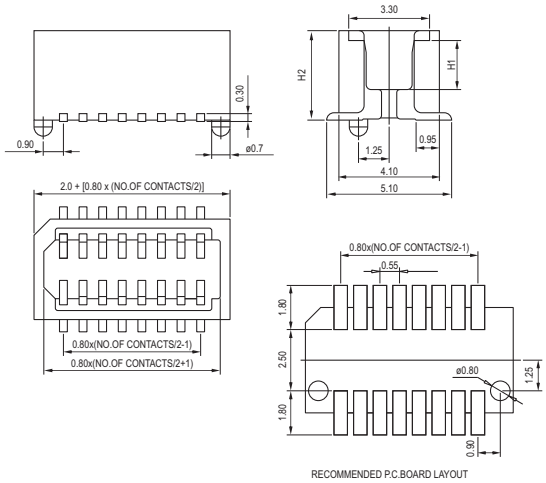


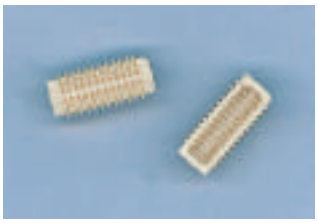
0.8mm Pitch Female Header Surface Mount, Double Row

P9455 Series

Same as P9155 Series

H1	H2
2.0	3.65
3.50	5.15
3.50	5.50
4.50	6.15





ORDERING INFORMATION

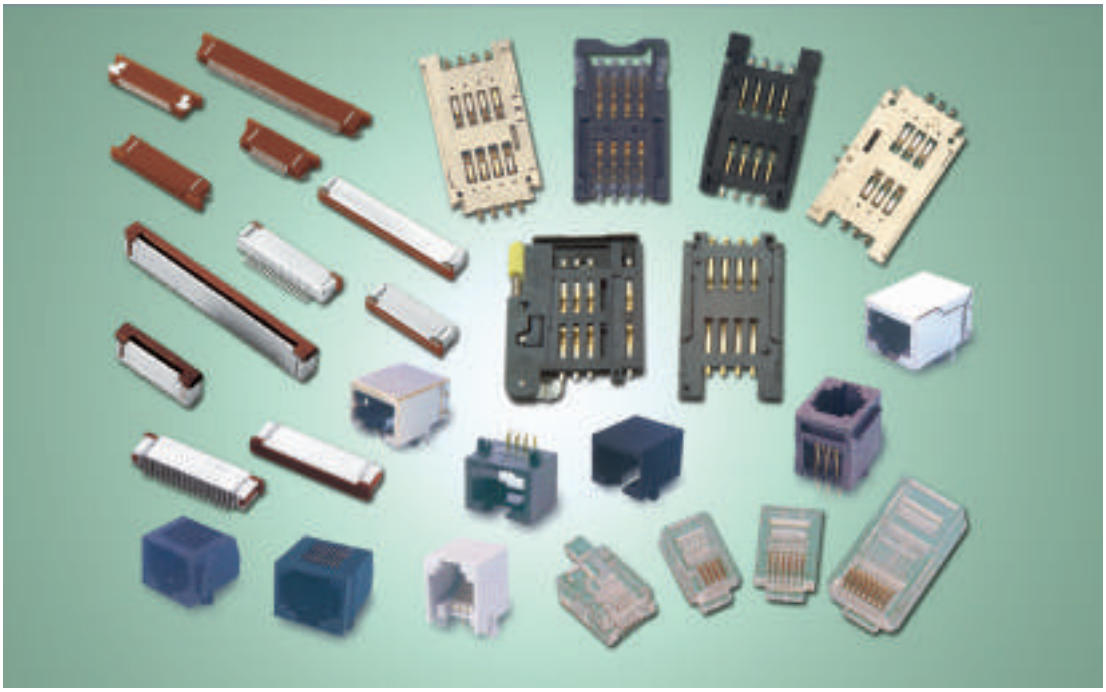
P9455 X XX-21

	X	XX	21
Series	Profile (H2)	No. of contacts	Plating
P945	A=3.65mm B=5.15mm C=5.5mm D=6.15mm	020 to 100	1= Gold Flash

Note: For 0.5mm, 0.4mm,0.3mm pitch connectors, contact factory

PROTECTRON

FPC, SIM CARD HOLDERS & MODULAR JACKS & PLUGS



1.0MM PITCH FPC CONNECTORS

P7045 Series

Specifications

Voltage Rating	:	50V DC
Current Rating	:	0.5A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	100MΩ min.
Dielectric Withstanding	:	500VAC for 1 min.
Temperature Range	:	-20°C to +85°C

Material & Finish

Contact	:	Phosphor Bronze, Gold/Tin Plated
Insulator	:	Nylon
Actuator	:	PPS

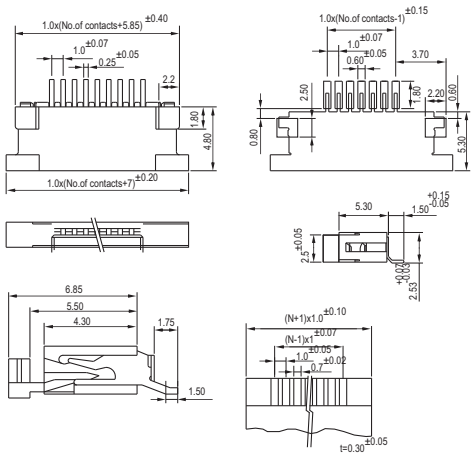
ORDERING INFORMATION

P7045X2CX2XXX-X

X	2C	X	2	X	XX	X
Series	Mounting Type	Actuator Colour	Plating	No. of Contacts	Packaging Type
P7045	T= Top Contact B= Bottom Contact V=Vertical Contact	0=Black 1=Brown	1=Gold Flash 4=5μ Tin	03 to 32	T=Tube R=Tape & Reel

Horizontal Type Top Contact

P7045T

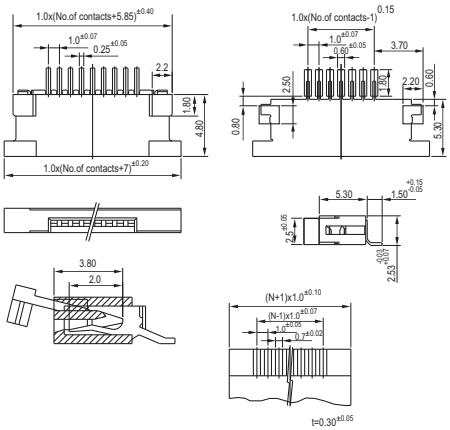




Horizontal Type Bottom Contact

P7045B

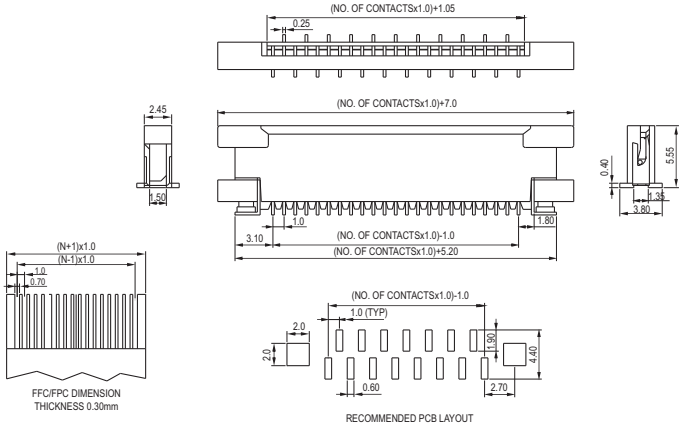




Vertical Type (Contact)

P7045V





Flat Cable for 1.0mm Pitch FPC connectors

P704C-XX-1-X

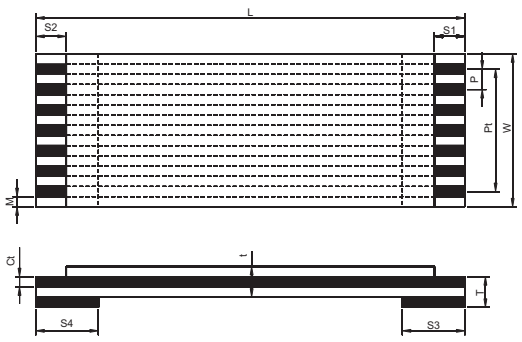
Description	ABBR.	Formulation
Pitch	P	1.0
Total Length	Pt	Px(n - 1)
Width	W	Px(n + 1)
Margin	M	P-(Cw x ½)
Conduct Width	Cw	0.6
Conduct Thickness	Ct	Typical
Total (cable) Length	L	Typical
Strip Length	S1/S2	4/4
Support Tape Length	S3/S4	8/8
Terminal Thickness	T	0.3

No. of Pins
04 to 50

Type of
conduct position
1. Contacts on same sides
2. Contacts on alternate sides
3. One end Mating &
Other End Solder Type
4. Both sides solder type

Cable length

n-No. of conducts





0.5MM PITCH FPC CONNECTORS

P7065 Series

Specifications

Voltage Rating	:	25V DC
Current Rating	:	0.3A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	100MΩ min.
Dielectric Withstanding	:	500VAC rms. for 1 min.
Temperature Range	:	-25°C to +85°C

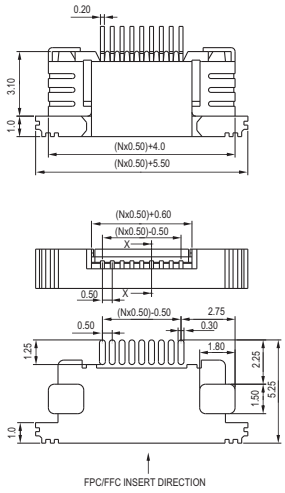
Material & Finish

Contact	:	Copper Alloy, Tin Plated
Insulator	:	Heat Resistance Plastic (UL94V-0)
		Nylon Resin, Brown
Actuator	:	Heat Resistance Plastic (UL94V-0), Brown

0.5mm Pitch Horizontal Type Top Contact

P7065T21-24XX-X

No. of Pins
04 to 50
Packaging Type
T: Tube R: Reel

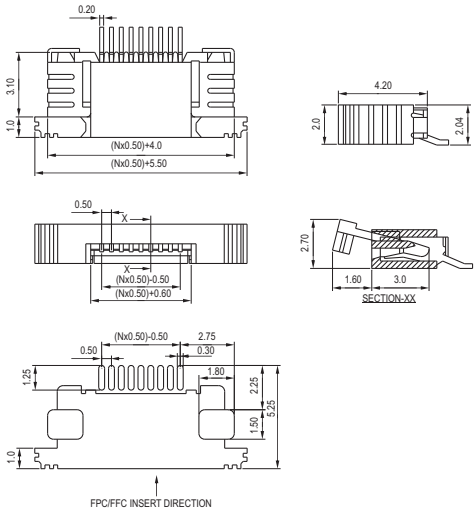




0.5mm Pitch Horizontal Type Bottom Contact

P7065B21-24XX-X

No. of Pins
04 to 50
Packaging Type
T: Tube R: Reel



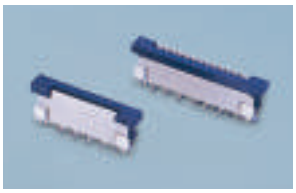


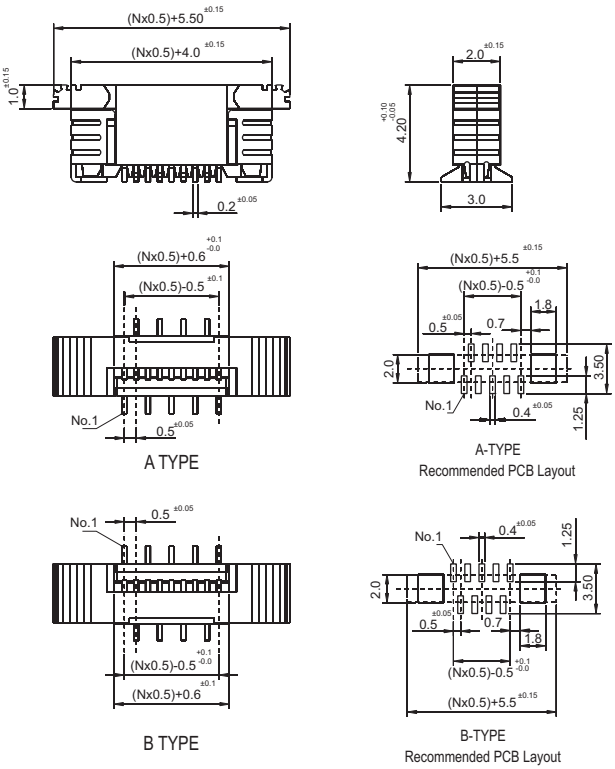
0.5mm Pitch Vertical Type Contact

P7065V2124XX XT

No. of pins
04-50

Mounting Option
A=A type
B=B type





Flat Cable for 0.50mm Pitch FPC Connectors

P706C-XX-1-X-X

Description	ABBR.	Formulation
Pitch	P	0.5
Total Length	Pt	Px(n - 1)
Width	W	Px(n + 1)
Margin	M	P-(Cw x ½)
Conduct Width	Cw	0.3
Conduct Thickness	Ct	Typical
Total (cable) Length	L	Typical
Strip Length	S1/S2	4/4
Support Tape Length	S3/S4	8/8
Terminal Thickness	T	0.3

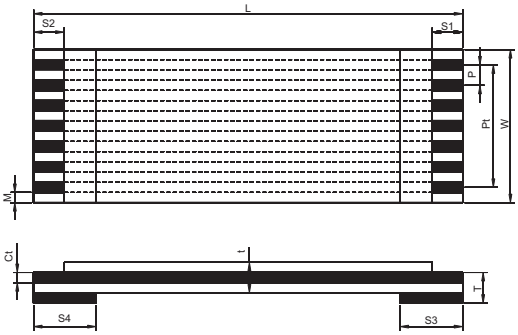
n = No. of conducts

No. of Pins
04 to 50

Type of
conduct position
1. Contacts on same sides
2. Contacts on alternate sides
3. One end Mating &
Other End Solder Type
4. Both sides solder type

Cable length





PROTECTRON

1.0MM PITCH FPC CONNECTORS ZIF DIP TYPE

P704 Series

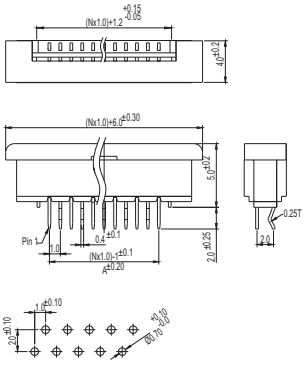
Specifications

Current Rating	:	0.5A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	50MΩ min.
Dielectric Withstanding	:	250VAC for 1 min.
Temperature Range	:	-20°C to +85°C

Material & Finish

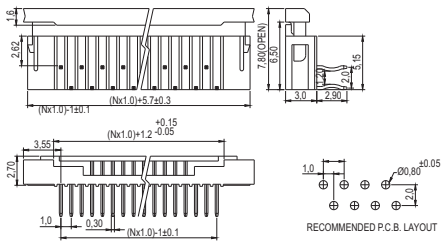
Contact	:	Copper Alloy, Tin Plated
Insulator	:	Polyester, UL94V-0/ Nylon 46

ZIF Dip Type Top Entry — P7043T





ZIF Dip Type Side Entry — P7044





ORDERING INFORMATION

P704X2C024XX-T

X	XX	24	XX
Series	Mounting Type	Plating	No.of Contacts
P704	3T=Dip Top Entry 4= DIP Side Entry	24= Tin Plated	04 to 32

1.0MM PITCH FPC CONNECTORS NON-ZIF DIP TYPE

P704 Series

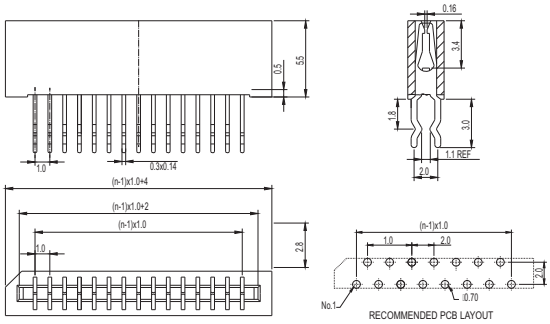
Specifications

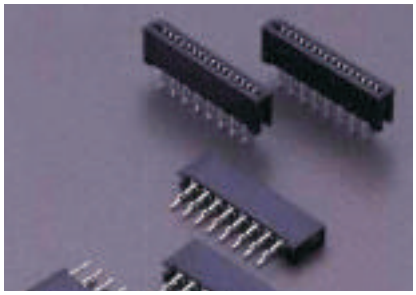
Current Rating	:	0.5A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	50MΩ min.
Dielectric Withstanding	:	250VAC for 1 min.
Temperature Range	:	-20°C to +85°C

Material & Finish

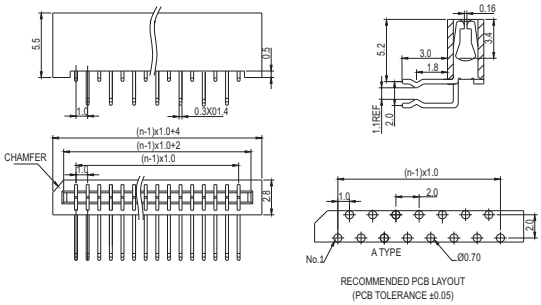
Contact	:	Copper Alloy, Tin Plated
Insulator	:	Polyester, UL94V-0/ PBT

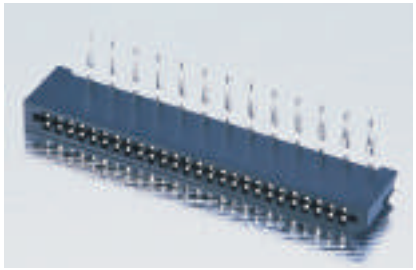
NON-ZIF Dip Type Top Entry — P7043A





NON-ZIF Dip Type Top Entry — P7044A





ORDERING INFORMATION

P704XAXX-24

X	XX	XX	
Series	Mounting Type	No.of Contacts	Plating
P704	3=Dip Top Entry 4=Dip Side Entry	04 to 32	24=Tin Plated

1.25MM PITCH FPC CONNECTORS ZIF DIP TYPE

P7055 Series

Specifications

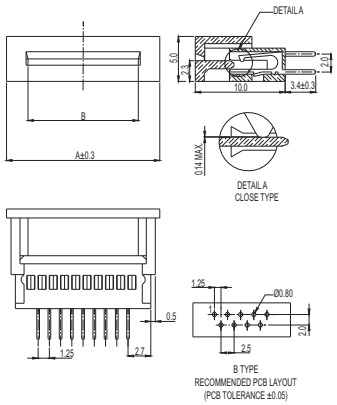
Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	50MΩ min.
Dielectric Withstanding	:	250VAC for 1 min.
Temperature Range	:	-20°C to +85°C

Material & Finish

Contact	:	Copper Alloy, Tin Plated
Insulator	:	Polyester, UL94V-0/ PBT

ZIF Dip Type Top Entry — P7055T

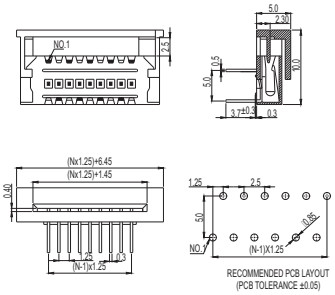
Circuit	A	B	Circuit	A	B
03	9.55	5.20	18	28.30	23.95
04	10.80	6.45	19	29.55	25.20
05	12.05	7.70	20	30.80	26.45
06	13.30	8.95	21	32.05	27.70
07	14.55	10.20	22	33.30	28.95
08	15.80	11.45	23	34.55	30.20
09	17.05	12.70	24	35.80	31.45
10	18.30	13.95	25	37.05	32.70
11	19.55	15.20	26	38.30	33.95
12	20.80	16.45	27	39.55	35.20
13	22.05	17.70	28	40.80	36.45
14	23.30	18.95	29	42.05	37.70
15	24.55	20.20	30	43.30	38.95
16	25.80	21.45	31	44.55	40.20
17	27.05	22.70	32	45.80	41.45





ZIF Dip Type Top Entry — P7055R

Circuit	A	B	Circuit	A	B
03	9.55	5.20	18	28.30	23.95
04	10.80	6.45	19	29.55	25.20
05	12.05	7.70	20	30.80	26.45
06	13.30	8.95	21	32.05	27.70
07	14.55	10.20	22	33.30	28.95
08	15.80	11.45	23	34.55	30.20
09	17.05	12.70	24	35.80	31.45
10	18.30	13.95	25	37.05	32.70
11	19.55	15.20	26	38.30	33.95
12	20.80	16.45	27	39.55	35.20
13	22.05	17.70	28	40.80	36.45
14	23.30	18.95	29	42.05	37.70
15	24.55	20.20	30	43.30	38.95
16	25.80	21.45	31	44.55	40.20
17	27.05	22.70	32	45.80	41.45





ORDERING INFORMATION

P7055X2C924XXXT

X	XX	XX	
Series	Mounting Type	No.of Contacts	Mounting Option
P7055	T=Dip Top Entry R=DIP Side Entry	03 to 32	A= A Type B= B Type (Applicable for Mounting Type T Only)

1.25MM PITCH FPC CONNECTORS
NON ZIF DIP TYPE

P705 Series

Specifications

Current Rating	:	1A
Contact Resistance	:	20mΩ max.
Insulation Resistance	:	50MΩ min.
Dielectric Withstanding	:	250VAC for 1 min.
Temperature Range	:	-20°C to +85°C

Material & Finish

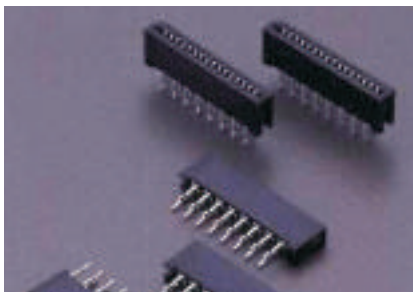
Contact	:	Copper Alloy, Tin Plated
Insulator	:	Polyester, UL94V-0/ PBT

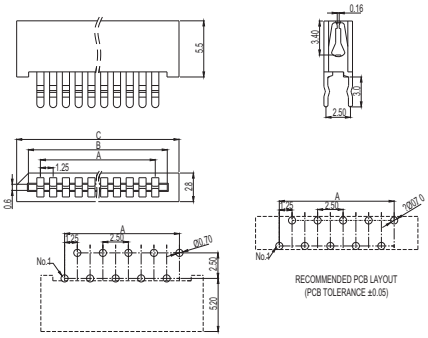
NON-ZIF Dip Type Top Entry

P7053T

Contact	A	B	B
03	2.50	5.05	7.15
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	22.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15

Contact	A	B	B
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90
31	37.50	40.05	42.15
32	38.75	41.30	43.40
33	40.00	42.55	44.65
34	41.25	43.80	45.90
35	42.50	45.05	47.15
36	43.75	46.30	48.40



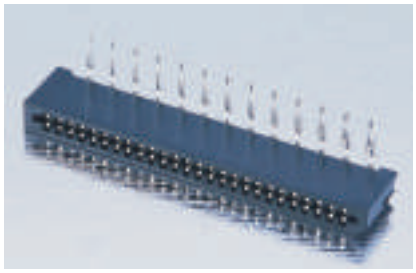


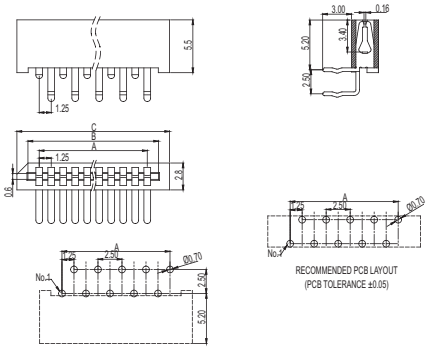
NON-ZIF Dip Type Side Entry

P7054T

Contact	A	B	B
03	2.50	5.05	7.15
04	3.75	6.30	8.40
05	5.00	7.55	9.65
06	6.25	8.80	10.90
07	7.50	10.05	12.15
08	8.75	11.30	13.40
09	10.00	12.55	14.65
10	11.25	13.80	15.90
11	22.50	15.05	17.15
12	13.75	16.30	18.40
13	15.00	17.55	19.65
14	16.25	18.80	20.90
15	17.50	20.05	22.15
16	18.75	21.30	23.40
17	20.00	22.55	24.65
18	21.25	23.80	25.90
19	22.50	25.05	27.15

Contact	A	B	B
20	23.75	26.30	28.40
21	25.00	27.55	29.65
22	26.25	28.80	30.90
23	27.50	30.05	32.15
24	28.75	31.30	33.40
25	30.00	32.55	34.65
26	31.25	33.80	35.90
27	32.50	35.05	37.15
28	33.75	36.30	38.40
29	35.00	37.55	39.65
30	36.25	38.80	40.90
31	37.50	40.05	42.15
32	38.75	41.30	43.40
33	40.00	42.55	44.65
34	41.25	43.80	45.90
35	42.50	45.05	47.15
36	43.75	46.30	48.40





ORDERING INFORMATION

P705X-XX-24

X	XX	XXX	
Series	Mounting Type	No.of Contacts	Plating
P705	3=Dip Top Entry 4=Dip Side Entry	03 to36	24=Tin Plated

Flat Cable for 1.25mm Pitch FPC Connectors

P705C-XX-1-X-X

No. of Pins
03 to 36

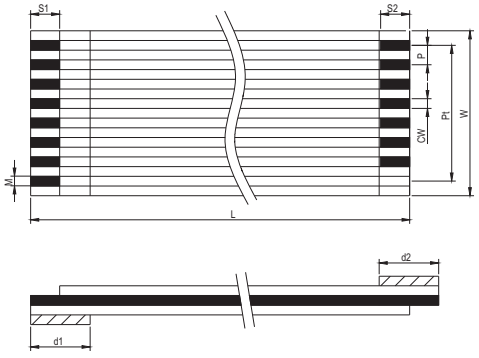
Type of
conduct position
1. Contacts on same sides
2. Contacts on alternate sides
3. One end Mating &
Other End Solder Type
4. Both sides solder type

Cable length

Description	Abbr.	Formulation
Pitch	P	1.25
Total Pitch	PT	PX(N-1)
Width	W	PX(N+1)
Margin	M	P-(CWX1/2)
Conduct Width	CW	0.8
Conduct Thickness	CT	Typical
Total (cable) Length	L	X
Strip Length	S2/S1	4/4
Support Tape Length	S3/S4	8/8
Terminal Thickness	T	0.3

N = No. Of Conducts





2.54MM PITCH FPC CONNECTORS
NON ZIF DIP TYPE

P705 Series

Specifications

Current Rating	:	1A
Contact Resistance	:	10mΩ max.
Insulation Resistance	:	500MΩ min.
Dielectric Withstanding	:	2500VAC for 1 min.
Temperature Range	:	-40°C to +85°C

Material & Finish

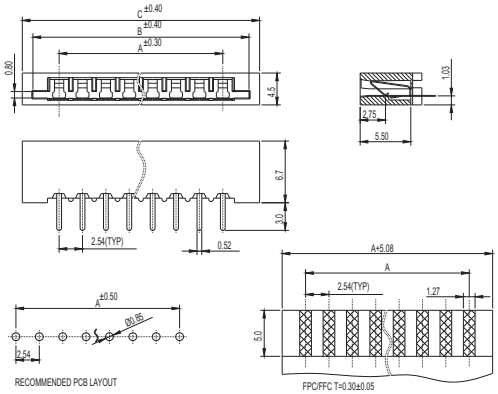
Contact	:	Copper Alloy, Tin Plated
Insulator	:	Polyester, UL94V-0/ PBT

NON-ZIF Dip Type Top Entry, Single Row

P7051A

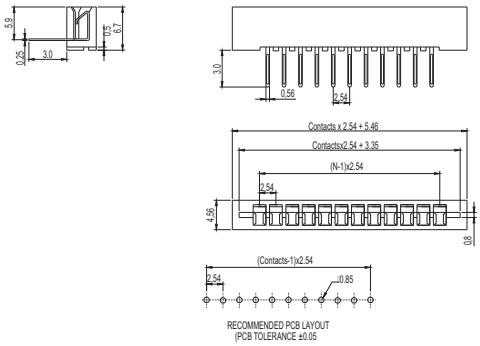
No. Of Ways	Dimension			No. Of Ways	Dimension		
	A	B	C		A	B	C
2	2.54	8.43	10.54	15	35.56	41.45	43.56
3	5.08	10.97	13.08	16	38.10	43.99	46.10
4	7.62	13.51	15.62	17	40.64	46.53	48.64
5	10.16	16.05	18.16	18	43.18	49.07	51.18
6	12.70	18.59	20.70	19	45.72	51.60	53.72
7	15.24	21.13	23.24	20	48.26	54.15	56.26
8	17.78	23.67	25.78	21	50.80	56.69	58.80
9	20.32	26.21	28.32	22	53.34	59.23	61.34
10	22.86	28.75	30.86	23	55.88	61.77	63.88
11	25.40	31.29	33.40	24	58.42	64.31	66.42
12	27.94	33.83	35.94	25	60.96	66.85	68.96
13	30.48	36.37	38.48	26	63.50	69.39	71.50
14	33.02	38.91	41.02	27	66.04	71.93	74.04





NON-ZIF Dip Type Side Entry, Single Row

P7052A





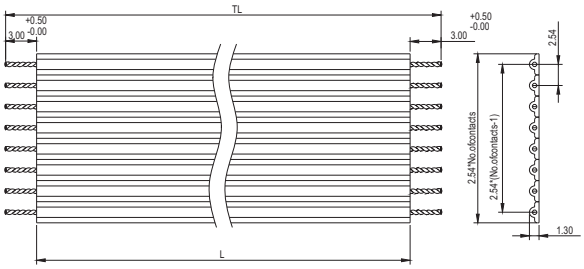
ORDERING INFORMATION

P705XAXX-24

X	XX	XX	
Series	Mounting Type	No.of Contacts	Plating
P705	1=Single Row Top Entry 2= Single Row Side Entry	02 to 27	24=Tin Plated

Flat Cable for 2.54mm Pitch FPC Connectors

P707C-XX-1-X-X



No. of Pins
02 to 27

Type of
conduct position
1. Contacts on same sides
2. Contacts on alternate sides
3. One end Mating &
Other End Solder Type
4. Both sides solder type

Cable length



SIM CARD HOLDERS

Sim Card Holder with Pegs (Pitch:End-End=29.90mm)

PSIMC-XX-CP-X

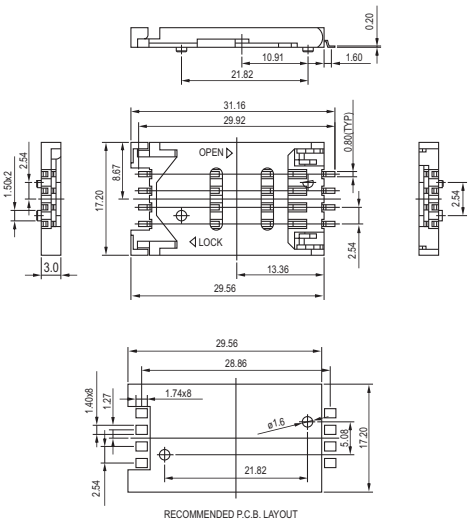
No. of Contacts:
06, 08
Plating:
1=Gold Flash
6=Gold flash on contact area & tin on tail

Specifications

Current Rating	:	0.5A
Contact Resistance	:	50mΩ typical, 100mΩ max.
Insulation Resistance	:	1000MΩ min.at 500V DC
Temperature Range	:	-40°C to +85°C
Durability	:	10000 Cycles

Material & Finish

Body	:	Thermoplastic, UL94V-0, beige colour
Cover	:	Thermoplastic,UL 94V-0, beige colour
Contact	:	Phosphor bronze, Gold plated/Selective

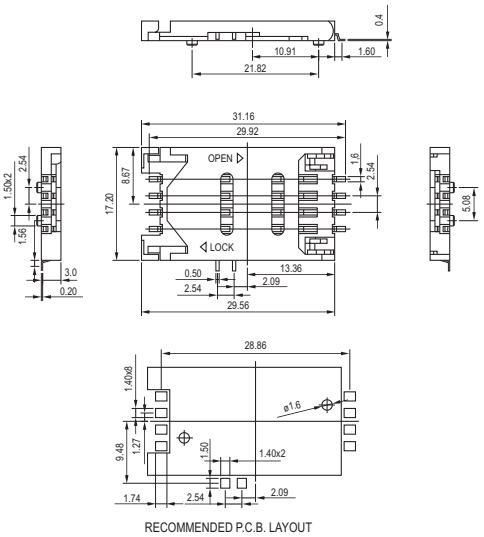




Sim Card Holder With Pegs With Switch (Pitch:End End=29.90mm)

PSIMC1-XX-CPS-X

No. of Contacts:
06, 08
Plating:
1=Gold Flash
6=Gold flash on contact area & tin on tail





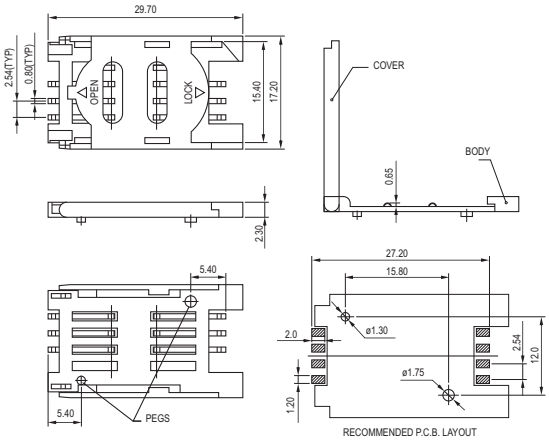
Sim Card Holder Low Profile (Pitch:End-End=27.20mm) — PSIMC2 Series

Specifications

Current Rating	:	0.5A max.
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	1000MΩ min. at 500V AC
Temperature Range	:	-25°C to +85°C
Dielectric Withstanding	:	500V AC rms for 1min.
Durability	:	5000 Cycles

Material & Finish

Body	:	PPS, UL94V-0, black colour
Cover	:	Thermoplastic,UL 94V-0, black colour
Contact	:	Phosphor bronze, Gold plated/Selective





ORDERING INFORMATION

PSIMC2-XX-CX-X

X	XX	X
Series	No. of contacts	Peg Option	Plating
PSIMC2	06, 08	P=With peg O=W/o Peg	1=Gold Flash 6=Gold flash on contact area tin on tail

Sim Card Holder W/o Pegs with Metal Clip Low Profile (pitch:end-end=27.20mm) — PSIMC3-XX-CO-X

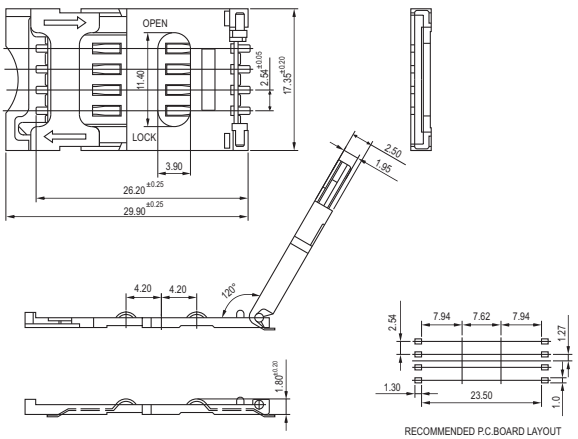
Specifications

Current Rating	:	1A
Contact Resistance	:	100mΩ max.
Insulation Resistance	:	1000MΩ min.
Dielectric Withstanding	:	250V AC
Temperature Range	:	-40°C to +85°C
Durability	:	5000 Cycles

Material & Finish

Body	:	Polyester, UL94V-0, black colour
Cover	:	Polyester,UL 94V-0, black colour
Contact	:	Phosphor bronze, Gold plated/Selective

No. of Contacts:
06, 08
Plating:
1=Gold Flash
6=Gold flash on contact area & tin on tail





Sim Card Holder Push Button Type W/o Pegs With Switch (Pitch:End-End=24.60mm)

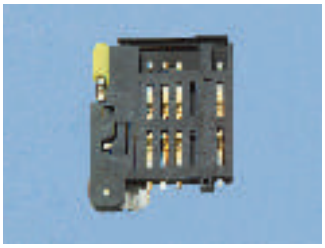
PSIMC9-06-COS-6

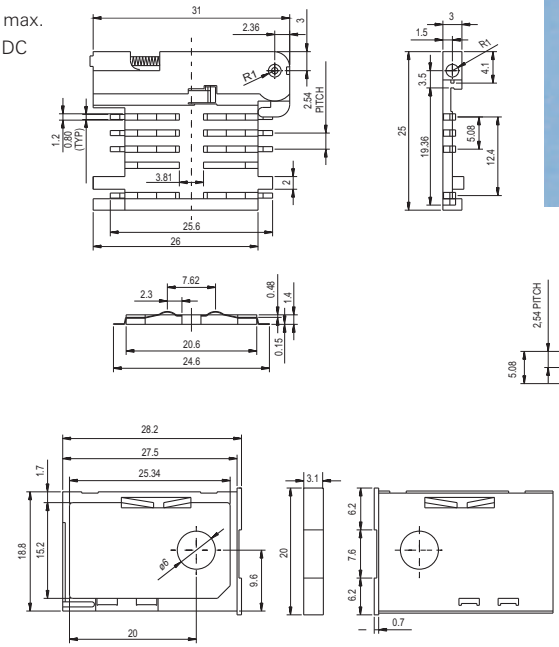
Specifications

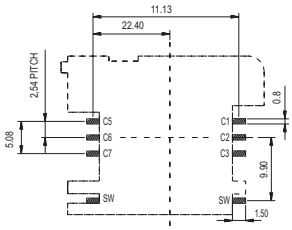
Contact Resistance	:	60mΩ Typical, 100mΩ max.
Insulation Resistance	:	1000MΩ min. at 500V DC
Temperature Range	:	-25°C to +85°C
Durability	:	10000 Cycles

Material & Finish

Body	:	Thermoplastic Polyester, UL94V-0, Black Colour
Cover	:	Thermoplastic Polyester UL94V-0, Black Colour
Contact	:	Phosphor Bronze, Selective Gold Plated







P.C.B. MOUNTING LAYOUT

Sim Card Holder Low Profile With Pegs (Pitch:End-End=25.10mm)

PSIMC11-XX-CP-1

No. of Contacts:
06, 08

Plating:
1=Gold Flash

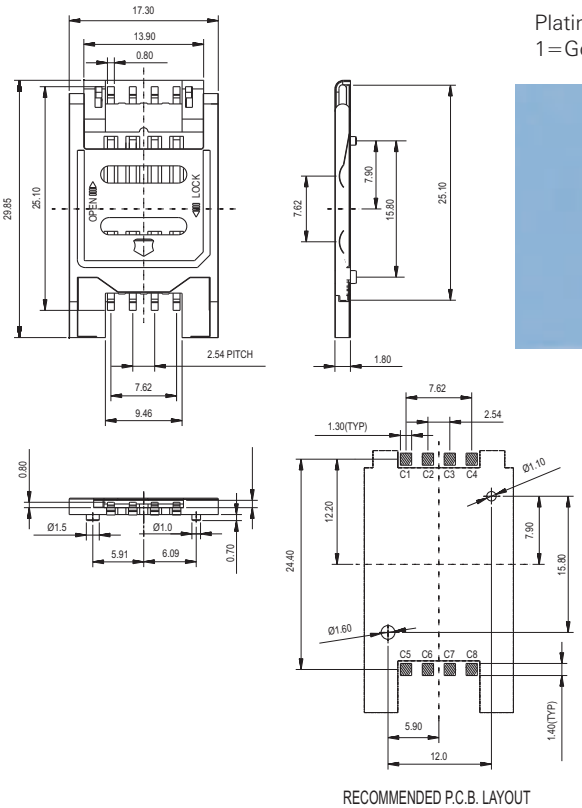
Specifications

Contact Resistance	:	50mΩ Typical, 100mΩ max.
Insulation Resistance	:	1000MΩ min. at 500V DC
Temperature Range	:	-40°C to +85°C
Durability	:	5000 Cycles

Material & Finish

Body	:	Thermoplastic Polyester, UL94V-0, Black Colour
Cover	:	Thermoplastic Polyester UL94V-0, Black Colour
Contact	:	Phosphor Bronze, Gold Plated





RECOMMENDED P.C.B. LAYOUT

Sim Card Holder With Pegs, 2.20 MM Thick (pitch End - End 25.60 MM)

PSIMC14-XX-CP-6

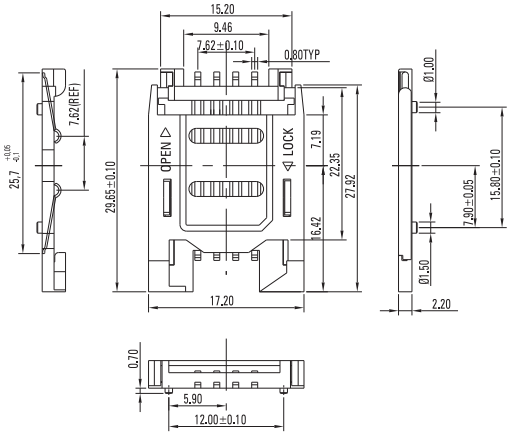
No. Of Contacts	Plating
06	6=gold Flash On Contact Area & Tin On Tail
08	

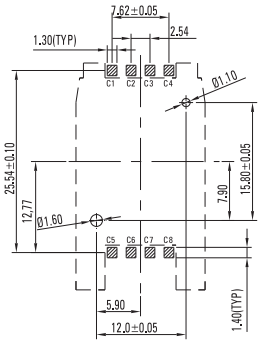
Specifications :

Contact Resistance	: 50mΩ Typical, 100mΩ max.
Insulation Resistance	: >1000MΩ min. At 500 V DC
Temperature Range	: -40°C To +85°C
Durability (life Test)	: 10,000 Cycles

Material & Finish :

Contact	: Phosphor Bronze, Selective Gold Plated
Body & Cover	: Thermo Plastic Polyester UL 94V-0





RECOMMENDED P.C.B. LAYOUT

Sim card holder, push-push type

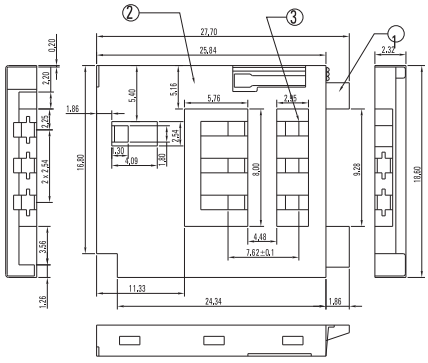
PSIMC16-06-PP-1

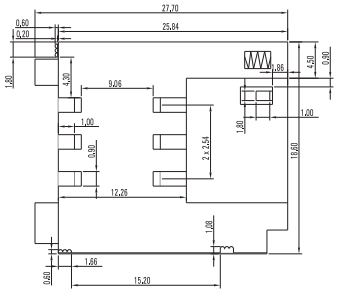
Specifications :

Voltage Rating	: 5V
Current Rating	: 1A max.
Insulation Resistance	: 1000M Ohms min. at 500 V DC
Temperature Range	-25°C To +85°C
Dielectric Withstanding	: 500 V AC/minute

Material & Finish :

Contact	: Phosphor Bronze, Gold Plated
Cover	: Stainless Steel
Holder	: LCP





NOTE: MOUNTING DIMENSION, SHADOW POINT IS FOR SOLDERING USE

MEMORY / SD CARD HOLDERS

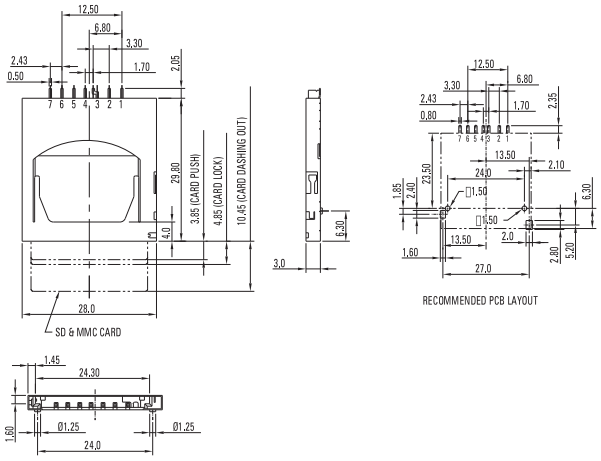
Specifications :

Voltage Rating	: 100V AC / DC
Current Rating	: 0.5A
Contact Resistance	: <20mΩ
Insulation Resistance	: 100MΩ min. At 500 V DC
Temperature Range	: -25°C to +90°C
Durability (life Test)	: 10,000 Cycles

Material & Finish	:
Contact	: Phosphor Bronze, Selective Gold Plated
Insulator	: LCP + 30% GF, UL94V-0

Digital Memory Card Holder SMT With Peg Without Switch 7 Pin

PMMC-07-0P-9



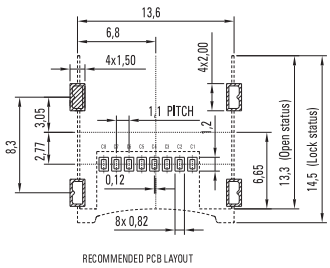
Micro SD Card Connector SMT Without Pegs Friction Technology PMSDC-08-00-1

Specifications :

Contact Resistance	: 100mΩ / 20 mA
Insulation Resistance	: >1000MΩ Min. At 500 V Dc
Temperature Range	: -40°c To +85°c
Dielectric Withstanding	: 500 V Ac
Durability (life Test)	: 5000 Cycles Min.

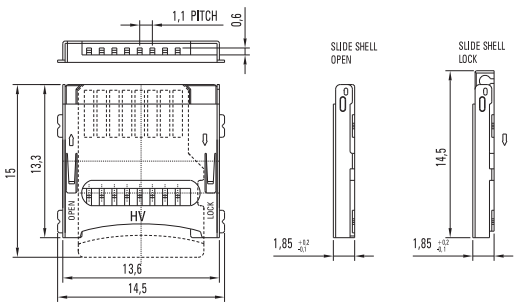
Material & Finish :

Contact	: Copper Alloy
Insulator	: Thermo Plastic, UL94v-0



RECOMMENDED PCB LAYOUT





PIN	Micro SD Mode	
	Name	Description
1	DAT2	Data Line (Bit 2)
2	CD/DAT3	Card Detect / Data Line (Bit3)
3	CMD	Command Response
4	VDD	Supply Voltage
5	CLK	Clock
6	VSS	Supply Voltage Ground
7	DAT0	Data Line (Bit 0)
8	DAT1	Data Line (Bit 1)

MODULAR JACKS & PLUGS

PSY Series

Specifications

Voltage Rating	:	150V AC max.
Current Rating	:	1A max.
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	500MΩ at 1000V DC
Temperature Range	:	-40°C to +70°C
Dielectric Withstanding	:	1000Vrms for 1minute
Durability	:	500 Cycles

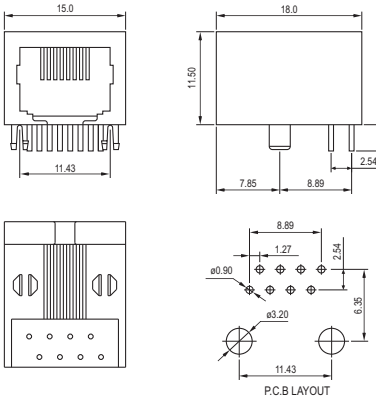
Material & Finish

Contact	:	Phosphor Bronze, gold plated/Gold on contact area & Tin on tail/ Tin plated
Round Pin	:	Dia 0.45 mm
Flat Pin	:	0.35 mm thick
Insulator	:	PBT, UL94V-0, Black or Grey

Note : Modular Jack with Magnetics available on request

MODULAR JACK, Side Entry Very Low Profile, Unshielded

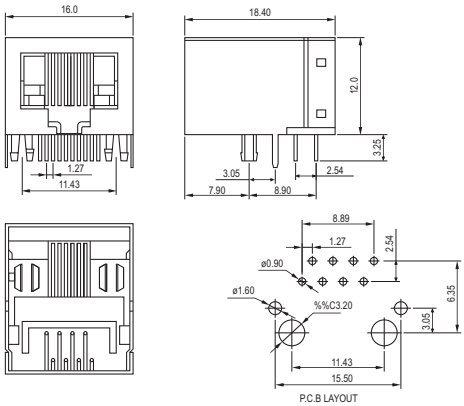
PSY001





MODULAR JACK, Side Entry Very Low Profile, Shielded

PSY001S





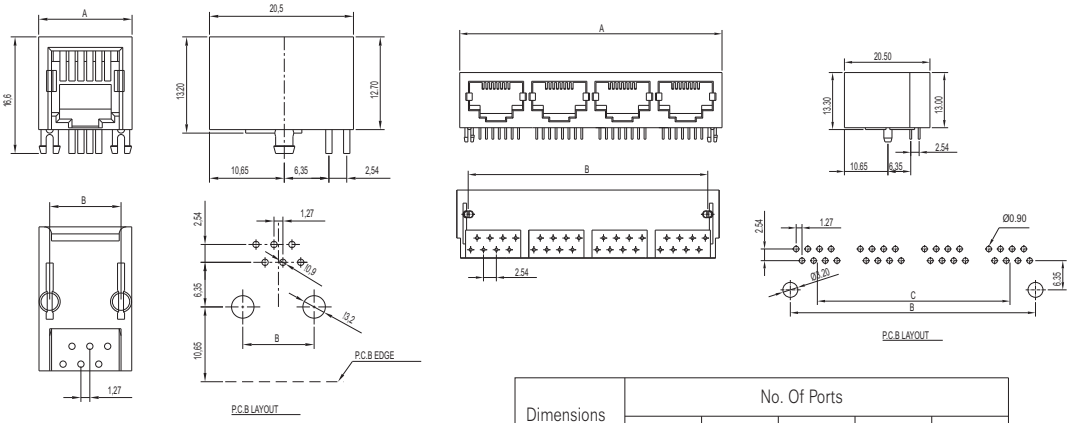
ORDERING INFORMATION

PSY001X-XPXC-X

	X	X	X	X
Series	Shielding Option	No. Of Positions	No. Of Contacts	Plating
PSY001	'-' = Std W/o Shielding S=With Shielding	10	10, 8, 6	1= Gold Flash 2=0.75μ Gold 3=0.075μ Gold Flash 6=Gold On Contact Area & Tin On Tail

MODULAR JACK, Side Entry Un shielded Long body

PSY001L



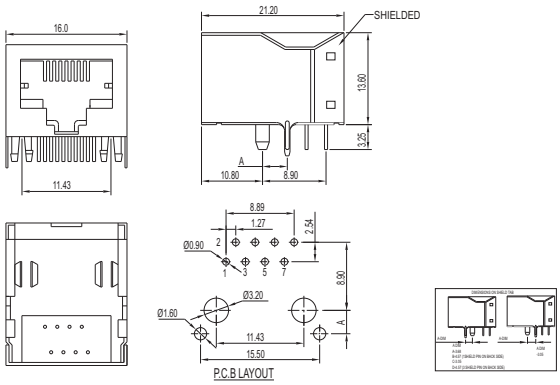


No.Of. Positions	Dimensions	
	A	B
4	11.2	7.62
6	13.2	10.16
10	15.2	11.43

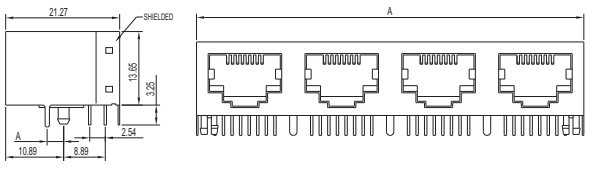
Dimensions	No. Of Ports				
	2	4	5	6	8
A	30.5	58.4	72.4	86.3	114.1
B	25.40	53.34	67.30	81.30	109.20
C	13.98	41.94	55.92	69.90	97.86

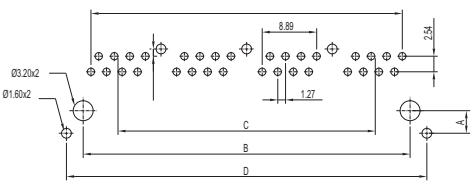
MODULAR JACK, Side Entry Long body, Shielded

PSY001SL









DIMENSIONS	NO. OF PORTS				
	2	4	5	6	8
A	31.20	59.10	73.0	87.30	114.80
B	25.40	53.34	67.30	81.30	109.20
C	13.98	41.94	55.92	69.90	97.86
D	30.80	58.90	72.80	86.80	114.60

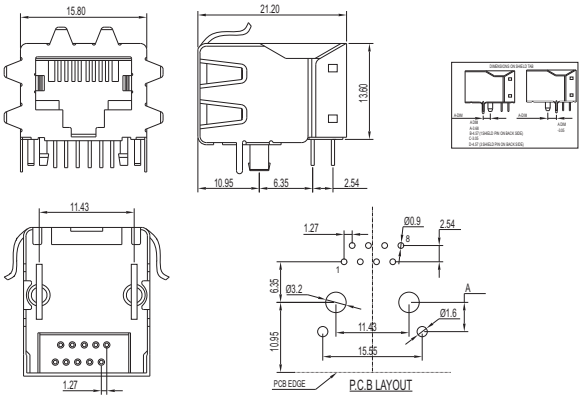
ORDERING INFORMATION

PSY001XLXXXPXCX

		X	X	X	X	X
Series	Shielding Option	No. Of Ports	Dimension On Tabs	No. Of Positions	No. Of Contacts	Plating
PSY001	Blank = W/o Shielding	'_' = Single Ports	'_' = Std 3.05mm	A	8	1 = Gold Flash
	's' = With Shielding	2 = 2ports	A = 3.68mm	8	6	2 = 0.75μ Gold
		4 = 4ports	B = 4.57mm	6	4	3 = 0.075μ Gold Flash
		5 = 5ports	(1shielded Pin @ Backside)	4	2	6 = Gold On Contact Area
		6 = 6ports	C = 3.05mm			Tin On Solder Area
		8 = 8ports	D = 4.57mm			
			(3shielded Pin @ Backside)			

Modular Jack Side Entry, Shielded With Panel Ground Tabs

PSY001PL





ORDERING INFORMATION

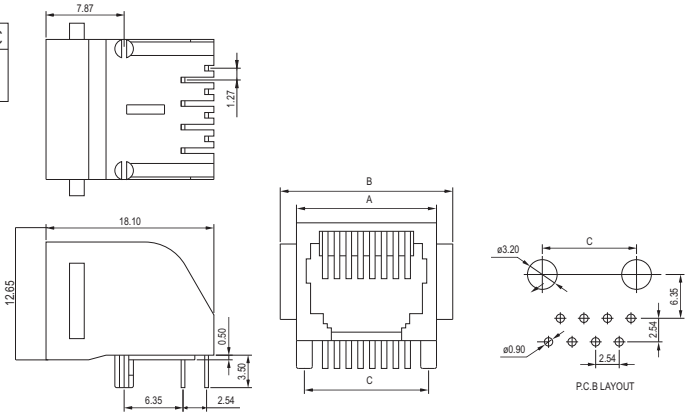
PSY001PLXXXPXCX

X	X	X	X	X	X
Series	Shielding Option	No. Of Ports	Dimension On Tabs	No. Of Positions	No. Of Contacts	Plating
PSY001	Blank = W/o Shielding	'_' = Single Ports	'_' = Std 3.05mm	A	8	1 = Gold Flash
	's' = With Shielding	2 = 2ports	A = 3.68mm	8	6	2 = 0.75μ Gold
		4 = 4ports	B = 4.57mm	6	4	3 = 0.075μ Gold Flash
		5 = 5ports	(1shielded Pin @ Backside)	4	2	6 = Gold On Contact Area
		6 = 6ports	C = 3.05mm			Tin On Solder Area
		8 = 8ports	D = 4.57mm			
			(3shielded Pin @ Backside)			

RJ45 MODULAR JACK, Side Entry Low Profile With Flange

PSY002

Positions	Dim. A	Dim. B	Dim. C
6	13.30	15.90	10.16
8	15.20	17.80	11.43

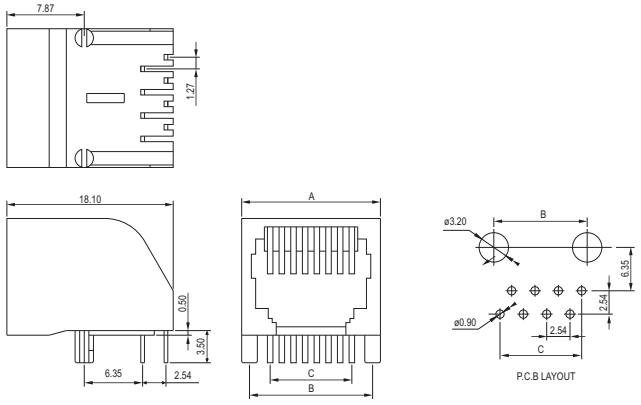




MODULAR JACK, Side Entry Low Profile With Out Flange

PSY002A

Positions	Dim. A	Dim. B	Dim. C
6	13.30	10.16	6.35
8	15.10	11.43	8.89





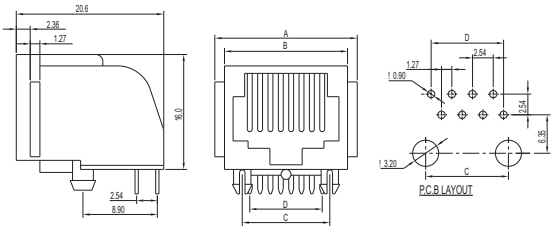
ORDERING INFORMATION

PSY002X-XPXC-X

X	X	X	X
Series	Flange Option	No. Of Positions	No. Of Contacts	Plating
PSY002	A =w/o Flange '–'=with Flange	8, 6	8,6,4,2	1= Gold Flash 2=0.75μ Gold 3=0.75μ Gold Flash 6=gold On Contact Area & Tin On Tail

MODULAR JACK with flange, side entry, low profile

PSY002L



POSITIONS	DIM. A	DIM. B	DIM. C	DIM. D
4	13.7	11.1	7.62	3.81
6	15.7	13.2	10.16	6.35
8	17.7	15.2	11.43	8.89



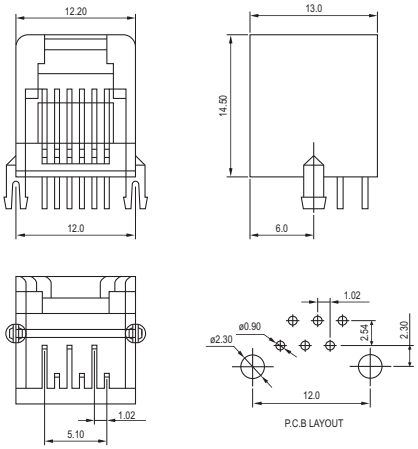
ORDERING INFORMATION

PSY002L-XPXC-X

	X	X	X
Series	No. Of Positions	No. Of Contacts	Plating
	8	8	1 = Gold Flash (0.026μ)
PSY002L	6	6	2 = 0.75μ Gold
	4	4	3 = 0.075μ Gold Flash
		2	6 = Gold On Contact Area

RJ 45 MODULAR JACK, Side Entry Mini Low Profile

PSY003





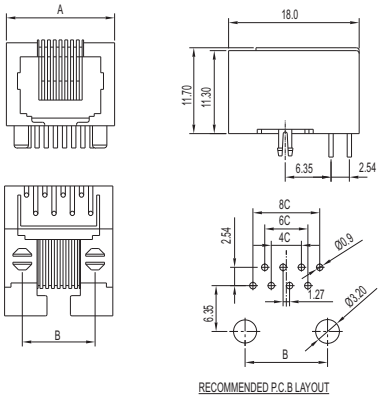
ORDERING INFORMATION

PSY003X-XPXC-X

	X	X	X	X
Series	Flange Option	No. Of Positions	No. Of Contacts	Plating
PSY003	'A'=W/O Flange '-'=With Flange	8, 6, 4	8, 6, 4	1= Gold Flash 2= 0.75μ Gold 3= Gold Flash (0.075) 6= Gold On Contact Area & Tin On Tail

MODULAR JACK side entry (top open type), unshielded

PSY004A



No. Of Positions	A	B
4	11.20	7.62
6	13.20	10.16
8	15.20	11.43



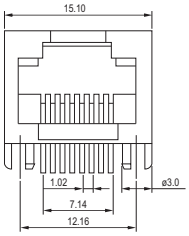
ORDERING INFORMATION

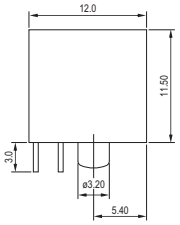
PSY004A-XPXC-X

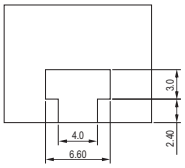
	X	X	X
Series	No. Of Positions	No. Of Contacts	Plating
PSY004A	8,6,4	8,6,4,2	1=Gold Flash 2=0.75μ Gold Plated 3=Gold Flash (0.075μ) 6 =Gold On Contact Area & Tin On Tail

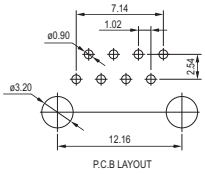
RJ 11 MODULAR JACK, Side Entry 12mm Mini Low Profile

PSY007











ORDERING INFORMATION

PSY00X-XPXC-X

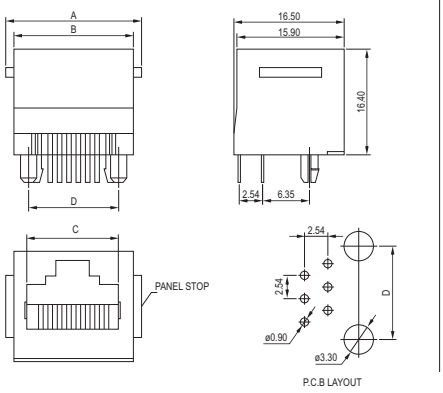
	X	X	X	X
Series	Type Of Jack	No. Of Positions	No. Of Contacts	Plating
PSY00	6=RJ11 L/P 7=RJ11 12mm L/P	6, 4	6, 4, 2	1= Gold Flash 2= 0.75μ Gold 3= Gold Flash(0.075) 6= Gold On Contact Area & Tin On Tail

Note: L/P=low Profile

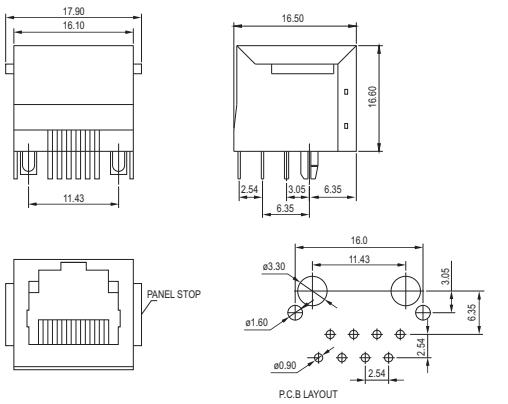
MODULAR JACK, Top Entry

PSY009

PSY009



PSY009S





ORDERING INFORMATION

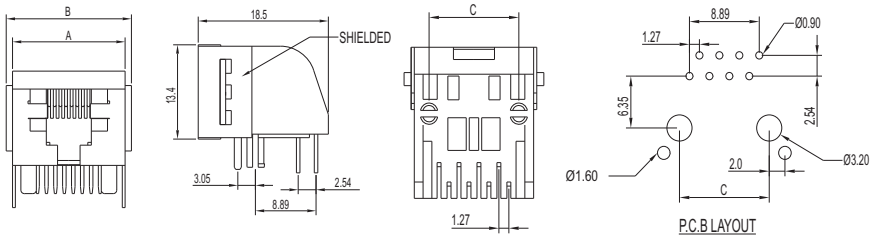
PSY009X-XPXCXX

X X X X X

Series	Shielding Option	No. Of Positions	No. Of Contacts	Tail Option	Plating
PSY009	'–'= Unshielded With Flange S = Shielded	8, 6, 4	8, 6, 4	'-'= 3.80 Mm For Shielded '-'= Std 3.25 Mm For Unshielded 1= 3.25mm For Shielded	1=Gold Flash 2=0.75μ Gold 3=Gold Flash(0.075) 6=Gold On Contact Area & Tin On Tail

MODULAR JACK, side entry, low profile with flange, partial shielded

PSY0016S



POSITIONS	DIM. A	DIM. B	DIM. C
6	14.0	15.8	10.16
8	16.0	17.8	11.43



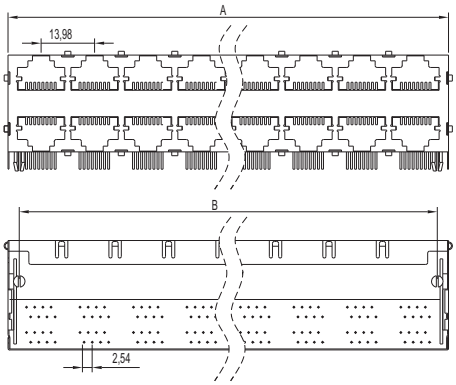
ORDERING INFORMATION

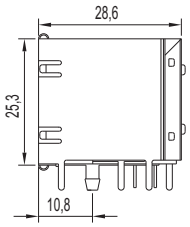
PSY016S-XPXC-X

Series	No. Of Positions	No. Of Contacts	Plating
PSY016S	8 6	8 6	1 = Gold Flash 2 = 0.75μ Gold 3 = 0.075μ Gold Flash 6 = Gold On Contact Area Tin On Solder Area

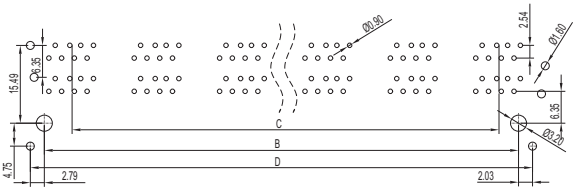
MODULAR JACK, side entry, shielded, double decker

PSY017P









RECOMMENDED P.C.B LAYOUT

DIMENSIONS	NO. OF PORTS					
	2	4	6	8	12	16
A	17.2	31.2	45.2	59.2	87.2	115.2
B	11.43	25.40	39.37	53.34	81.28	109.22
C	-	13.98	27.96	41.94	69.90	97.86
D	17.00	30.98	44.95	58.92	86.86	114.80

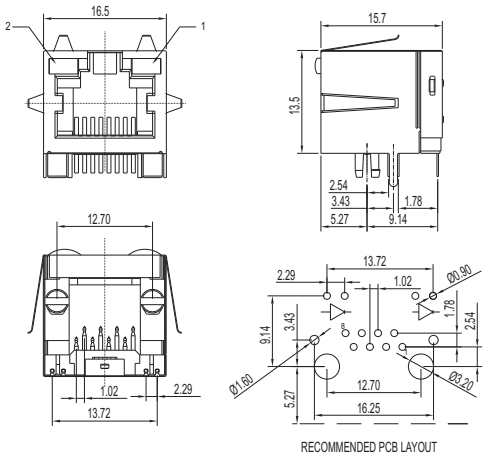
ORDERING INFORMATION

PSY017PXXPXC-XD

	X	X	X	X
Series	Single Ports	No. Of Positions	No. Of Contacts	Plating
PSY017P	2 = 2ports	8	8	1 = Gold Flash
	4 = 4ports	6	6	2 = 0.75µ Gold
	6 = 6ports		4	3 = 0.075µ Gold Flash
	8 = 8ports			6 = Gold On Contact Area
	12 = 12ports			Tin On Solder Area
	16 : 16ports			

MODULAR JACK,shielded,single port,side entry, with led,with panel ground tabs,

PSY018PL





ORDERING INFORMATION

PSY018PLX8P8CXX

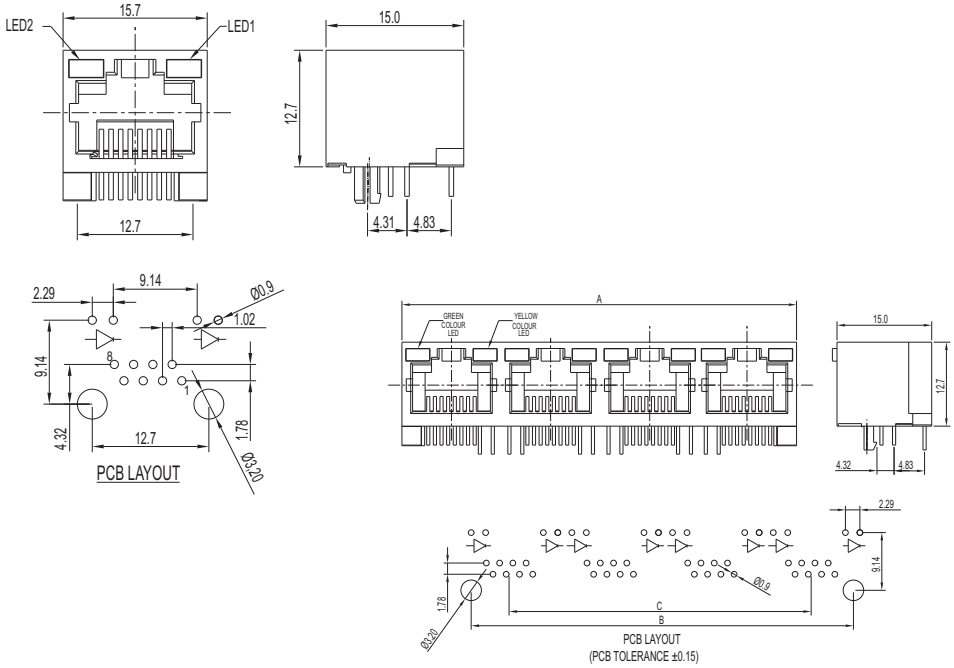
Series	X Single Port	X Plating	X Led Options
PSY018P	"-" = Single Port 2: 2 Ports 4 : 4ports 6 : 6ports 8 : 8ports	1 = Gold Flash (0.026μ) 2 = 0.75μ Gold 3 = Gold Flash0.075μ 6 = Gold On Contact Area Tin On Solder Area	

Code	Led 2[left]	Led 1[right]
0	Blocked	Blocked
A	Yellow	Green
B	Green	Green
C	Blocked	Green
D	Yellow	Blocked
E	Green	Yellow
F	Yellow	Yellow
G	OR/GR	OR/GR
H	YE/GR	YE/GR
I	OR/GR	Yellow

MODULAR JACK, Side Entry, Unshielded With Led Option, Multiport

PSY019T





DIMENSIONS	NO. OF PORTS			
	2	4	6	8
A	31.5	63.0	94.5	126.0
B	28.45	59.95	91.45	122.95
C	15.75	47.25	78.75	110.25

ORDERING INFORMATION

PSY019TX8P8C-XX

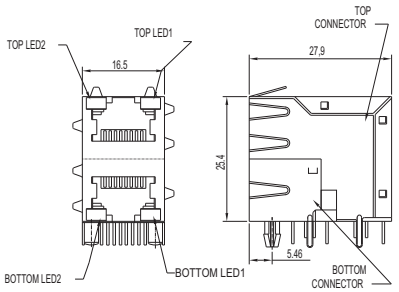
Series	X Single Port	X Plating
PSY018P	"-" = Single Port	1 = Gold Flash (0.026μ)
	2: 2 Ports	2 = 0.75μ Gold
	4 : 4ports	3 = Gold Flash0.075μ
	6 : 6ports	6 = Gold On Contact Area
	8 : 8ports	Tin On Solder Area

X Led Options

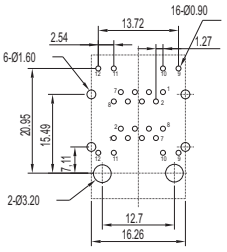
Code	Led 2[left]	Led 1[right]
0	Blocked	Blocked
A	Yellow	Green
B	Green	Green
C	Blocked	Green
D	Yellow	Blocked
E	Green	Yellow
F	Yellow	Yellow
G	OR/GR	OR/GR
H	YE/GR	YE/GR
I	OR/GR	Yellow

MODULAR JACK, Side Entry, Shielded With Panel Ground Tabs
Double Decker With Led Option

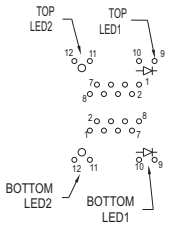
PSY020P



FRONT VIEW SIDE VIEW



SUGGESTED P.C.B LAYOUT



LED SCHEMATIC

DIMENSIONS	NO. OF PORTS					
	2	4	6	8	12	16
A	16.40	32.10	47.80	63.70	95.10	126.60
B	12.70	28.44	44.19	59.94	91.44	122.94
C	---	15.75	31.50	47.25	78.75	110.25
D	16.26	32.00	47.74	63.50	95.00	126.50

CODE	LED 2(LEFT)	LED 1(RIGHT)
0	BLOCKED	BLOCKED
A	YELLOW	GREEN
B	GREEN	GREEN
C	BLOCKED	GREEN
D	YELLOW	BLOCKED
E	GREEN	YELLOW
F	YELLOW	YELLOW
G	OR/GR	OR/GR
H	YE/GR	YE/GR
I	OR/GR	YELLOW

ORDERING INFORMATION

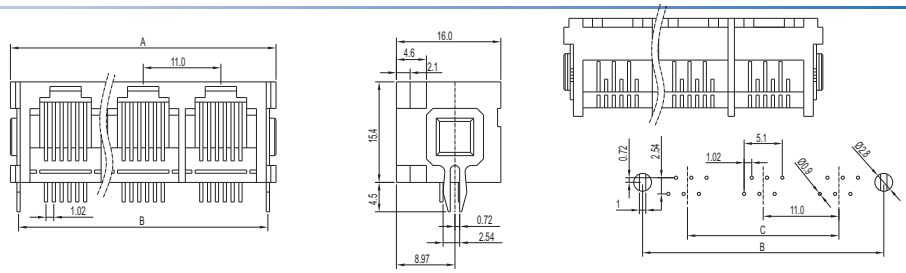
PSY020PX8P8CXXD

Series	X No. Of Positions	X Plating	X Led Options
PSY020P	2 = 2ports 4 = 4ports 6 = 6ports 8 = 8ports 12 = 12ports 16 = 16ports	1 = Gold Flash 2 = 0.75µ Gold 3 = 0.075µ Gold Flash 6 = Gold On Contact Area Tin On Solder Area	

CODE	LED 2[LEFT]	LED 1[RIGHT]
0	BLOCKED	BLOCKED
A	YELLOW	GREEN
B	GREEN	GREEN
C	BLOCKED	GREEN
D	YELLOW	BLOCKED
E	GREEN	YELLOW
F	YELLOW	YELLOW
G	OR/GR	OR/GR
H	YE/GR	YE/GR
I	OR/GR	YELLOW

MODULAR JACK, Side Entry, Unshielded With Metal Pegs

PSY021



DIMENSIONS	NO. OF PORTS						
	2	3	4	5	6	7	8
A	28.0	39.0	50.0	61.0	72.0	83.0	94.0
B	24.5	35.5	46.5	57.5	68.5	79.5	90.5
C	11.0	22.0	33.0	44.0	55.0	66.0	77.0

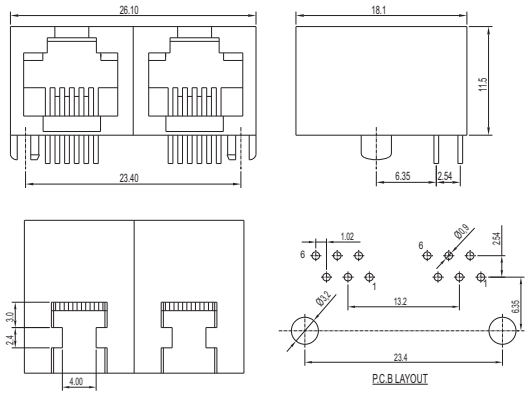
ORDERING INFORMATION

PSY021-X6PXC-XX

Series	X No. Of Ports	X No. Of Contacts	X Plating	X Housing Colour
PSY021	2 = 2ports	6	1 = Gold Flash (0.026μ)	Blank= Grey Colour
	3 = 3ports	4	2 = 0.75μ Gold	'B'= Black Colour
	4 = 4ports		3 = 0.075μ Gold Flash	
	5 = 5ports		6 = Gold On Contact Area	
	6 = 6ports			
	7 = 7ports			
	8 = 8ports			

MODULAR JACK, Side Entry, Unshielded, Dual Port

PSY022D





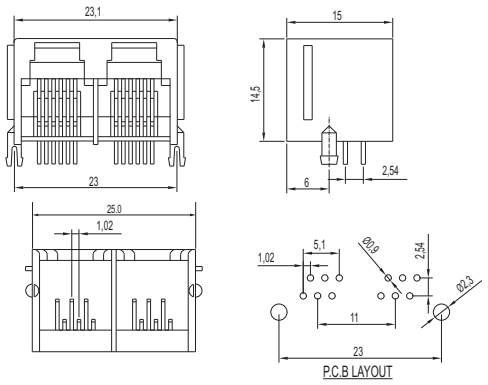
ORDERING INFORMATION

PSY022D-XPXC-X

Series	X No. Of Positions	X No. Of Contacts	X Plating
PSY022D	6	6	1 = Gold Flash (0.026μ)
	4	4	2 = 0.75μ Gold
			3 = 0.075μ Gold Flash
			6 = Gold On Contact Area
			Tin On Solder Area

MODULAR JACK, Side Entry, Very Low Profile, Unshielded, Dual Port

PSY003LD





ORDERING INFORMATION

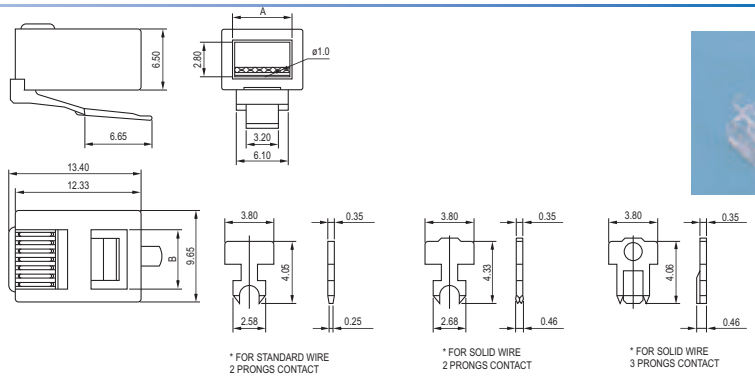
PSY003LD-XPXC-X

	X	X	X
Series	No. Of Positions	No. Of Contacts	Plating
PSY003LD	6	6	1 = Gold Flash (0.026μ)
	4	4	2 = 0.75μ Gold
			3 = 0.075μ Gold Flash
			6 = Gold On Contact Area Tin On Solder Area

Modular plug

P7020X

No. of contacts	A	B
6P2C	5.20	5.10
6P4C	5.20	5.10
6P6C	7.10	6.20





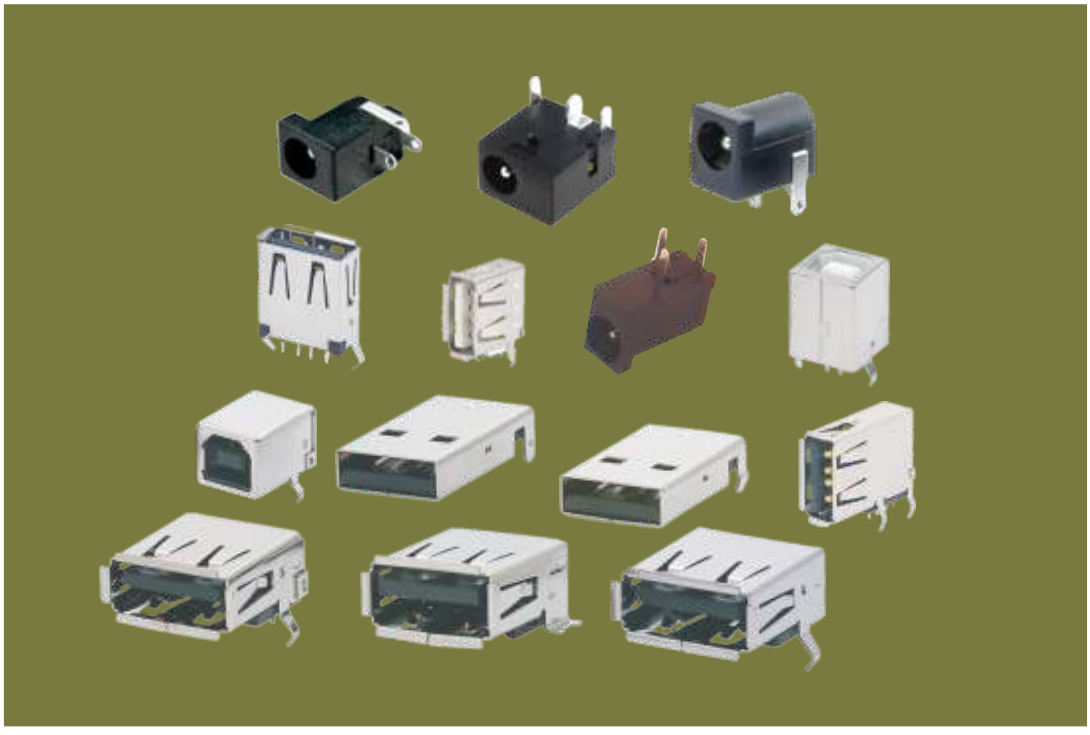
ORDERING INFORMATION

P7020X-XX-X X

	X	XX	X	X
Series	No. Of Positions	No. Of Contacts	Housing & Contact Type	Plating
P7020	A=10, 8 For RJ45	10, 08, 06, 04, 02 For RJ 45	2= 2 Prongs For Stranded Wire For Round Cable 5= 2 Prongs For Solid Wire For Round Cable 6=3 Prongs For Solid Wire For Round Cable 7=3 Prongs For Solid Wire For Flat Cable 8=2 Prongs For Stranded Wire For Flat Cable	1=gold Flash 2=0.15 Microns Gold 3=0.38 Microns Gold 4=0.76 Microns Gold 5=1.27 Microns Gold
	6, 4 For RJ11	06, 04, 02 For RJ11		

PROTECTRON

USB Connectors & DC Power Jacks



PROTECTRON

USB FEMALE CONNECTORS

P707-SERIES

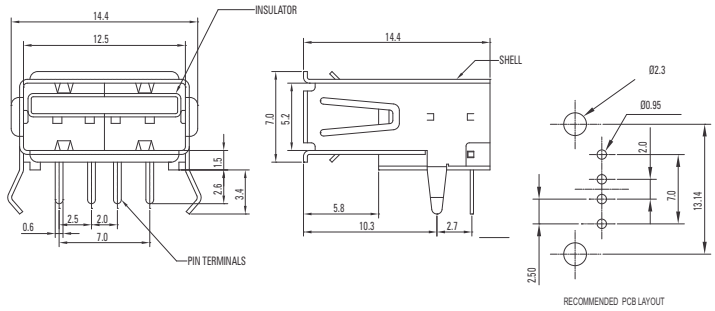
Specifications

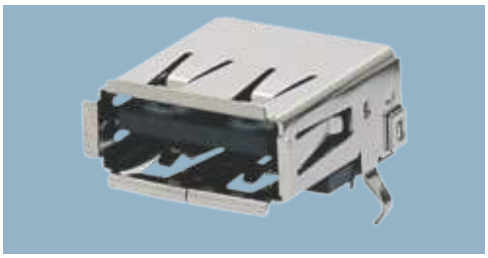
Voltage Rating	:	250 V AC Min
Current Rating	:	1.5 A
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	1000MΩ min. At 500 V DC
Dielectric Withstanding	:	750 V AC (rms)\ for 1 min
Temperature Range	:	-40°C To +60°C
Durability (life Test)	:	1500 Cycles
Insertion Force	:	35 N max
Extraction Force	:	10 N min

Material & Finish	:	
Contact	:	Copper Alloy, Selective Gold Plated
Insulator	:	PBT UL 94V-0 (through Hole) Nylon PA9T (SMT)
Shell	:	Brass, Nickel Plated

USB A-TYPE, Right Angle

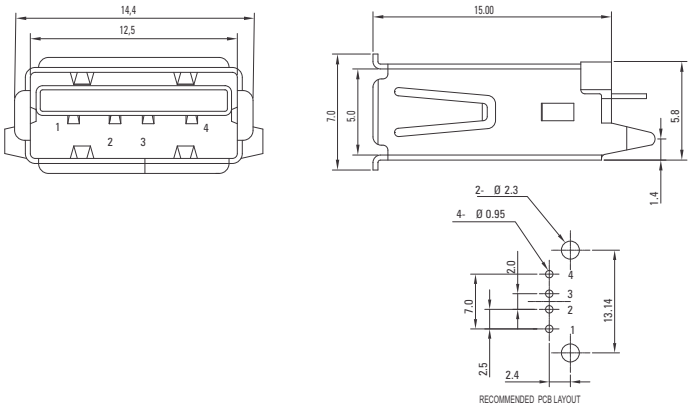
P7070A-04-5





USB A-TYPE, Vertical Mount Top Entry

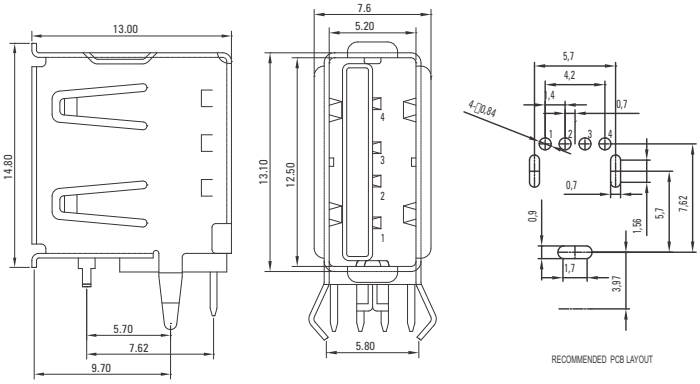
P7070AS04-5





USB A-TYPE, Vertical Mount Right Angle (Upright)

P7070AV04-5

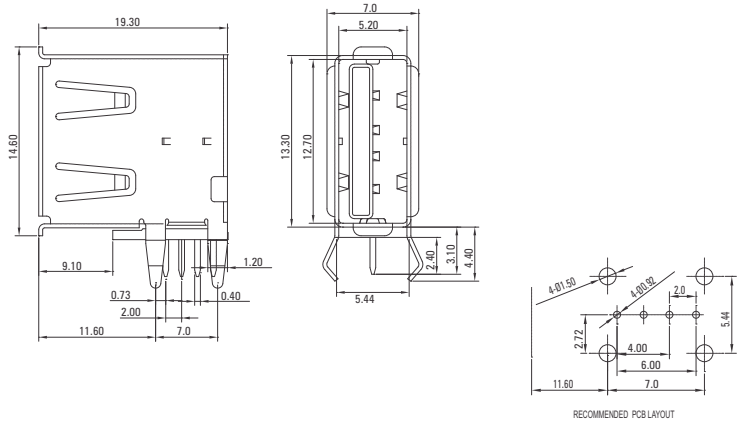




USB A-TYPE, Vertical Mount Right Angle (Upright) Long Body

P7070AV04L-5

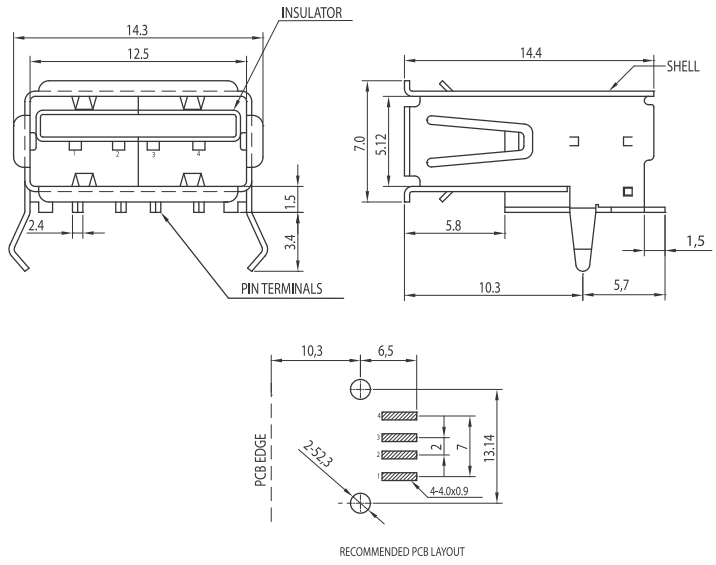




USB A-TYPE, Right Angle Surface Mount

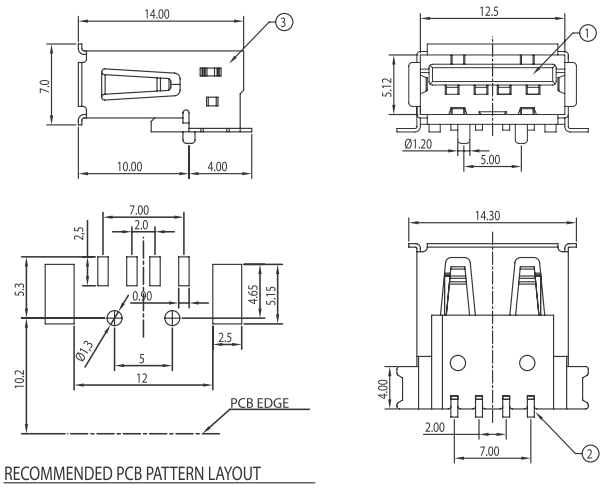
P7070MA04-5





USB A-TYPE, Right Angle, Surface Mount With Alignment Pegs

P7070MA04-5-1

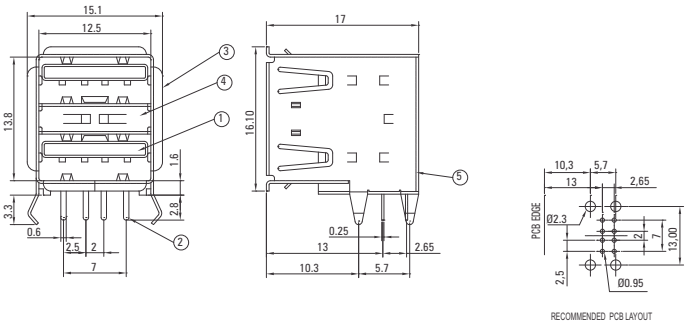


RECOMMENDED PCB PATTERN LAYOUT



USB A-TYPE, Double Decker (2 Port)

P707DA-08-5

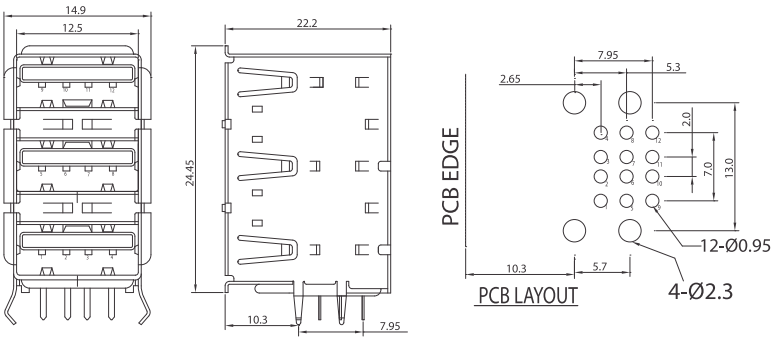


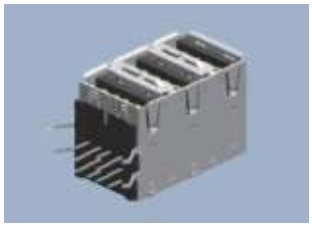
RECOMMENDED PCB LAYOUT



USB A-TYPE, Triple Decker (3 Port)

P707TA-12-5

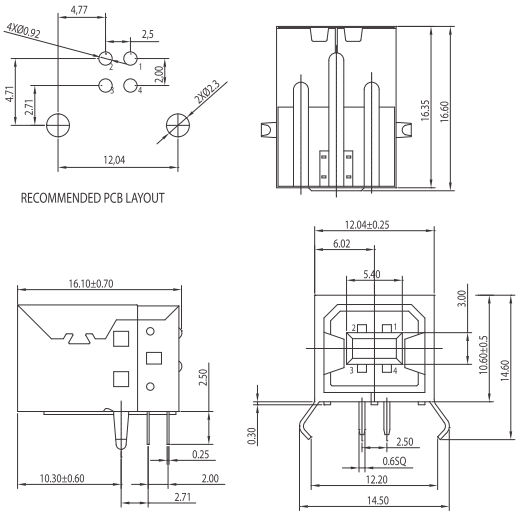




USB CONNECTORS

USB B-TYPE, Right Angle

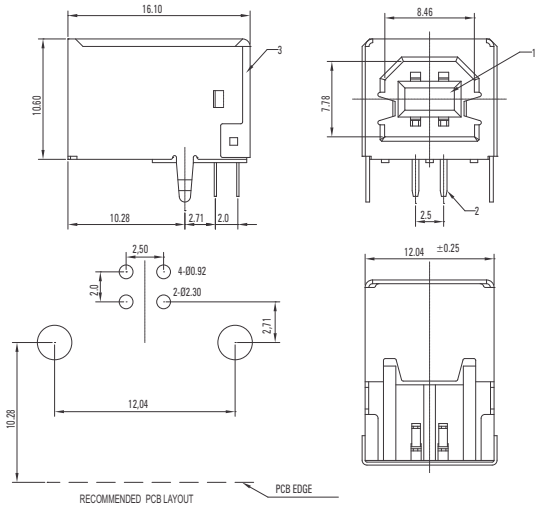
P7070-4P4C





USB B-TYPE, Right Angle Without Kink

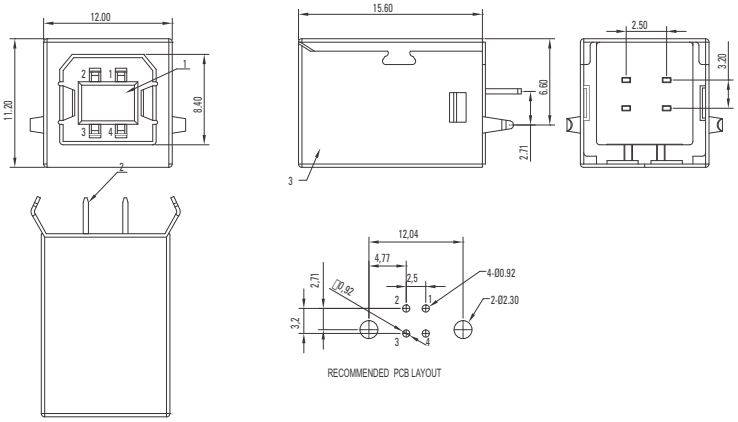
P7070B104-5





USB B-TYPE, Vertical Mount Top Entry

P7070BS04-5

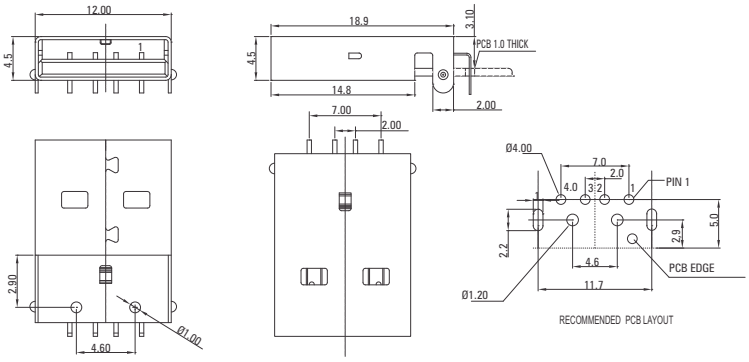




USB A TYPE MALE PLUG CONNECTORS

USB A TYPE, Right Angle

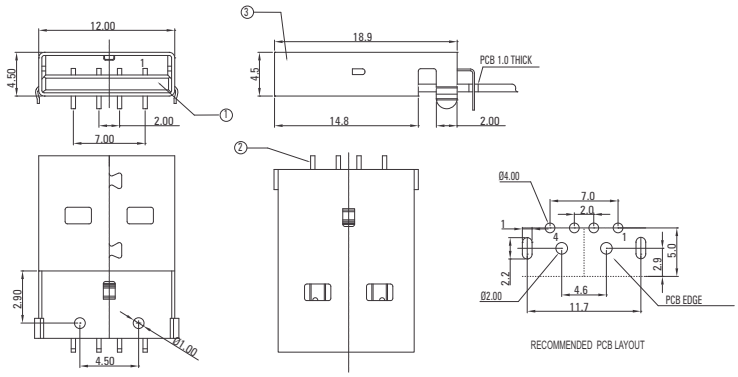
P707PA-04-5





USB A TYPE, Right Angle With Kink

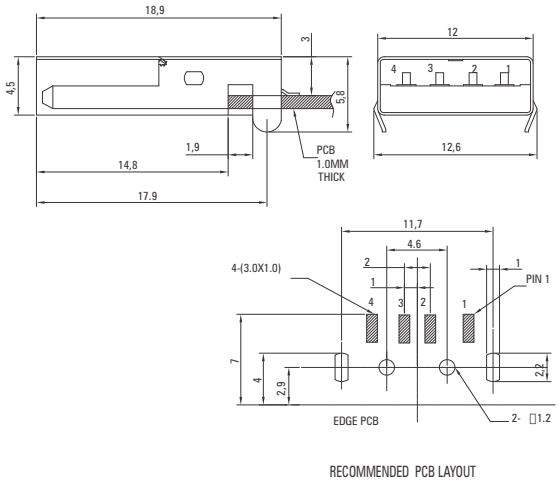
P707PA104-5





USB A TYPE, Right Angle Surface Mount

P707PMA04-5





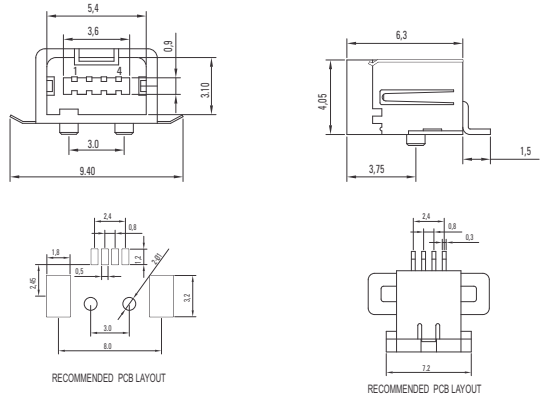
MINI USB FEMALE CONNECTORS

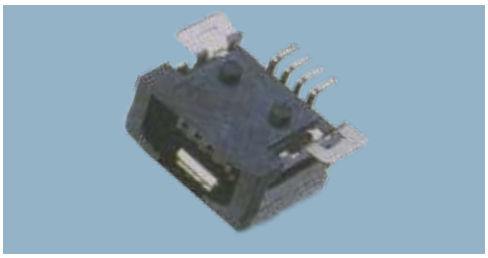
Specifications

Current Rating	:	1.5 A max.
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	1000MΩ min. At 500 V DC
Dielectric Withstanding	:	500 V AC \ for 1 min
Temperature Range	:	-55°C to +105°C
Insertion Force	:	30 N max
Extraction Force	:	10 N min

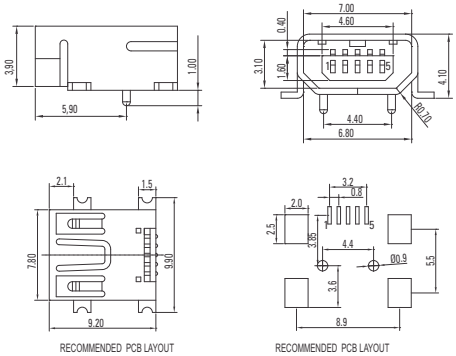
Material & Finish	:	
Contact	:	Copper Alloy, Selective Gold Plated
Insulator	:	Nylon PA9TGF
Shell	:	Brass, Nickel Plated

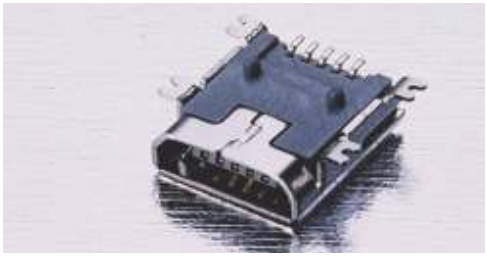
MINI USB A TYPE , Surface Mount — P707MA-04-5



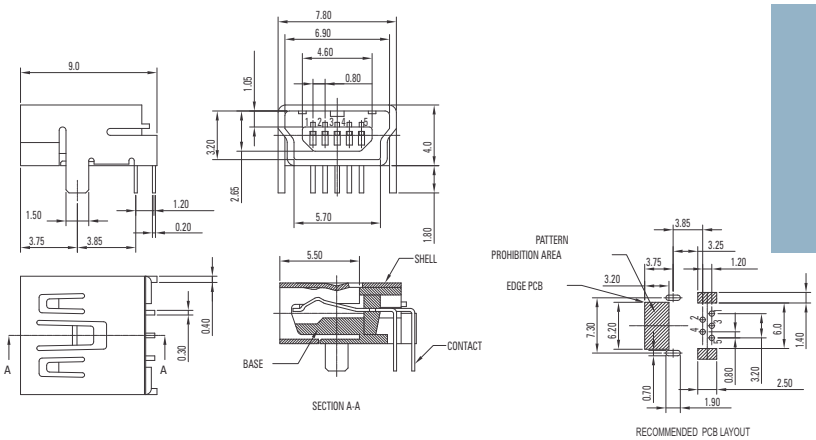


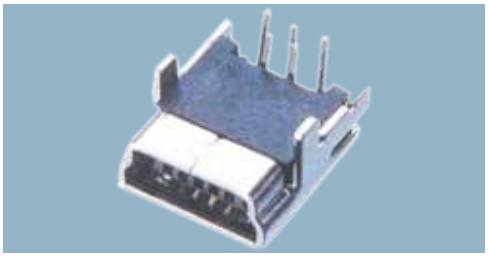
MINI USB AB TYPE, Surface Mount — P707MAB-05-1





MINI USB, B Type Right Angle — P707MB-05-4





PROTECTRON

MICRO USB B TYPE FEMALE CONNECTOR

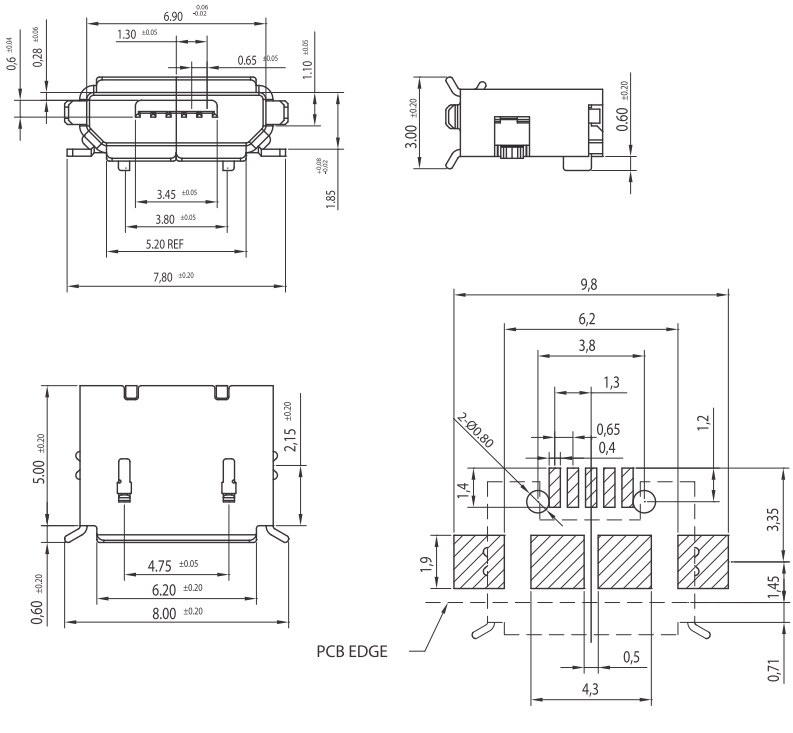
Specifications

Voltage Rating	:	5V AC RMS max
Current Rating	:	1.5 A max.
Contact Resistance	:	30mΩ max.
Insulation Resistance	:	100MΩ min. At 100 V DC
Dielectric Withstanding	:	100 V AC for 1 min
Temperature Range	:	-30°C To +85°C
Insertion Force	:	30 N max
Extraction Force	:	10 N min

Material & Finish	:	
Contact	:	Copper Alloy, Selective Gold Plated Gold on contact Area & Gold Flash on Solder Area
Insulator	:	High Temperature Thermal Plastic
Shell	:	Stainless Steel, Nickel Plated

MICRO USB B TYPE, Surface Amount — P707MIB-05-9





RECOMMENDED PCB LAYOUT

DC POWER JACKS

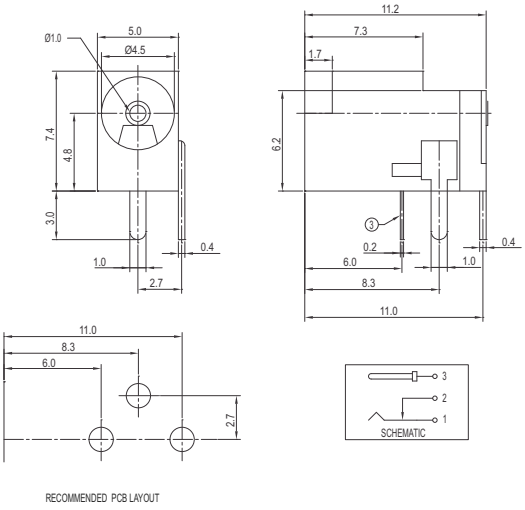
PDCJ-SERIES

Specifications

Contact Resistance	: 100mΩmax.
Insulation Resistance	: 100mΩ min.
Temperature Range	: -16°C To +60°C
Dielectric Withstanding	: 5000 V AC for 1minute

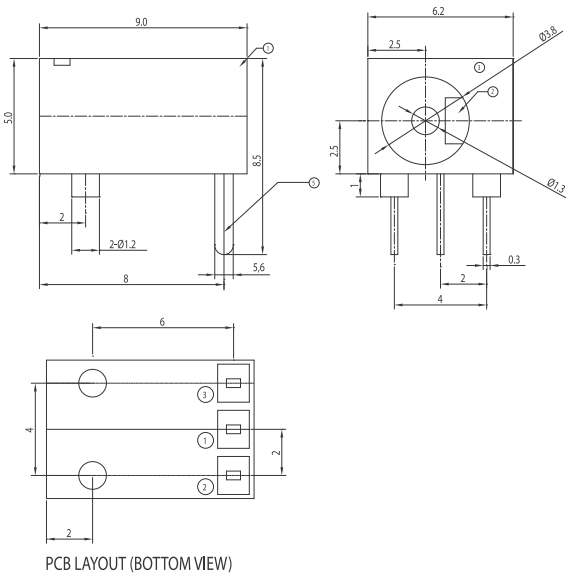
Material & Finish	
Crimp Contact	: Copper Alloy, Nickel Plated
Insulator	: PBT, GF OL94V-0/PC
Terminals	: Copper Alloy, Silver Plated

Ø1.0mm DC Power Jack, Right Angle — PDCJ06-01



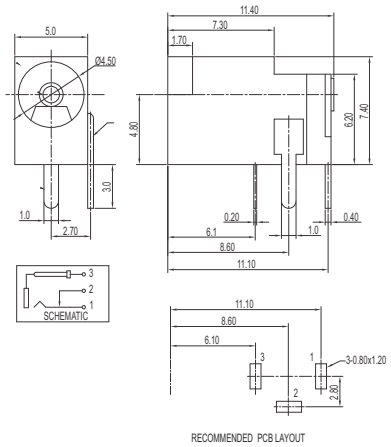


Ø1.30mm DC Power Jacks W/O Collar, Rectangular Type With Pegs — PDCJ01-03



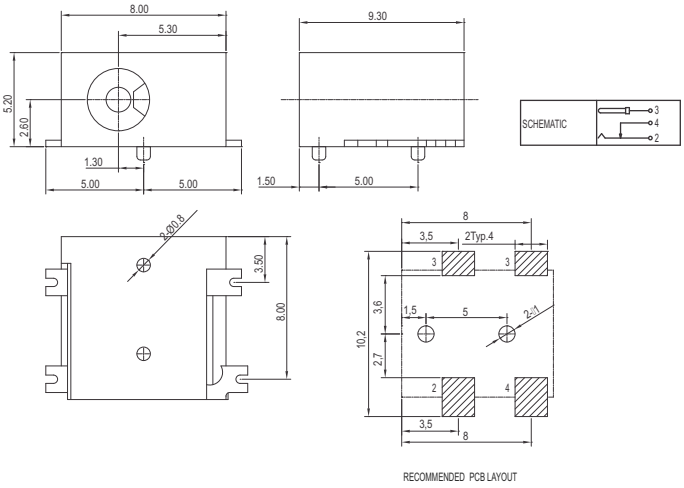


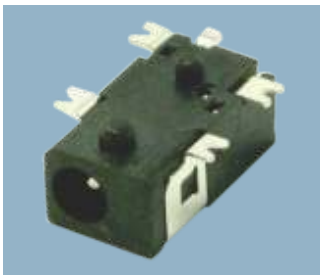
Ø1.30mm Mini DC Power Jack With 3 Terminals Right Angle — PDCJ01-04



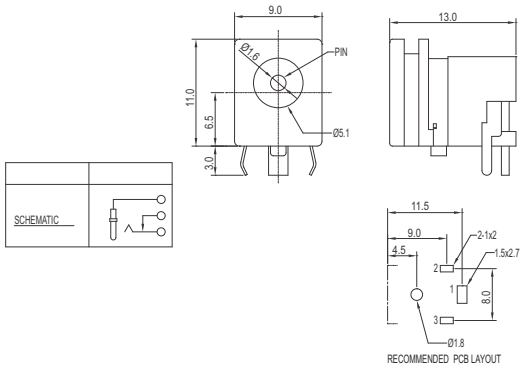


Ø1.30mm DC Power Jack, Surface Mount, Right Angle — PDCJ09-01



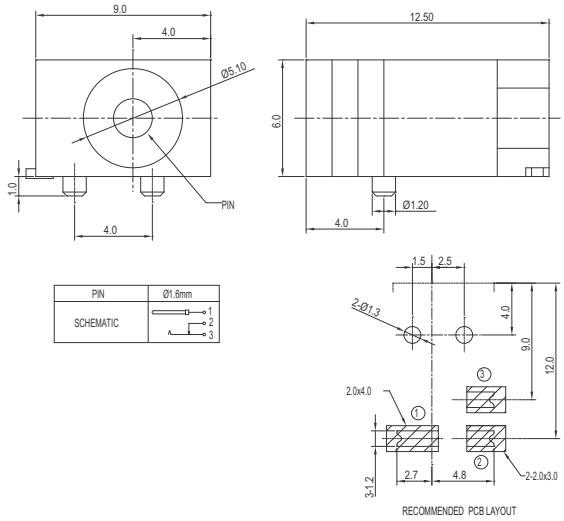


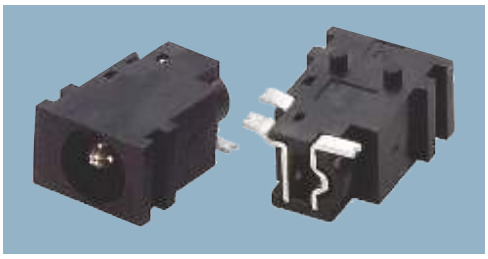
Ø1.65mm DC Power Jack With 3 Terminals Right Angle — PDCJ04-01



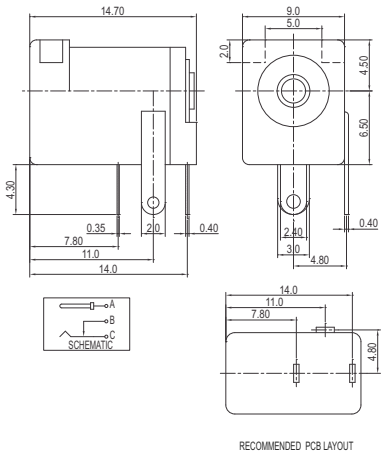


Ø1.65mm DC Power Jack, Rectangular Type With 3 Terminals Right Angle PDCJ07-01



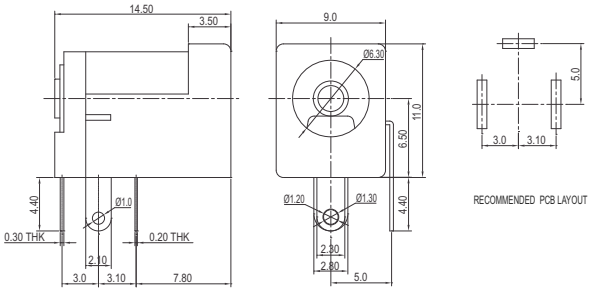


Ø2.0mm DC Power Jack (Locking Option), Right Angle PDCJ01-01



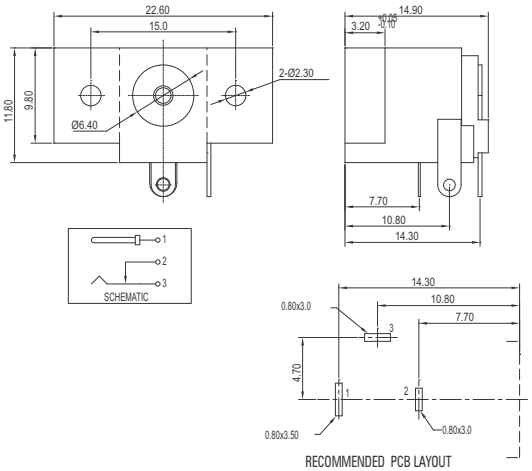


Ø2.0mm DC Power Jack (Without Locking Option), Right Angle PDCJ01-02



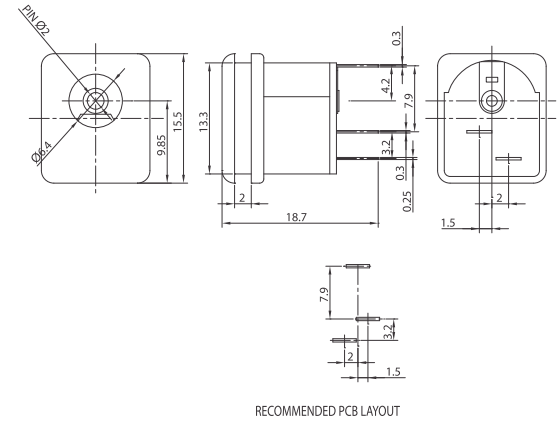


Ø2.0mm DC Power Jack With Flange, Right Angle — PDCJ02-01



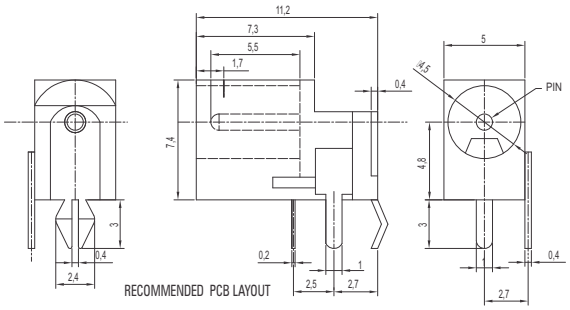


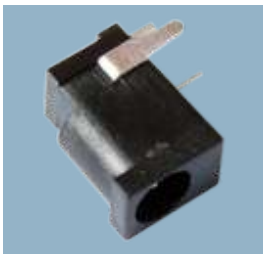
Ø2.0mm DC Power Jack Squre Body Straight — PDCJ08-01



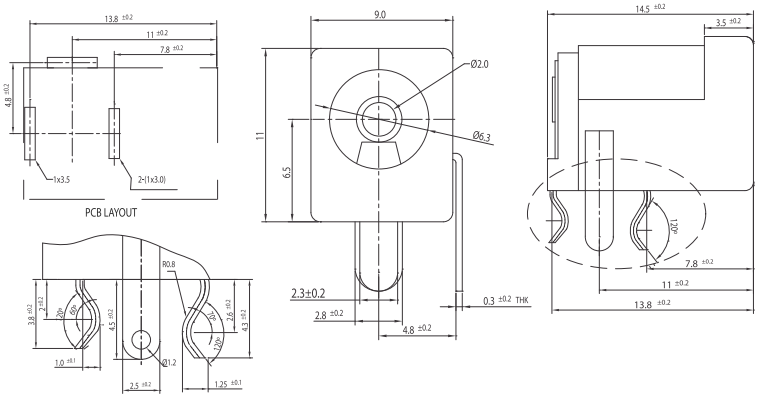


Ø1.3mm DC Power Jack With 1PIN Kink, Right Angle — PDCJ05-01



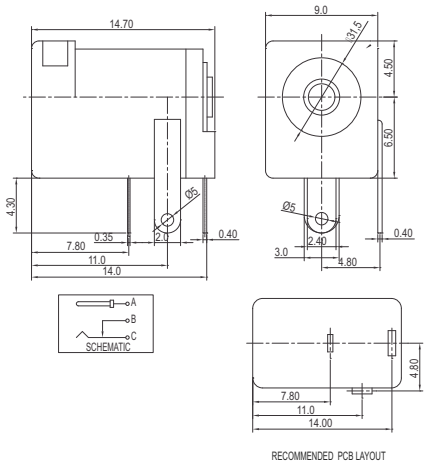


Ø2.0mm DC Power Jack With 2 PINs Kink, Right Angle — PDCJ01-02K

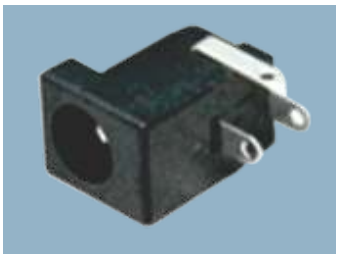




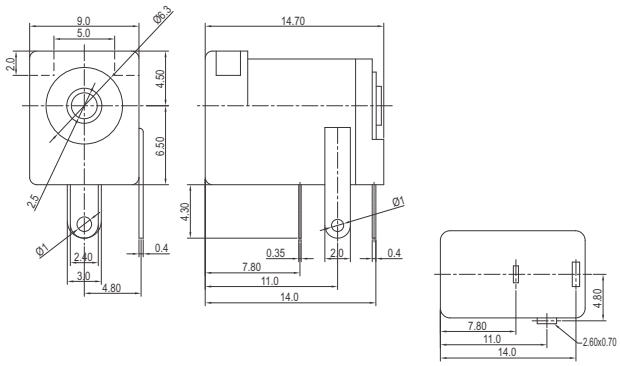
Ø2.50mm Mini DC Power Jack, Right Angle — PDCJ01-07



RECOMMENDED PCB LAYOUT



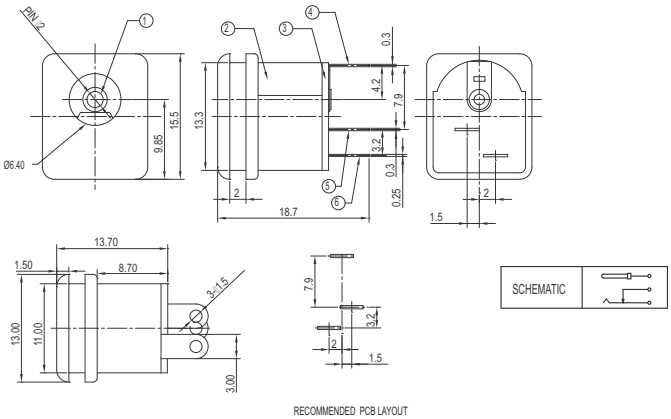
Ø2.50mm DC Power Jack (Locking Option), Right Angle — PDCJ01-08



RECOMMENDED PCB LAYOUT



Ø2.50mm DC Power Jack Square Body, Straight — PDCJ03-02

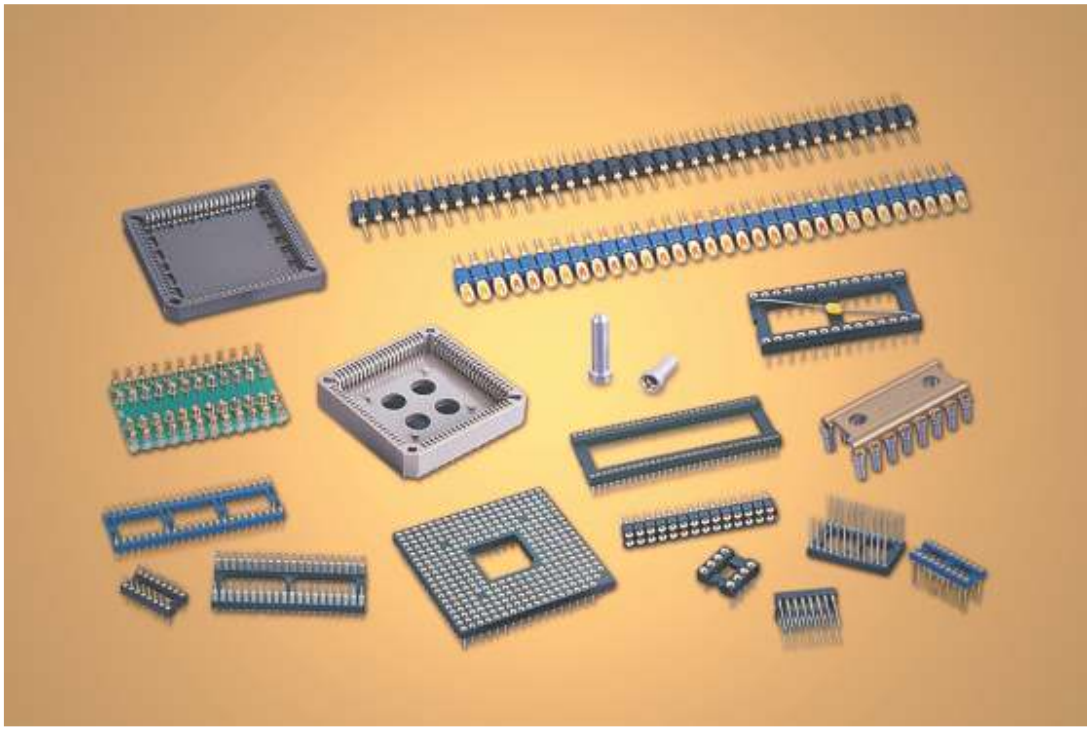


RECOMMENDED PCB LAYOUT



PROTECTRON

MACHINED CONTACT CONNECTORS



INTRODUCTION

INNER CLIP

The inner clip consists of 4 Leaf Springs, stamped and rounded to take strip/round male contacts at the bottom edge, facilitating lower insertion force, but high withdrawal force. This is an essential requirement for high density contact connectors. The contact engagement in this design is a sliding contact action, while disengagement is a recoiling action on male contacts. Contacts with lower insertion force can be made by using 6 leaf springs mostly for PGA Type Sockets.

OUTER SLEEVE

The outer sleeve is a machined enclosure, open at one end for insertion of Leaf Spring & the other end closed. The sleeve can be produced with different types of terminations. The closed end on termination side helps in elimination of solder flux wicking action during soldering process. The Leaf Springs are therefore protected against the damaging influences of the cleaning flux like corrosion, contact contamination & open contacts (created by solidification of flux on the mating areas which becomes an Insulating medium).

PLATING & FINISH

Inner Clip & Outer Sleeve can be separately plated to match different requirements of users. Popular plating of leaf spring is gold while that of the sleeve is tin. Tin plated leaf spring & sleeve can also be offered as a cost saving option, depending on the user's requirement.

INSULATORS

Sockets can be moulded using the latest electronic grade insulating materials like Polyester, Polyphenyledene Sulphide etc., meeting flammability grades 94V-0. For certain applications Glass Epoxy Sheets are also recommended as insulators, where interconnects between contacts has to be laid inside the layers eg. in Conversion Sockets.

ORDERING INFORMATION

To enable our customers to order our products easily and without error, we have designed this ordering code with great care, to help you to easily arrive at the code without any difficulty.

Supposing you want to order a IC Socket, 0.6" Pitch, 28 Pin, 3.2 mm tail length, Inner contact gold plated 0.25µ, Outer sleeve tin plated 5µ, Capacitor type then the Part Number will be

P8 0 5 6 28 1 1 C
P8 0 5 X XX X X X

IC Socket Series

Pitch (Row to Row) P 8 0 5 X

- 0 = SIL
- 1 = 0.1" Pitch
- 3 = 0.3" Pitch
- 4 = 0.4" Pitch
- 6 = 0.6" Pitch
- 7 = 0.75" Pitch
- 9 = 0.9 Pitch

Number of Contacts XX

01 to 64

Type of Terminal X

- 0 = Flat Pin (No Mating)
- 1 = Solder Pin 3.2 mm Tail
- 2 = Solder Pin 4.2 mm Tail
- 3 = 2 Level Wirewrap 9.5 mm
- 4 = 3 Level Wirewrap 13 mm
- 5 = Adaptor Pin L-12 mm
- 6 = Bifurcated Pin
- 7 = Solder Cup Pin
- 8 = Turret Pin
- 9 = Interconnect Pin L-15.22 mm
- A = Solder Pin 2.4 mm Tail (Ultra flat)
- B = Solder Pin 2.8 mm Tail (Super flat)
- C = Headless Pin 3.2 mm Tail for Shrink dip
- D = Mini Spring Socket L-4.25 mm, I=3.45 mm
- E = Mini Spring Socket L-6.3 mm, I=5.5 mm
- F = Adaptor Pin L-10 mm, Ø0.76/Ø0.6
- G = Adaptor Pin L-10 mm, Ø0.46 mm
- H = Solder Pin 3.2 mm Tail w/o Fishook
- I = Solder Pin 7.6mm Tail
- J = Adaptor Pin L-12.0mm, Ø0.76/Ø0.53mm
- K = Flat Pin (no Mating) L-16.7mm, 2.9mm Tail
- L = Interconnect Pin L-22.1mm, Ø0.78/Ø0.53mm
- M = Interconnect Pin L-22.1mm, Ø.72mm
- N = Solder Pin L-18mm, 13.8mm Tail
- O = Solder Pin L-20.9mm
- P = Interconnect Pin L-22.6mm, Ø0.78/Ø0.53mm
- Q = Solder Pin L-4.2mm w/o Tail
- R = Adaptor Pin L-13.3mm, Ø0.76/Ø0.46mm
- S = Adaptor Pin L-16mm, Ø0.75mm
- U = Adaptor Pin L-16mm, Ø0.48/Ø0.53mm
- V = Solder Pin L-13.9mm, 9.6mm Tail
- W = Solder Pin L-8.9mm, 4.6mm Tail

Plating X

Inner Clip	Outer Sleeve
1 = 0.25µ Au	5µ Sn
2 = 0.75µ Au	5µ Sn
3 = 5µ Sn	5µ Sn
4 = 0.75µ Au	0.25µ Au

Additional Socket Identification X

- B = Shrink Dip
- C = Capacitor Type
- H = Solder Version
- I = Plug-in Version

FOR AVAILABILITY OF THE REQUIRED COMBINATION CHECK INDIVIDUAL DATA SHEETS

TECHNICAL SPECIFICATIONS FOR IC SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Glass filled polyester, self extinguishing, rated UL94 V-0
Outer Sleeve	Screw machined brass, plated 0.25 micron gold or 5 micron Tin - lead over nickel plate
Inner Clip	Beryllium - Copper, heat - treated, gold or Tin plated
Pins (Without Inner Clip)	Screw machined brass or phosphor bronze Plated 0.25 microns gold or 5 microns Tin over nickel plate

Mechanical Properties

Mechanical life : 50 cycles
Insertion force : Average insertion force with steel pin dia 0.41 =< 2 N (0.2 Kg)
Extraction force : Average withdrawal force with steel pin dia 0.41 = > 0.5 N (0.05 Kg)

Type of Clip

4 Finger stamped contact
Minimum insertion depth : 2.6 mm
Maximum insertion depth : 3.6 mm

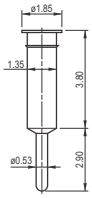
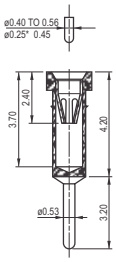
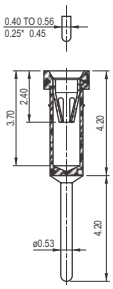
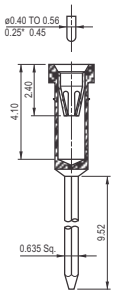
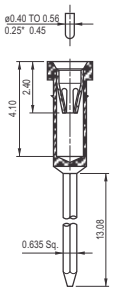
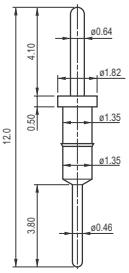
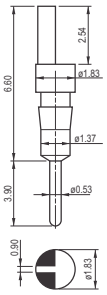
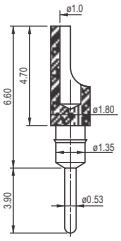
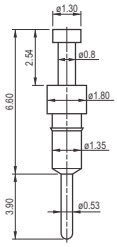
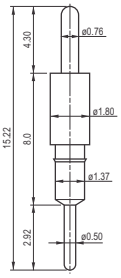
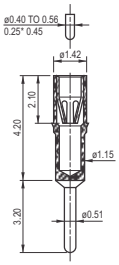
Electrical Properties

Rated current : 1 A
Rated voltage : 100 V AC
Voltage proof : 600 V AC
Contact Resistance : ≤20 m ohms.
Insulation resistance : ≥5000 M ohms @ 500 V DC
Capacitance : 0.3Pf Max. (1Pf for shrink dip series)

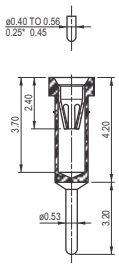
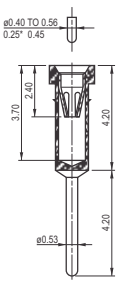
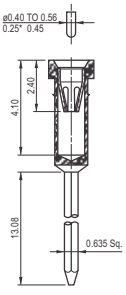
Environmental Properties

Operating temperature range : -65°C, +125°C
Resistance to soldering heat : +260°C, 10 seconds
Environment category : 65 / 125 / 21

PIN LAYOUT

			
0 = Flat Pin	1 = Solder Pin 3.20mm Tail	2 = Solder Pin 4.20mm Tail	3 = 2 Level W/W 9.5mm
			
4 = 3 Level W/W 13mm	5 = Adaptor Pin	6 = Bifurcated Pin	7 = Solder Cup Pin
			
8 = Turret Pin	9 = Interconnect Pin	C = Headless Pin 3.2mm Tail	

PIN LAYOUT - PGA SOCKETS

			
D = 3.2mm Tail PGA Pin	E = 4.2mm Tail PGA Pin	F = 13mm PGA W/W	

DUAL IN - LINE SOCKETS STANDARD SOLDER TAIL

OPEN FRAME

Features

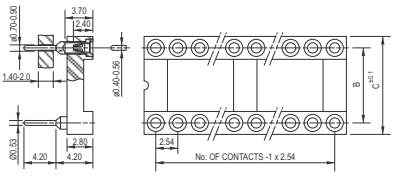
- End to end, side to side stackable
- No solder vicking
- Stands 4.2mm high on PCB
- Lead spacing 2.54mm
- Takes IC pins 0.43 dia / 0.25 x 0.45 flat construction
- Pin insertion depth, 3.2mm min.



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	 Outer Sleeve
P805	1 = 0.1" Pitch 3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	01 to 64	1 = PC Pin 3.2mm 2 = PC Pin 4.2mm	1 = 0.25μ Au 2 = 0.75μ Au 3 = 5μ Sn 4 = 0.75μ Au	5μ Sn 5μ Sn 5μ Sn 0.25μ Au

B: 2.54 mm (0.1") C: 5.08 mm	B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B:15.24 mm (0.6") C:17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm
P8051-XX-XX ↓ 02 to 80 contacts	P8053 - 04 - XX P8053 - 06 - XX P8053 - 08 - XX P8053 - 10 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX P8053 - 22 - XX P8053 - 24 - XX P8053 - 28 - XX	P8054 - 22 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 32 - XX P8056 - 40 - XX P8056 - 42 - XX P8056 - 48 - XX	P8059 - 64 - XX



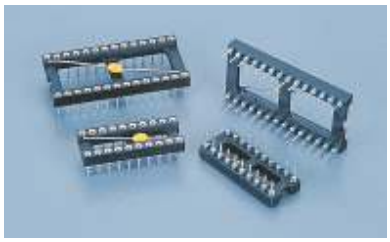
B: Pitch Row to Row
C: Total Socket Width

DUAL IN - LINE SOCKETS WITH INTEGRATED DECOUPLING CAPACITOR

OPEN FRAME

Features

- End to end, side to side stackable
- No solder vicking
- Stands 4.2mm high on PCB
- Lead spacing 2.54 mm
- Output pins integrated with decoupling capacitor
- Open insulator frame

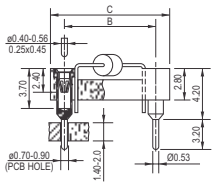


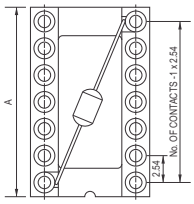
B: Pitch Row to Row
C: Total Socket Width

ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	 Outer Sleeve	
P805	3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	01 to 64	1 = PC Pin 3.2 mm 2 = PC Pin 4.2 mm	1 = 0.25μ Au 2 = 0.75μ Au 3 = 5μ Sn 4 = 0.75μ Au	5μ Sn 5μ Sn 5μ Sn 0.25 μ Au	C: Capacitor 0.1 μ F 50 V

B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B:15.24 mm (0.6") C:17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm
P8053 - 14 - XXC P8053 - 16 - XXC P8053 - 18 - XXC P8053 - 20 - XXC P8053 - 24 - XXC P8053 - 28 - XXC	P8054 - 22 - XXC	P8056 - 24 - XXC P8056 - 28 - XXC P8056 - 40 - XXC	Not available





DUAL IN - LINE SOCKETS
WIRE WRAP 2, 3 LEVEL

OPEN FRAME

Features

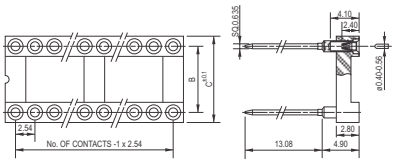
- End to end, side to side stackable
- No solder vicking
- Lead spacing 2.54 mm
- 2 & 3 level Wirewrap
- Stands 4.9 mm on PCB



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	 Outer Sleeve
P805	1 = 0.1" Pitch 3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	01 to 64	3 = 2 level W/W 9.52 mm 4 = 3 level W/W 1.3 mm	1 = 0.25 µ Au 2 = 0.75 µ Au 3 = 5 µ Sn 4 = 0.75 µ Au	5 µ Sn 5 µ Sn 5 µ Sn 0.25 µ Au

B: 2.54 mm (0.1") C: 5.08 mm	B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm
P8051-XX-XX ↓ 02 to 80 Contacts	P8053 - 04 - XX P8053 - 06 - XX P8053 - 08 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX P8053 - 22 - XX P8053 - 24 - XX P8053 - 28 - XX	P8054 - 22 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 32 - XX P8056 - 40 - XX P8056 - 42 - XX P8056 - 48 - XX	P8059 - 64 - XX



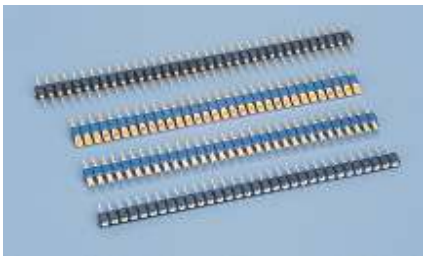
B: Pitch Row to Row
C: Total Socket Width

PROTECTRON

SINGLE IN - LINE SOCKETS

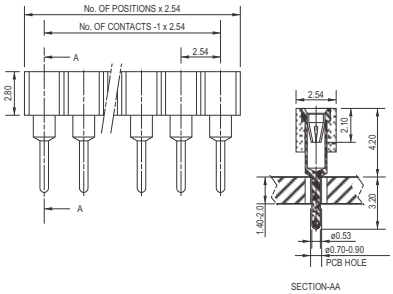
Features

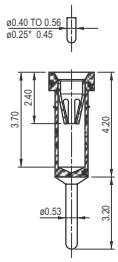
- Can be cut easily into required sizes
- Lead spacing 2.54mm
- Easy to stack
- Available in specific length



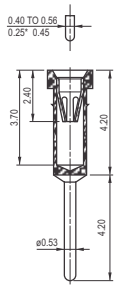
ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	 Outer Sleeve
P805	0 = SIL	01 to 64	1 = Solder Pin 3.2 mm tail	1 = 0.25 μ Au	5 μ Sn
			2 = Solder Pin 4.2 mm tail	2 = 0.75 μ Au	5 μ Sn
			3 = 2 Level Wirewrap	3 = 5 μ Sn	5 μ Sn
			4 = 3 Level Wirewrap	4 = 0.75 μ Au	0.25 μ Au
			5 = Adaptor Pin	ℙ - For 5 to 9 type of pin	
			6 = Bifurcated Pin	1= 5 μ Sn	
		ℙ	7 = Solder Cup Pin	4 = 0.25 μ Au	
			8 = Turret Pin		
			9 = Interconnect Pin		
			For other type of pins refer pg-51		

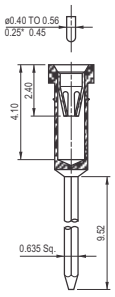




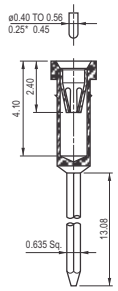
1 = Solder Pin 3.20mm Tail



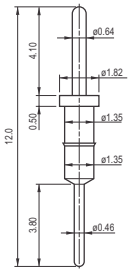
2 = Solder Pin 4.20mm Tail



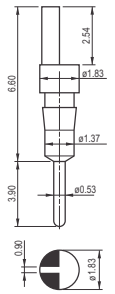
3 = 2 Level W/W 9.5mm



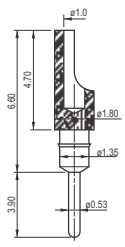
4 = 3 Level W/W 13mm



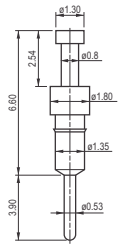
5 = Adaptor Pin



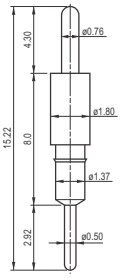
6 = Bifurcated Pin



7 = Solder Cup Pin



8 = Turret Pin



9 = Interconnect Pin

DUAL IN - LINE ADAPTORS STANDARD SOLDER TAIL

OPEN FRAME

Features

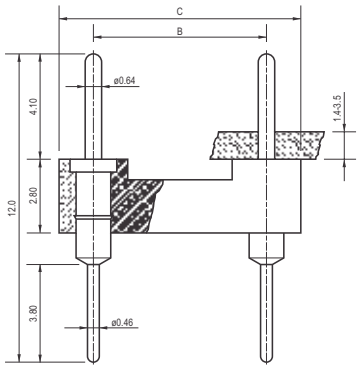
- Straight solderable sockets with 0.46 mm
- For piggy back constructions
- Lead spacing 2.54 mm
- Also available with different pin lengths, on request



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Pin Plating
P805	1 = 0.1" Pitch 3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	01 to 64	5 = Adaptor Pin 6 = Bifurcated Pin 7 = Solder Cup Pin 8 = Turret Pin 9 = Interconnect Pin For other type of terminals, refer pg-51	1 = 5 μ Sn 4 = 0.25 μ Au

B: 2.54 mm (0.1") C: 5.08 mm	B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 22.86 mm (0.9") C: 25.3 mm
P8051-XX-XX ↓ 02 to 80 Contacts	P8053 - 04 - XX P8053 - 06 - XX P8053 - 08 - XX P8053 - 10 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX P8053 - 22 - XX P8053 - 28 - XX	P8054 - 22 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 32 - XX P8056 - 40 - XX P8056 - 42 - XX P8056 - 48 - XX	P8059 - 64 - XX



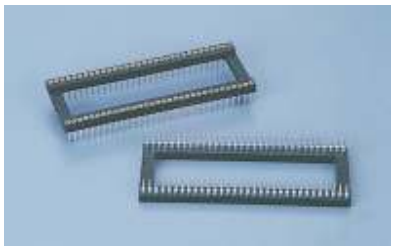
B: Pitch Row to Row
C: Total Socket Width

SHRINK DIP SOCKETS AND STRIPS SOLDER TAIL

OPEN FRAME

Features

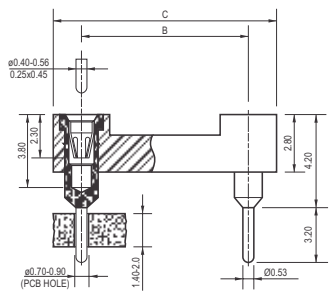
- End to end, side to side, stackable
- No solder vicking
- Stands 4.2 mm high on PCB
- Open Frame
- Lead spacing 0.07" (1.778 mm)



ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	Outer Sleeve	
P805	3 = 0.3" Pitch 4 = 0.4" Pitch 6 = 0.6" Pitch 7 = 0.75" Pitch	01 to 64	C = PC Pin 3.2 mm Tail	1 = 0.25 μ Au 2 = 0.75 μ Au 3 = 5μ Sn	5μ Sn 5μ Sn 5μ Sn	B : Shrink Dip

B: 7.62 mm (0.3") C: 10.1 mm	B: 10.16 mm (0.4") C: 12.6 mm	B: 15.24 mm (0.6") C: 17.7 mm	B: 19.05 mm (0.75") C: 21.59 mm
P8053 - 16 - XXB	P8054 - 28 - XXB P8054 - 30 - XXB P8054 - 32 - XXB P8054 - 48 - XXB	P8056 - 28 - XXB P8056 - 40 - XXB P8056 - 42 - XXB P8056 - 48 - XXB P8056 - 52 - XXB P8056 - 64 - XXB P8056 - 68 - XXB SINGLE ROW STRIPS P8050 - 21 - XXB	P8057 - 64 - XXB



B: Pitch Row to Row
C: Total Socket Width

PROTECTRON

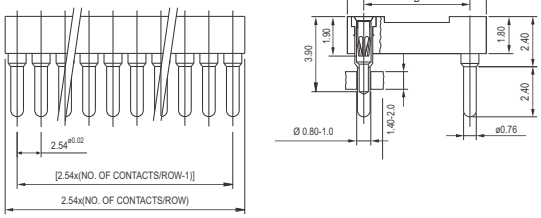
DUAL IN-LINE SOCKETS ULTRA FLAT

OPEN FRAME

Features

- Uses Ultraflat, open frame socket body
- 4 finger short clip
- Contact point at 1.9mm
- Ultraflat profile only
- Lead spacing 2.54mm
- Stands 2.4mm on PCB
- Hole drilled into solder tail to allow proper IC insertion
- Fits standard PC board holes





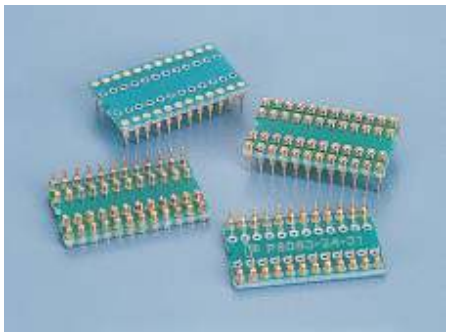
ORDERING INFORMATION

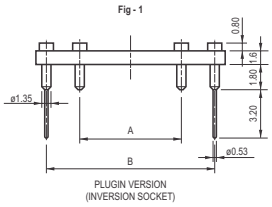
P805 IC Socket Series	X Row Pitch Spacing	XX Number of Contacts	X Type of Pin	X Plating Inner Clip	outer sleeve	
P805	3=0.3" Pitch 4=0.4" Pitch 6=0.6" Pitch	01 to 64	A-Solder Pin 2.4mm Tail	1=0.25µ Au 2=0.75µ Au 3=5µ Sn 4=0.75µ Au	5µ Sn 5µ Sn 5µ Sn 5µ Sn	D=Ultra Pin
B:7.62mm (0.3") C=10.1mm			B=10.16mm (0.4") C=12.6mm		B=15.25mm (0.6") C=17.7mm	
P8053-04-XXD P8053-06-XXD P8053-08-XXD P8053-10-XXD P8053-14-XXD P8053-16-XXD P8053-18-XXD P8053-20-XXD P8053-22-XXD P8053-24-XXD P8053-28-XXD			P8054-22-XXD P8054-24-XXD P8054-28-XXD P8054-32-XXD		P8056-24-XXD P8056-28-XXD P8056-32-XXD P8056-36-XXD P8056-40-XXD P8056-42-XXD P8056-48-XXD P8056-50-XXD P8056-52-XXD	

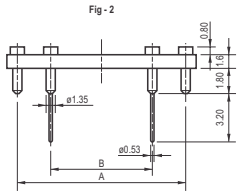
CONVERSION SOCKETS

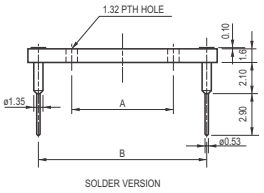
Features

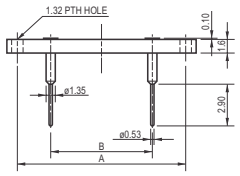
- Easy to stack
- Available to specific design
- Please specify dimensions A, B, C, D
- Lead spacing 2.54 mm
- IC can be Plug-in or Soldered
- Glass epoxy insulators
- Converts 1. Lower row spacing DIL IC / s to higher row PC board.
  2. Higher row spacing DIL IC / s to lower row PC board.









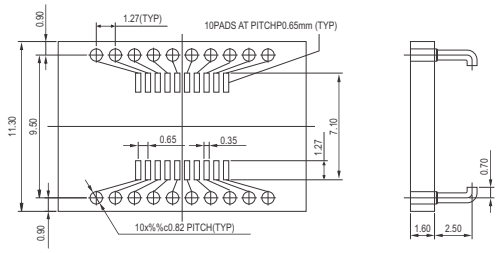


ORDERING INFORMATION

P805 Conversion Socket Series	X Row Conversion From B to A & A to B	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	X Plating Outer Sleeve	X
P805	0.3" to 0.6" = A	04	℗ 0 = Flat Pin	1 = 0.25 µ Au	5 µ Sn	H = Solder
Fig 2	0.4" to 0.6" = B	to	(No mating)	2 = 0.75 µ Au	5 µ Sn	Version
	0.3" to 0.9" = C	64	1 = Solder Pin	3 = 5 µ Sn	5 µ Sn	I = Plug-in
			3.2 mm Tail	4 = 0.75 µ Au	0.25 µ Au	Version
	0.6" to 0.3" = D			℗ - For 0 type of pin		
Fig 1	0.6" to 0.4" = E			1 = 5 µ Sn		
	0.9" to 0.3" = F			4 = 0.25 µ Au		
	0.3" to 0.3" = G					

SOJ to SOWIC Adaptor

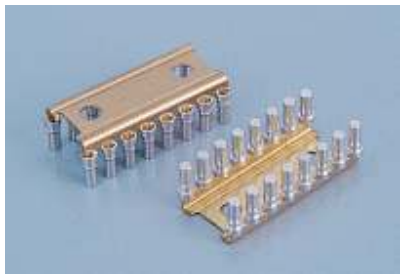
P805K-20-54S





PROTECTRON

DUAL IN - LINE SOCKETS
METAL CARRIER



Specification

Same as IC Sockets

Material & Finish

Body : Brass
Outer Sleeve : Brass, Tin-Lead Plated
Inner Clip : Beryllium Copper, Gold-Plated

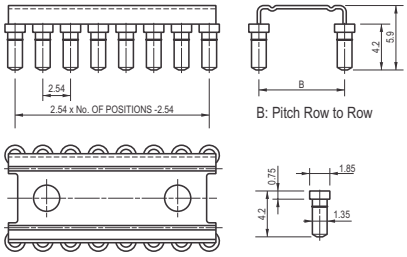
Features

- Excellent air-cooling of IC's
- Very low profile. Board can be drilled so that the contacts can be Inserted down to the shoulder leaving max. profile above board of 0.78mm
- Higher packaging density
- No flux intrusion after soldering

ORDERING INFORMATION

P805 IC Socket Series	X Row Pitch Spacing	M	XX Number of Contacts	X Type of Pins	X Plating Inner Clip	 Outer Sleeve
P805	3 = 0.3" Pitch 6 = 0.6" Pitch 9 = 0.9" Pitch	Metal carrier	01 to 64	1 = PC pin 3.2mm 2 = PC pin 4.2mm D= Mini Spring Skt, L- 4.25mm, I=3.45mm E= Mini Spring Skt, L- 6.3mm, I=5.5mm Q = Solder pin w/o tail (L-4.2mm)	1 = 0.25 µ Au 3 = 5 µ Sn	5 µ Sn 5 µ Sn

B: 7.62mm (0.3")	B: 15.24 mm (0.6")	B: 22.86 mm (0.9")m
P8053 - 06 - XX P8053 - 08 - XX P8053 - 14 - XX P8053 - 16 - XX P8053 - 18 - XX P8053 - 20 - XX	P8056 - 24 - XX P8056 - 28 - XX P8056 - 40 - XX Note: For further details, check with factory.	P8059 - 64 - XX



MINI SPRING SOCKETS

P8040 Series



Specification

Same as IC Sockets

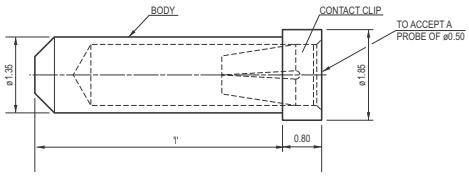
Material & Finish

Outer Sleeve : Brass, Tin-Lead Plated
Inner Clip : Beryllium Copper, Gold Plated

Features

- Accepts mating pins of size Ø0.50±0.05mm
- Sockets are solder mount types
- Available in two lengths
- Mounting Hole Dia is Ø1.35+0/-0.02mm

Finish	Part Number	
	I = 3.45mm	I = 5.50mm
Tin Plated	P8040-19-32-0	P8040-19-32-L



TECHNICAL SPECIFICATIONS FOR PGA SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Glass filled thermoplastic polyester, self extinguishing, rated UL94 V-0 or Glass Epoxy Laminate
Outer Sleeve	Screw machined brass, gold or Tin plated
Inner Clip	Beryllium - Copper, heat - treated, gold or Tin plated
Pins (Without Inner Clip)	Screw machined brass plated 0.25 microns gold or 5 microns tin - lead over nickel plate

Mechanical Properties

Mechanical life : 50 Cycles (min)
Insertion force : Average insertion force with steel dia 0.41 = < 1 N (0.1 Kg)
Extraction force : Average withdrawal force with steel pin dia 0.41 = > 0.15 N (0.015 Kg)

Type of Clip

6 Finger stamped contact
Minimum insertion depth : 2.6 mm
Maximum insertion depth : 3.6 mm

Electrical Properties

Rated current : 1 A
Rated voltage : 100 V AC
Voltage proof : 600 V AC
Contact resistance : ≤20 m ohms
Insulation resistance : ≥5000 M ohms @ 500 V DC

Environmental Properties

Operating temperature range : –65° C, +125° C
Resistance to soldering heat : +260° C, 10 seconds
Environment category : 65 / 125 / 21

PIN GRID ARRAY SOCKETS

SERIES PGA

Dimension with n1 = number of contacts in one line (5≤n1≥21)

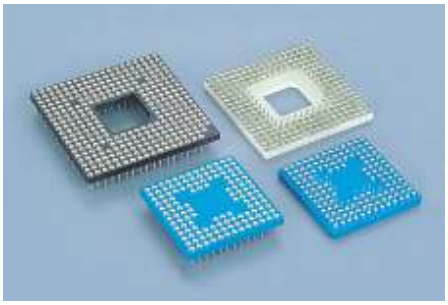
and n2 = characteristic size of the window (3≤n2≥10)

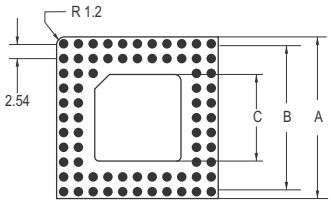
The dimensions can be calculated :

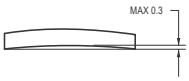
♦For moulded polyester bodies	♦For machined glass-epoxy bodies
A = n1 x 2.54	A = n1 x 2.54 + 1.27
B = (n1-1) x 2.54	B = (n1-1) x 2.54
C = (n2 x 2.54) - 0.40	C = (n2 x 2.54) - 0.40

Insulator thickness

♦ For moulded polyester bodies	♦ For machined glass - epoxy bodies
$2.8\ ^{\pm 0.3}_{0.3}$ mm	1.6 ± 0.1 mm







Features

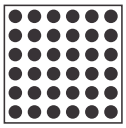
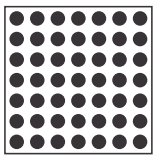
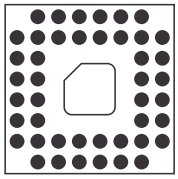
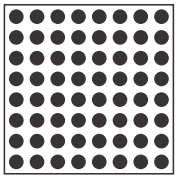
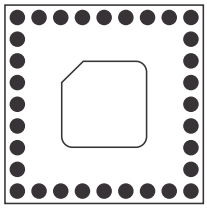
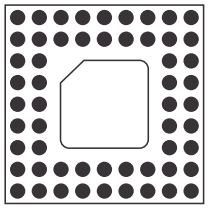
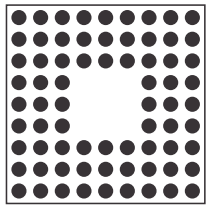
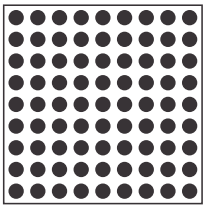
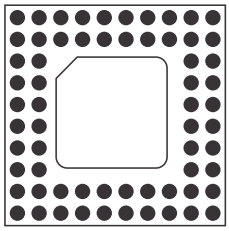
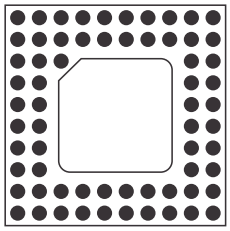
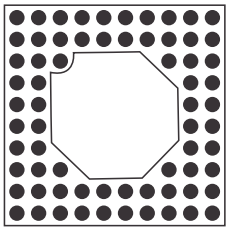
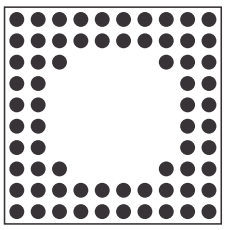
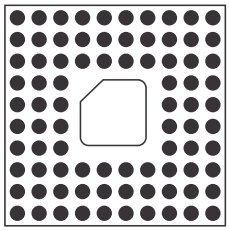
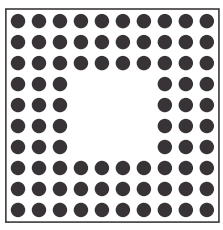
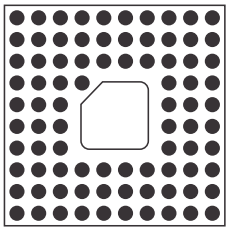
- High density connecting devices for PGA Chips.
- Low contact insertion and withdrawal forces.
- Available in various pin grid sizes, pin counts & staggered versions.
- Any combination of pin grid & contact loading can be supplied.
- Insulator of glass filled thermoplastic or fiberglass epoxy available.
- With or without window.

ORDERING INFORMATION

PX PGA Socket Series	XX Grid Size Spacing	XXX Number of Contacts	X Size of window	X Tail Type	X Plating Inner Clip	 Outer Sleeve
A - Grid Array SKT Polyester Insulator	05 = 5x5 06 = 6x6 07 = 7x7	025 to 999	A = No Window B C	A = Solder Pin 3 mm Tail, accepts Ø0.7 - Ø0.8 mm B = Interconnect Pin L=15.2 mm	1 = 0.25 µ Au 2 = 0.75 µ Au 3 = 5 µ Sn	5 µ Sn 5 µ Sn 5 µ Sn
H - Grid Array SKT Glass Epoxy Insulator	08 = 8x8 09 = 9x9 10 = 10x10		D E For F Window	C = Interconnect Pin L=18.8 mm D = PGA Solder Pin 3.20mm Tail E = PGA Solder Pin 4.2 mm Tail	4 = 0.75 µ Au	0.25 µ Au
F - Grid Array SKT Staggered contacts Glass Epoxy Insulator	11 = 11x11 12 = 12x12 13 = 13x13 14 = 14x14		G Sizes H refer I sheets J	F = 3 level PGA w/w ℗ G = Solder Pin 3.9 mm Tail 5 = Adaptor Pin ℗*	℗* - For type 5 pin 1 = 5 µ Sn 4 = 0.25 µ Au	
G - Grid Array SKT Zig Zag type 1.6 mm thickness	15 = 15x15 16 = 16x16 17 = 17x17 18 = 18x18 19 = 19x19 20 = 20x20 21 = 21x21		K L M	℗ - Not available on High Density staggered PGA Socket version		

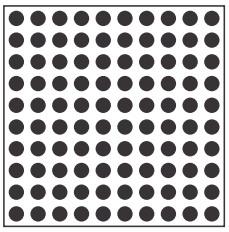
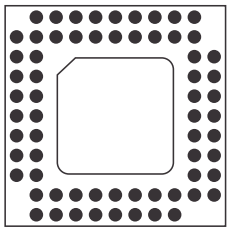
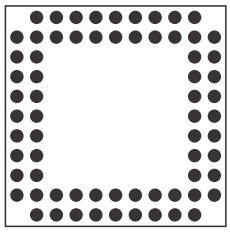
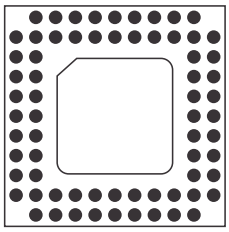
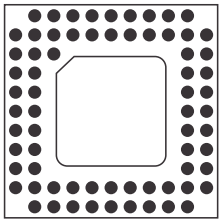
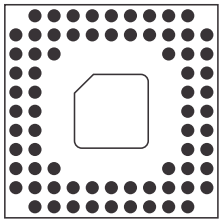
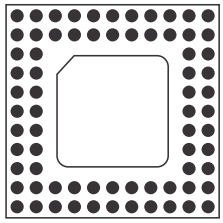
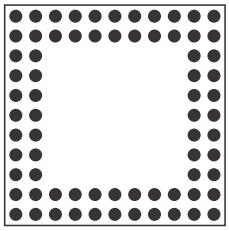
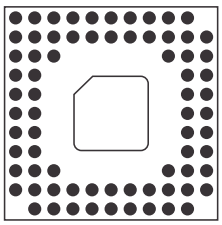
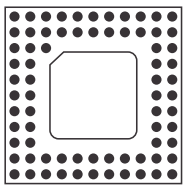
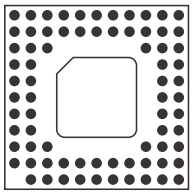
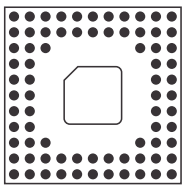
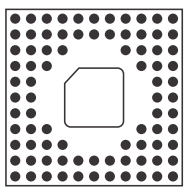
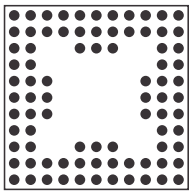
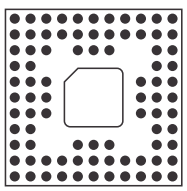
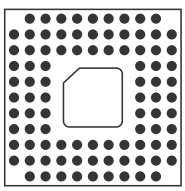
PIN GRID ARRAY SOCKETS
STANDARD FOOT PRINTS

SERIES PGA

5 x 5 25 Pins 	6 x 6 36 Pins 	7 x 7 49 Pins 	8 x 8 44 Pins 
PX - 05 - 025 - AXX	PX - 06 - 036 - AXX	PX - 07 - 049 - AXX	PX - 08 - 044 - BXX
8 x 8 64 Pins 	9 x 9 32 Pins 	9 x 9 56 Pins 	9 x 9 72 Pins 
PX - 08 - 064 - AXX	PX - 09 - 032 - CXX	PX - 09 - 056 - CXX	PX - 09 - 072 - AXX
9 x 9 81 Pins 	10 x 10 64 Pins 	10 x 10 65 Pins 	10 x 10 68 Pins 
PX - 09 - 081 - AXX	PX - 10 - 064 - DXX	PX - 10 - 065 - DXX	PX - 10 - 068 - OXX
10 x 10 68 Pins 	10 x 10 84 Pins 	10 x 10 84 Pins 	10 x 10 85 Pins 
PX - 10 - 068 - AXX	PX - 10 - 084 - BXX	PX - 10 - 084 - AXX	PX - 10 - 085 - BXX

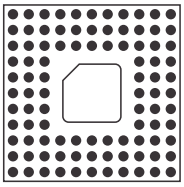
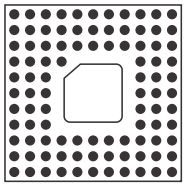
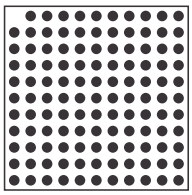
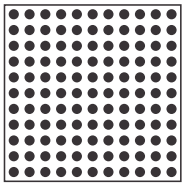
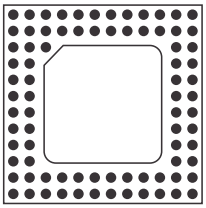
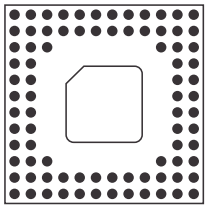
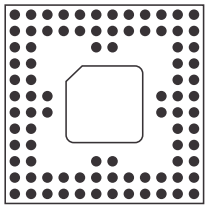
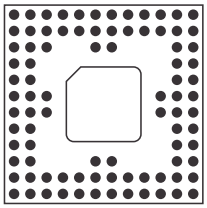
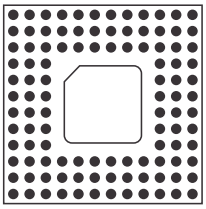
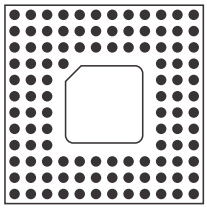
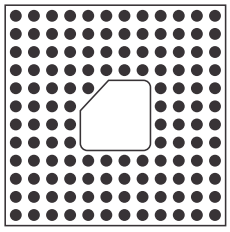
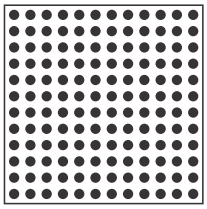
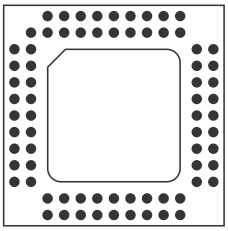
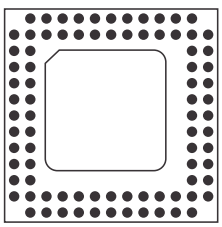
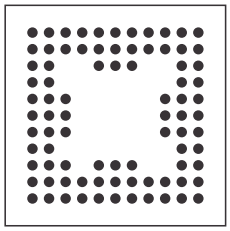
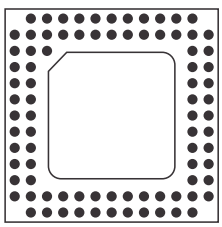
PIN GRID ARRAY SOCKETS
STANDARD FOOT PRINTS

SERIES PGA

10 x 10 — 100 Pins 	11 x 11 — 65 Pins 	11 x 11 — 68 Pins 	11 x 11 — 68 Pins 
PX - 10 - 100 - AXX	PX - 11 - 065 - EXX	PX - 11 - 068 - AXX	PX - 11 - 068 - EXX
11 x 11 — 69 Pins 	11 x 11 — 72 Pins 	11 x 11 — 72 Pins 	11 x 11 — 72 Pins 
PX - 11 - 069 - EXX	PX - 11 - 072 - CXX	PX - 11 - 072 - EXX	PX - 11 - 072 - AXX
11 x 11 — 73 Pins 	11 x 11 — 73 Pins 	11 x 11 — 75 Pins 	11 x 11 — 76 Pins 
PX - 11 - 073 - CXX	PX - 11 - 073 - EXX	PX - 11 - 075 - DXX	PX - 11 - 076 - CXX
11 x 11 — 84 Pins 	11 x 11 — 84 Pins 	11 x 11 — 85 Pins 	11 x 11 — 92 Pins 
PX - 11 - 084 - CXX	PX - 11 - 084 - AXX	PX - 11 - 085 - CXX	PX - 11 - 092 - CXX

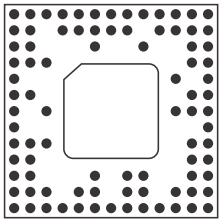
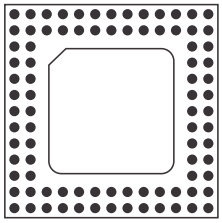
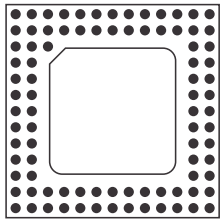
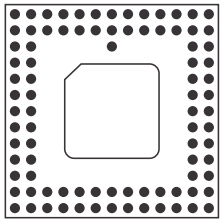
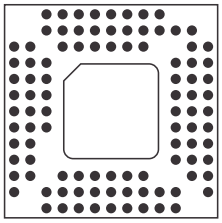
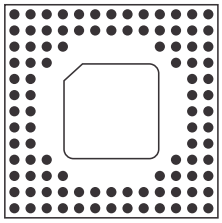
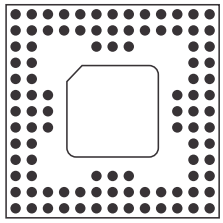
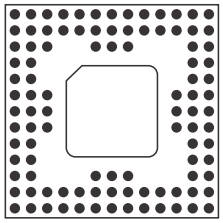
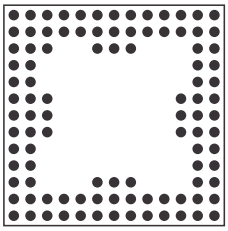
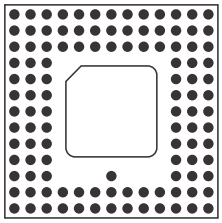
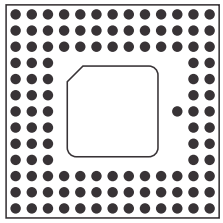
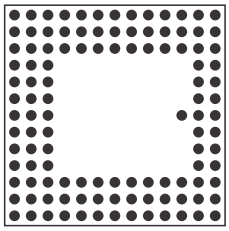
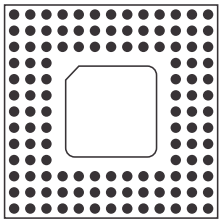
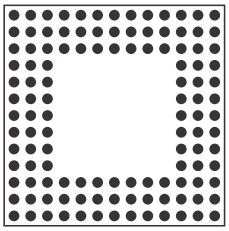
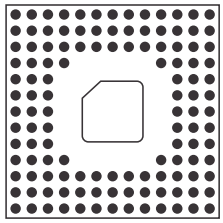
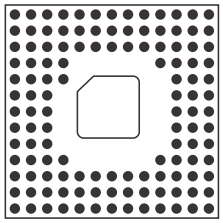
PIN GRID ARRAY SOCKETS
STANDARD FOOT PRINTS

SERIES PGA

11 x 11 96 Pins 	11 x 11 97 Pins 	11 x 11 120 Pins 	11 x 11 121 Pins 
PX - 11 - 096 - CXX	PX - 11 - 097 - CXX	PX - 11 - 120 - AXX	PX - 11 - 121 - AXX
12 x 12 81 Pins 	12 x 12 84 Pins 	12 x 12 88 Pins 	12 x 12 89 Pins 
PX - 12 - 081 - FXX	PX - 12 - 084 - DXX	PX - 12 - 088 - DXX	PX - 12 - 089 - DXX
12 x 12 108 Pins 	12 x 12 109 Pins 	12 x 12 129 Pins 	12 x 12 144 Pins 
PX - 12 - 108 - DXX	PX - 12 - 109 - DXX	PX - 12 - 129 - CXX	PX - 12 - 144 - AXX
13 x 13 73 Pins 	13 x 13 84 Pins 	13 x 13 85 Pins 	13 x 13 85 Pins 
PX - 13 - 073 - GXX	PX - 13 - 084 - GXX	PX - 13 - 085 - AXX	PX - 13 - 085 - GXX

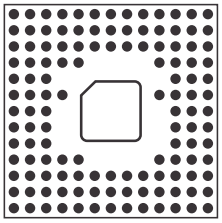
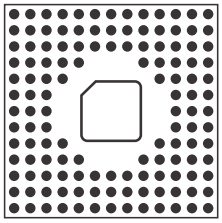
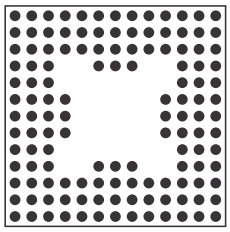
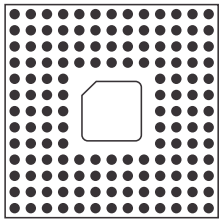
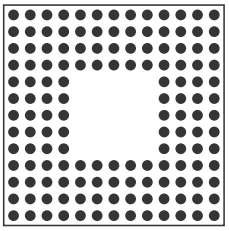
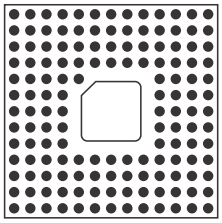
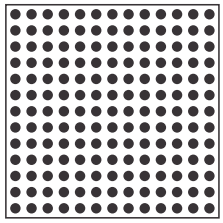
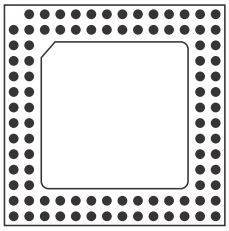
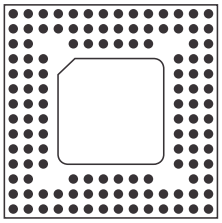
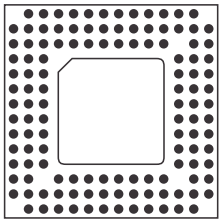
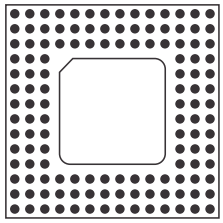
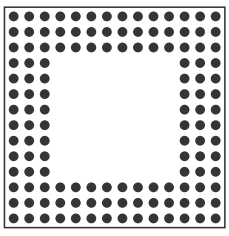
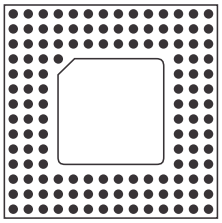
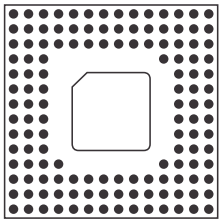
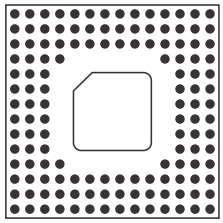
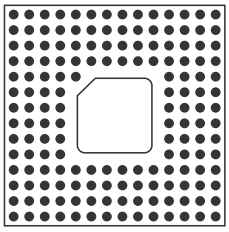
PIN GRID ARRAY SOCKETS
STANDARD FOOT PRINTS

SERIES PGA

13 x 13 88 Pins 	13 x 13 88 Pins 	13 x 13 89 Pins 	13 x 13 89 Pins 
PX - 13 - 088 - EXX	PX - 13 - 088 - GXX	PX - 13 - 089 - GXX	PX - 13 - 089 - EXX
13 x 13 98 Pins 	13 x 13 100 Pins 	13 x 13 100 Pins 	13 x 13 101 Pins 
PX - 13 - 098 - EXX	PX - 13 - 100 - EXX	PX - 13A 100 - EXX	PX - 13 - 101 - EXX
13 x 13 101 Pins 	13 x 13 114 Pins 	13 x 13 114 Pins 	13 x 13 114 Pins 
PX - 13 - 101 - AXX	PX - 13 - 114 - EXX	PX - 13A 114 - EXX	PX - 13 - 114 - AXX
13 x 13 120 Pins 	13 x 13 120 Pins 	13 x 13 124 Pins 	13 x 13 125 Pins 
PX - 13 - 120 - EXX	PX - 13 - 120 - AXX	PX - 13 - 124 - CXX	PX - 13 - 125 - CXX

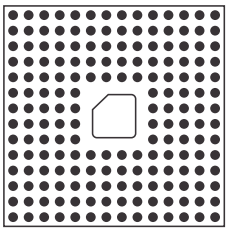
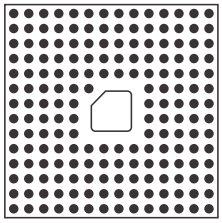
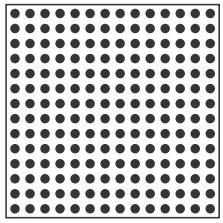
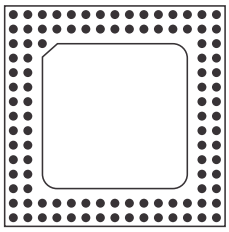
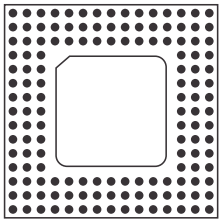
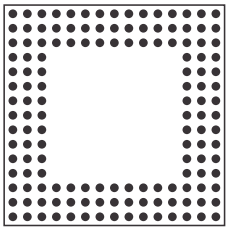
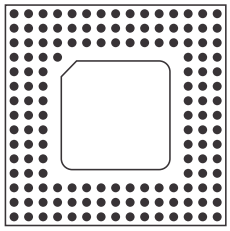
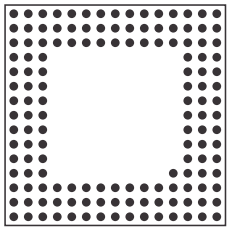
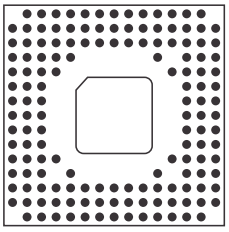
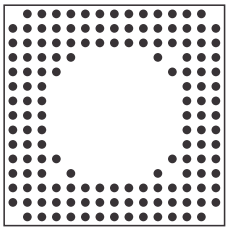
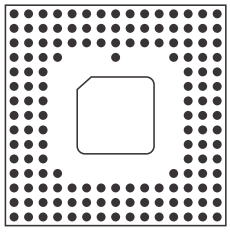
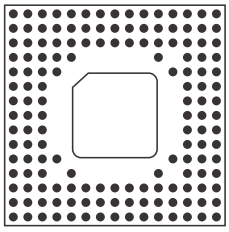
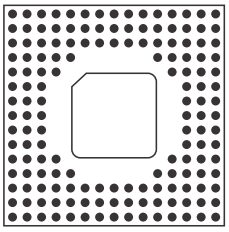
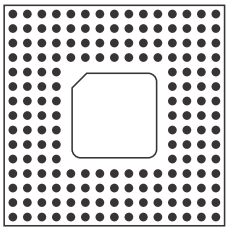
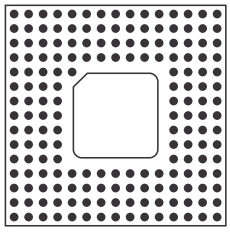
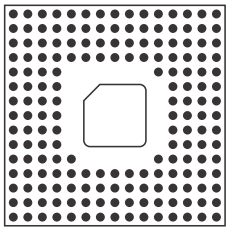
PIN GRID ARRAY SOCKETS
STANDARD FOOT PRINTS

SERIES PGA

13 x 13 128 Pins 	13 x 13 132 Pins 	13 x 13 132 Pins 	13 x 13 144 Pins 
PX - 13 - 128 - CXX	PX - 13 - 132 - CXX	PX - 13 - 132 - AXX	PX - 13 - 144 - CXX
13 x 13 144 Pins 	13 x 13 145 Pins 	13 x 13 169 Pins 	14 x 14 95 Pins 
PX - 13 - 144 - AXX	PX - 13 - 145 - CXX	PX - 13 - 169 - AXX	PX - 14 - 095 - IXX
14 x 14 124 Pins 	14 x 14 125 Pins 	14 x 14 132 Pins 	14 x 14 132 Pins 
PX - 14 - 124 - FXX	PX - 14 - 125 - FXX	PX - 14 - 132 - FXX	PX - 14 - 132 - AXX
14 x 14 133 Pins 	14 x 14 135 Pins 	14 x 14 136 Pins 	14 x 14 161 Pins 
PX - 14 - 133 - FXX	PX - 14 - 135 - DXX	PX - 14 - 136 - DXX	PX - 14 - 161 - DXX

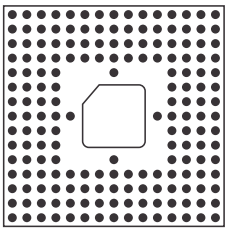
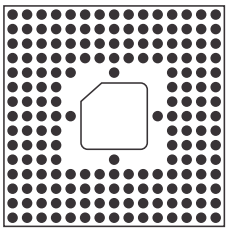
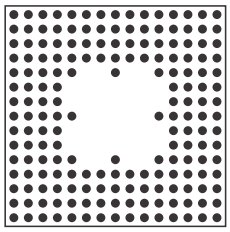
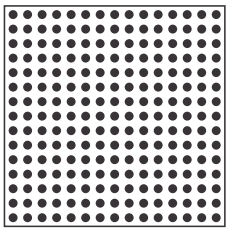
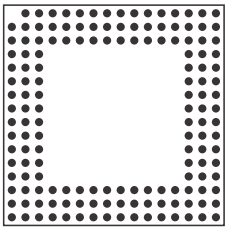
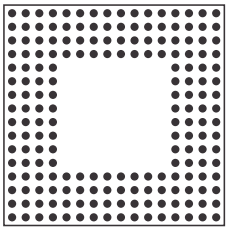
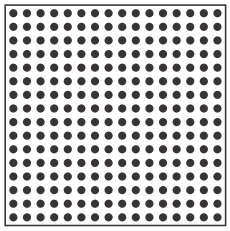
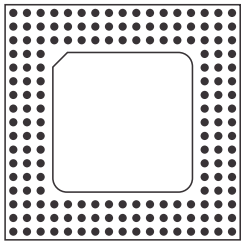
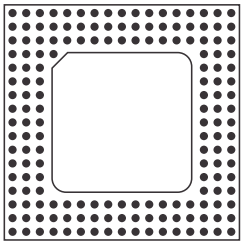
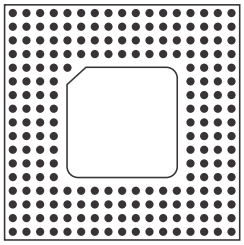
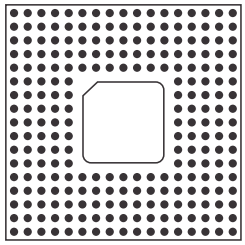
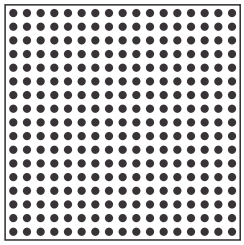
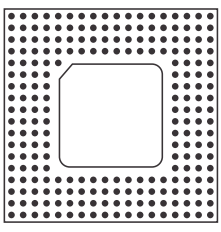
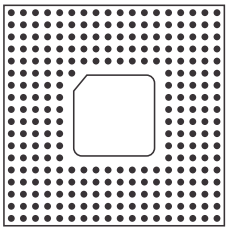
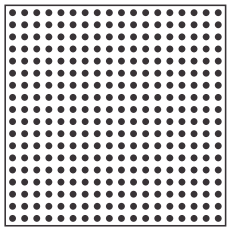
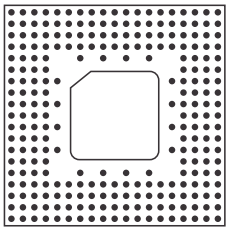
PIN GRID ARRAY SOCKETS
STANDARD FOOT PRINTS

SERIES PGA

14 x 14 180 Pins 	14 x 14 181 Pins 	14 x 14 196 Pins 	15 x 15 105 Pins 
PX - 14 - 180 - BXX	PX - 14 - 181 - BXX	PX - 14 - 196 - AXX	PX - 15 - 105 - IXX
15 x 15 144 Pins 	15 x 15 144 Pins 	15 x 15 145 Pins 	15 x 15 145 Pins 
PX - 15 - 144 - GXX	PX - 15 - 144 - AXX	PX - 15 - 145 - GXX	PX - 15 - 145 - AXX
15 x 15 149 Pins 	15 x 15 149 Pins 	15 x 15 149 Pins 	15 x 15 153 Pins 
PX - 15A 149 - EXX	PX - 15 - 149 - AXX	PX - 15 - 149 - EXX	PX - 15 - 153 - EXX
15 x 15 156 Pins 	15 x 15 176 Pins 	15 x 15 177 Pins 	15 x 15 179 Pins 
PX - 15 - 156 - EXX	PX - 15 - 176 - EXX	PX - 15 - 177 - EXX	PX - 15 - 179 - CXX

PIN GRID ARRAY SOCKETS
STANDARD FOOT PRINTS

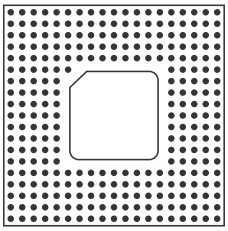
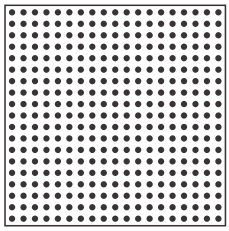
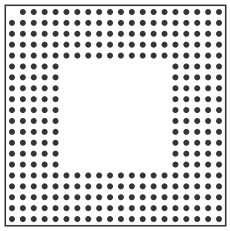
SERIES PGA

15 x 15 180 Pins 	15 x 15 181 Pins 	15 x 15 184 Pins 	15 x 15 225 Pins 
PX - 15 - 180 - CXX	PX - 15 - 181 - CXX	PX - 15 - 184 - AXX	PX - 15 - 225 - AXX
16 x 16 155 Pins 	16 x 16 192 Pins 	16 x 16 256 Pins 	17 x 17 168 Pins 
PX - 16 - 155 - AXX	PX - 16 - 192 - AXX	PX - 16 - 256 - AXX	PX - 17 - 168 - IXX
17 x 17 169 Pins 	17 x 17 209 Pins 	17 x 17 240 Pins 	17 x 17 289 Pins 
PX - 17 - 169 - IXX	PX - 17 - 209 - GXX	PX - 17 - 240 - EXX	PX - 17 - 289 - AXX
18 x 18 225 Pins 	18 x 18 261 Pins 	18 x 18 324 Pins 	19 x 19 256 Pins 
PX - 18 - 225 - HXX	PX - 18 - 261 - FXX	PX - 18 - 324 - AXX	PX - 19 - 256 - GXX

PROTECTRON

PIN GRID ARRAY SOCKETS
STANDARD FOOT PRINTS

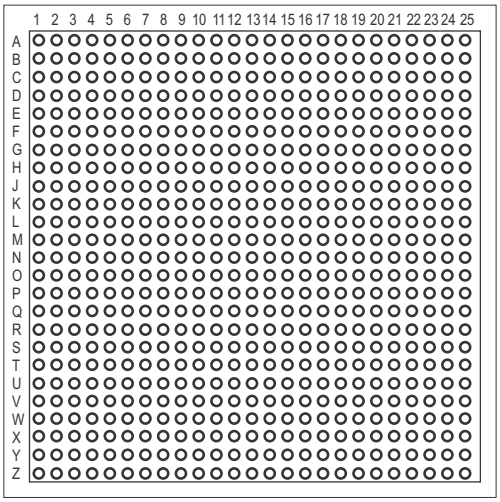
SERIES PGA

19 x 19 — 281 Pins	19 x 19 — 361 Pins	20 x 20 — 299 Pins	
			
PX - 19 - 281 - GXX	PX - 19 - 361 - AXX	PX - 20 - 299 - AXX	

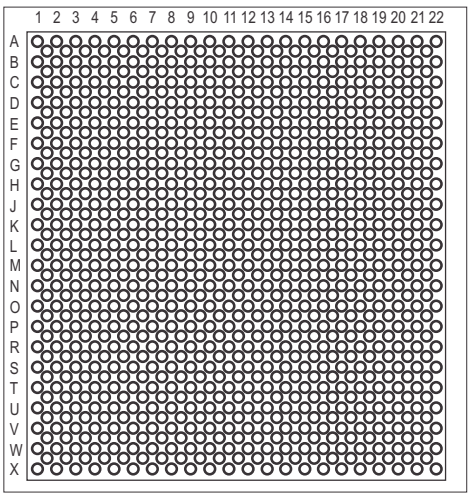
PIN GRID ARRAY SOCKETS

CUSTOM GRID DESIGN

If the desired footprint does not exist in this catalogue, please photocopy the page, complete it and send it to PROTECTRON



TOP VIEW



YOUR ADDRESS

.....

.....

.....

ORDERING INFORMATION

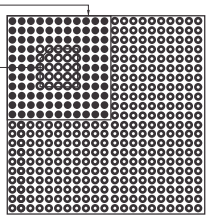
1. Type of PGA

2. Type of Pin

3. Plating — Insulator

4. Size of body — X

Example :
Fill in the Position of pins Mark of the window



TECHNICAL SPECIFICATIONS FOR PLCC SOCKETS

Connector Parts	Materials & Finishes
Insulator Body	Polyphenyledene Sulphide (PPS)
Contact	Copper alloy, tin plated over nickel.

Mechanical Properties

	Solder Tail Version	SMD Version
Mechanical life	50 cycles min.	25 cycles min.
Contact Pressure	1.5 N min. per contact	1.2 N min. per contact

Electrical Properties

	Solder Tail Version	SMD Version
Rated Current	2A	1A
Contact resistance	20 m Ω max.	20 m Ω max
Insulation resistance	5000 M Ω min.	5000 M Ω min.
Dielectric strength	600 VRMS min.	600 VRMS min.
Capacitance	2 Pf max.	2 Pf max.

Environmental Properties

Operating temperature range : -55° / +125° c
Vibration (No electrical discontinuity > 1 micro sec) : 10 to 2000 Hz, 15g.

PROTECTRON

PLASTIC LEADED CHIP CARRIER SOCKETS SOLDER TAIL

PLCC Series

Features

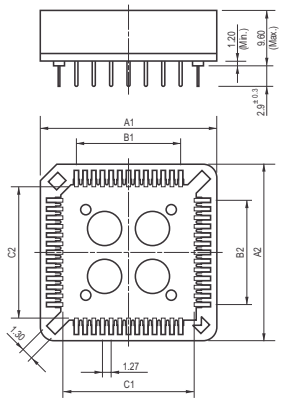
- Polarizing feature for chip and socket insertion
- High reliability contacts
- Slots in insulator allow use of extraction tool
- Board stand-off for easy cleaning
- Holds chip in place by positive springs action



No. of Pins	A_1 Max	A_2 Max	B1	B2	C1 Max	C2 Max	Part No.
20	15.56	15.56	5.08	5.08	9.38	9.38	PLC-02-020-1-1
28	18.30	18.30	7.62	7.62	11.92	11.92	PLC-02-028-1-1
32	18.75	21.30	7.62	10.16	11.92	14.46	PLC-02-032-1-1
44	23.50	23.50	12.70	12.70	17.00	17.00	PLC-02-044-1-1
52	25.90	25.90	15.24	15.24	19.54	19.54	PLC-02-052-1-1
68	31.80	31.80	20.32	20.32	24.62	24.62	PLC-02-068-1-1
84	36.88	36.88	25.40	25.40	29.70	29.70	PLC-02-084-1-1

For PCB Hole pattern refer page 149

All Dimensions are in mm



SOCKET PIN LAYOUT & SOCKET DIMENSIONS

PLASTIC LEADED CHIP CARRIER SOCKETS SURFACE MOUNTED

PLCC Series

Features

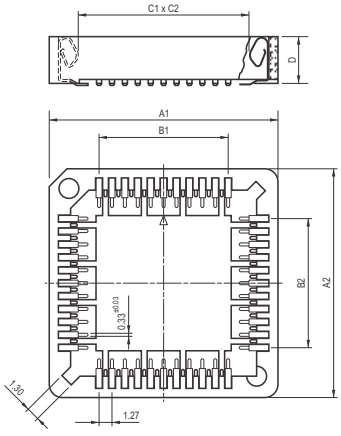
- PLCC sockets with SMD terminations come with square sizes for IC-packages according to JEDEC MO-047, rectangular size (32) according to JEDEC MO-052 = low profile.
- SMD tail width 0.33 mm.
- Guaranteed coplanarity tolerance of SMD terminations max. 0.10 mm.
- Parts with 2 positioning pegs also offered on request.



No. of Pins	A_1 Max	A_2 Max	B1	B2	C1 Max	C2 Max	D	Part No.
20	15.65	15.65	5.08	5.08	9.38	9.38	4.60	PLC-02-020-2-1
28	18.18	18.18	7.62	7.62	11.92	11.92	4.60	PLC-02-028-2-1
32	18.23	20.75	7.62	10.16	11.92	14.46	4.50	PLC-02-032-2-1
44	23.28	23.28	12.70	12.70	17.00	17.00	4.60	PLC-02-044-2-1
52	25.84	25.84	15.24	15.24	19.54	19.54	4.60	PLC-02-052-2-1
68	30.95	30.95	20.32	20.32	24.62	24.62	4.60	PLC-02-068-2-1
84	36.00	36.00	25.40	25.40	29.70	29.70	4.60	PLC-02-084-2-1

For PCB Foot Prints refer page 150

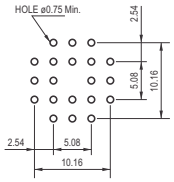
All Dimensions are in mm



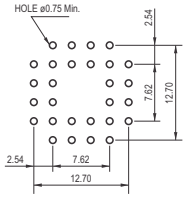
SOCKET PIN LAYOUT & SOCKET DIMENSIONS

PLASTIC LEADED CHIP CARRIER SOCKETS
SOLDER TAIL

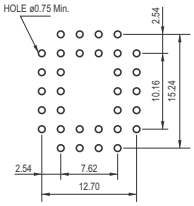
PLCC SOCKETS



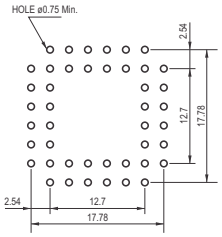
20 Pins



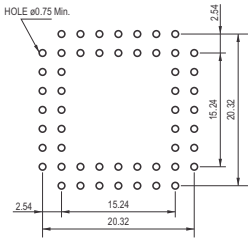
28 Pins



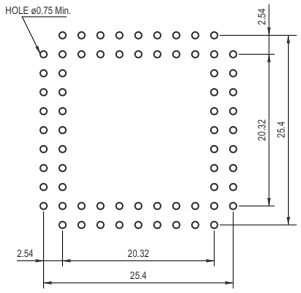
32 Pins



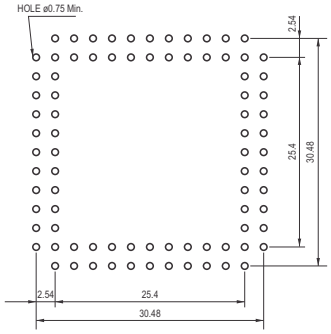
44 Pins



52 Pins



68 Pins

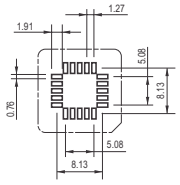


84 Pins

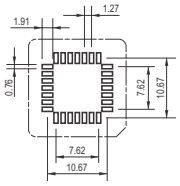
PCB hole patterns - through board type

PLASTIC LEADED CHIP CARRIER SOCKETS SURFACE MOUNTED

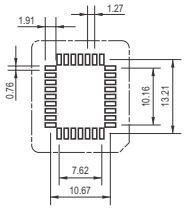
PLCC SOCKETS



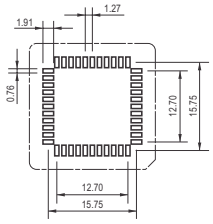
20 Pins



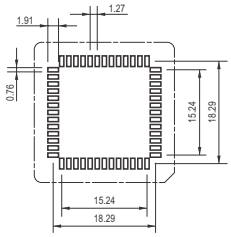
28 Pins



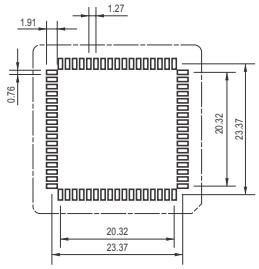
32 Pins



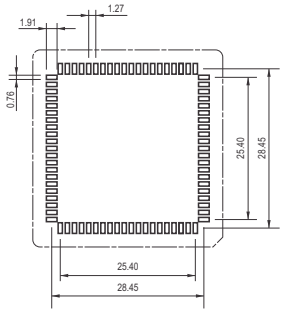
44 Pins



52 Pins



68 Pins



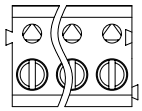
84 Pins

PCB Foot prints - SMD type

PLUGGABLE TYPE TERMINAL BLOCKS

PTB333K-XX-XXP-1X

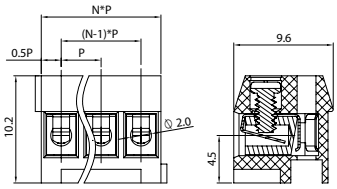




Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

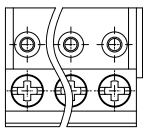


PTB333K-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5	02～24(pitch3.5/3.81)	0 Black
3.81	02～12(pitch7.0/7.62)	5 Green
7.0		6 Blue
7.62		8 Grey

PTB332K-XX-XXP-1X

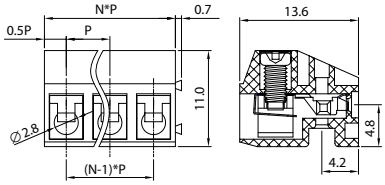




Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-22
Stranded wire (AWG)	: 14-22
Torque (Lb-In)	: 3.5
Screw	: M2.6
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV



PTB332K-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0)	0 Black
10.0	02～12(pitch10.0)	5 Green
	(02&03 contacts stackable)	6 Blue
		8 Grey

PLUGGABLE TYPE TERMINAL BLOCKS

PROTECTRON

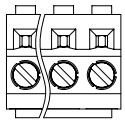
PTB331-XX-XXP-1X

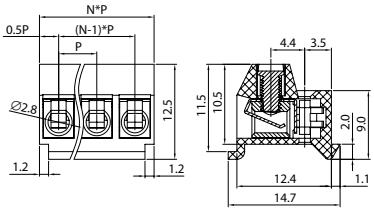
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-26
Stranded wire (AWG)	: 14-26
Torque (Lb-In)	: 3.5
Screw	: M2.6
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV







PTB331-XX-XXP-1X

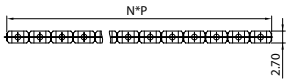
Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0)	0 Black
10.0	02～12(pitch10.0)	5 Green
	(Solid block)	6 Blue
		8 Grey

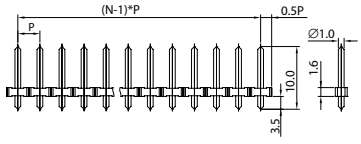
PTB333J-XX-XXP-10

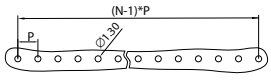
Electrical Parameters	
Voltage rating	: 150V
Current rating	: 10A
Withstanding Voltage	: 1.3KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB333J-XX-XXP-10

Pitch	Number of Contacts
3.5	02～24(Pitch3.5)
7.0	02～12(Pitch7.0)
	(Solid block)

PLUGGABLE TYPE TERMINAL BLOCKS

PTB332JR-XX-XXP-10

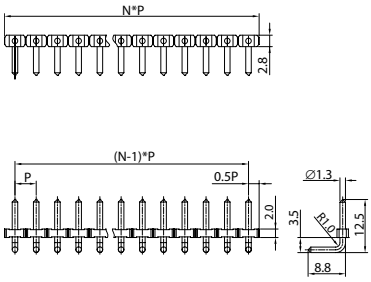
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB332JR-XX-XXP-10

Pitch	Number of Contacts
5.0	02～24(Pitch 5.0)
10.0	02～12(Pitch 10.0)
	(Solid block)



P.C.B LAYOUT

PTB332J-XX-XXP-10

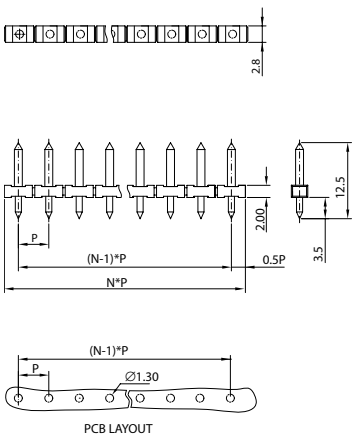
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB332J-XX-XXP-10

Pitch	Number of Contacts
3.5	02～24(pitch3.5/3.81/5.0)
3.81	02～12(pitch7.0/7.62/10.0)
5.0	(Solid block)
7.0	
7.62	
10.0	



PCB LAYOUT

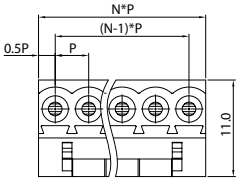
PTB396K-XX-XXP-1X

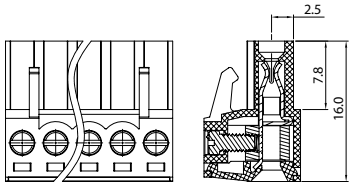
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Torque (Lb-In)	: 1.7
Screw: M2	: M2
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV







PTB396K-XX-XXP-1X

Pitch	Number of Contacts	Color
3.81	02~24(Pitch3.81)	0 Black
7.62	02~12(Pitch7.62)	5 Green
	(Solid block)	6 Blue
		8 Grey

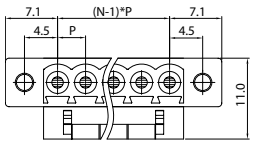
PTB396KM-XX-XXP-1X

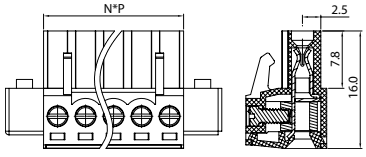
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Torque (Lb-In)	: 1.7
Screw	: M2
Flange screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV







PTB396KM-XX-XXP-1X

Pitch	Number of Contacts	Color
3.81	02~24(Pitch3.81)	0 Black
7.62	02~12(Pitch7.62)	5 Green
	(Solid block)	6 Blue
		8 Grey

PLUGGABLE TYPE TERMINAL BLOCKS

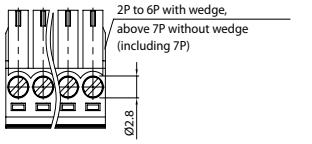
PTB15EDGK-XX-XXP-1X

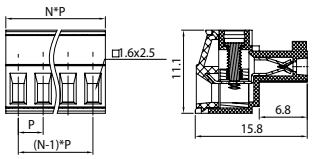


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Torque (Lb-In)	: 2.5
Screw	: M2
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PTB15EDGK-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5	02～24(pitch3.5/3.81)	0 Black
3.81	02～12(pitch7.0/7.62)	5 Green
7.0	(Solid block)	6 Blue
7.62		8 Grey

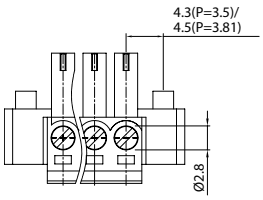
PTB15EDGKM-XX-XXP-1X

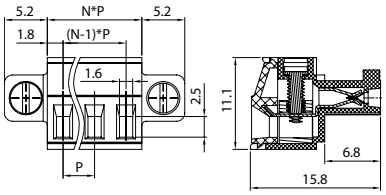


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Torque (Lb-In)	: 2.5
Terminal screw	: M2
Flange screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PTB15EDGKM-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5	02～24(pitch3.5/3.81)	0 Black
3.81	02～12(pitch7.0/7.62)	5 Green
7.0	(Solid block)	6 Blue
7.62		8 Grey

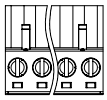
PTB2EDGK-XX-XXP-1X

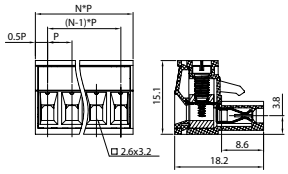
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 5
Screw	: M3
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV







PTB2EDGK-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(Pitch5.0/5.08)	0 Black
5.08	02～12(Pitch10.0/10.16)	5 Green
10.0	(Solid block)	6 Blue
10.16		8 Grey

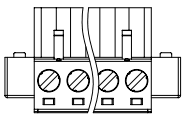
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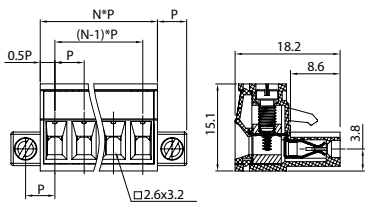
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 5
Screw	: M3
Flange screw	: M2.5
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV







PTB2EDGKM-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(Pitch5.0/5.08)	0 Black
5.08	02～12(Pitch10.0/10.16)	5 Green
10.0	(Solid block)	6 Blue
10.16		8 Grey

PLUGGABLE TYPE TERMINAL BLOCKS

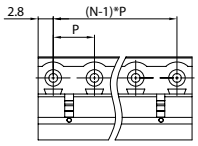
PTB2EDGK-XX-XXP-1X

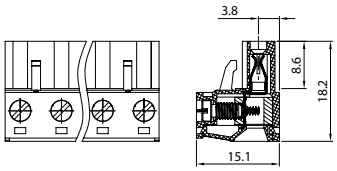


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 5
Screw	: M3
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV





PTB2EDGK-XX-XXP-1X

Pitch	Number of Contacts	Color
7.50	02～16(Pitch7.5/7.62)	0 Black
7.62	02～08(Pitch15.0/15.24)	5 Green
15.0	(Solid block)	6 Blue
15.24		8 Grey

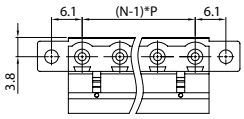
PTB2EDGKM-XX-XXP-1X

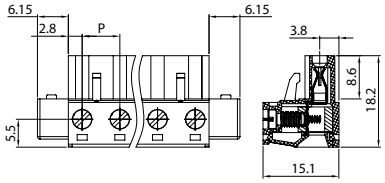


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 5
Screw	: M3
Flange screw	: M2.5
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV





PTB2EDGKM-XX-XXP-1X

Pitch	Number of Contacts	Color
7.50	02～16(Pitch7.5/7.62)	0 Black
7.62	02～08(Pitch15.0/15.24)	5 Green
15.0	(Solid block)	6 Blue
15.24		8 Grey

PLUGGABLE TYPE TERMINAL BLOCKS

PTB5EDGK-XX-XXP-1X

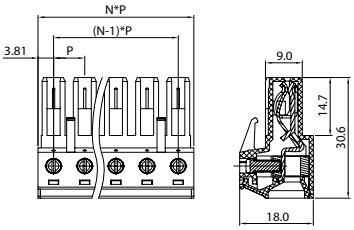
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 10-30
Stranded wire (AWG)	: 10-30
Torque (Lb-In)	: 4.5
Screw	: M3
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV







PTB5EDGK-XX-XXP-1X

Pitch	Number of Contacts	Color
7.62	02～16(Pitch7.62)	0 Black
15.24	02～08(Pitch15.24)	5 Green
	(Solid block)	6 Blue
		8 Grey

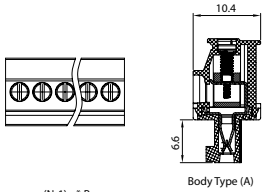
PTB15EDGKX-XX-XXP-1X

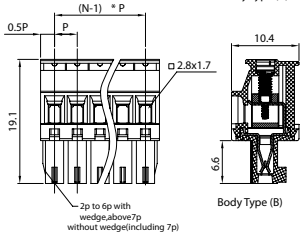
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV







PTB15EDGKX-XX-XXP-1X

Body Type	Pitch	Number of Contacts	Color
A Hook on entry side	3.50	02～24(Pitch3.5/3.81)	0 Black
B Hook on back side	3.81	02～12(Pitch7.0/7.62)	5 Green
	7.0	(Solid block)	6 Blue
	7.62		8 Grey

PLUGGABLE TYPE TERMINAL BLOCKS

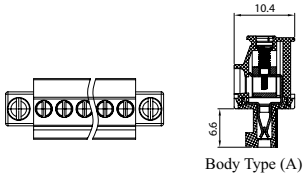
PTB15EDGKXM-XX-XXP-1X

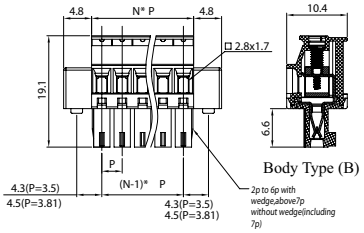


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Torque (Lb-In)	: 1.7
Screw	: M2
Flange screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PTB15EDGKXM-XX-XXP-1X

Body Type	Pitch	Number of Contacts	Color
A Hook on entry side B Hook on back side	3.50 3.81 7.0 7.62	02～24(Pitch3.5/3.81) 02～12(Pitch7.0/7.62) (Solid block)	0 Black 5 Green 6 Blue 8 Grey

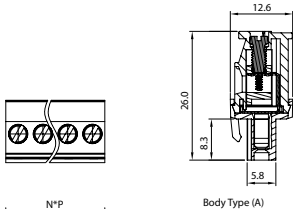
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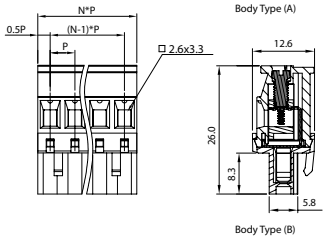


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PTB2EDGKX-XX-XXP-1X

Body Type	Pitch	Number of Contacts	Color
A Hook on entry side B Hook on back side	5.0 5.08 10.0 10.16	02～24(Pitch5.0/5.08) 02～12(Pitch10.0/10.16) (Solid block)	0 Black 5 Green 6 Blue 8 Grey

PLUGGABLE TYPE TERMINAL BLOCKS

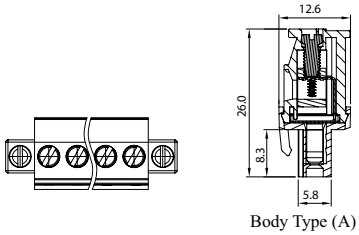
PTB2EDGKXM-XX-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

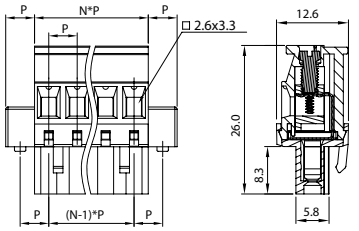
Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M3
Flange screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV



Body Type (A)

PTB2EDGKXM-XX-XXP-1X

Body Type	Pitch	Number of Contacts	Color
A Hook on entry side B Hook on back side	5.0 5.08 10.0 10.16	02～24(Pitch5.0/5.08) 02～12(Pitch10.0/10.16) (Solid block)	0 Black 5 Green 6 Blue 8 Grey



Body Type (B)

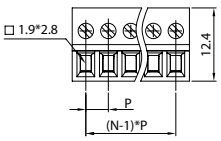
PTB15EDGKC-XX-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

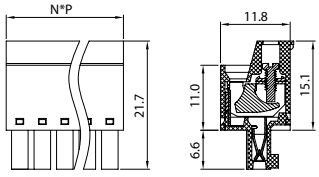
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV



PTB15EDGKC-XX-XXP-1X

Pitch	Number of Contacts	Color
3.81 7.62	02～24(Pitch3.81) 02～12(Pitch7.62) (Solid block)	0 Black 5 Green 6 Blue 8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

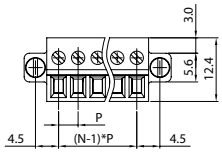
PTB15EDGKCM-XX-XXP-1X

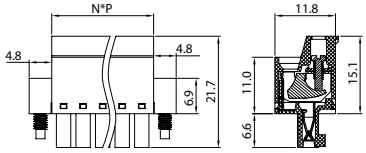


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Torque (Lb-In)	: 1.7
Screw	: M2
Flange screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PTB15EDGKCM-XX-XXP-1X

Pitch	Number of Contacts	Color
3.81	02～24(Pitch3.81)	0 Black
7.62	02～12(Pitch7.62)	5 Green
	(Solid block)	6 Blue
		8 Grey

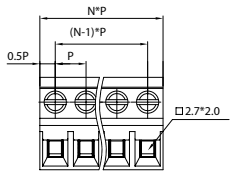
PTB2EDGKC-XX-XXP-1X

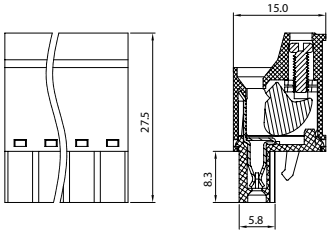


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PTB2EDGKC-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(Pitch5.0/5.08)	0 Black
5.08	02～12(Pitch10.0/10.16)	5 Green
10.0	(Solid block)	6 Blue
10.16		8 Grey

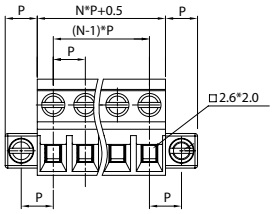
PTB2EDGKCM-XX-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

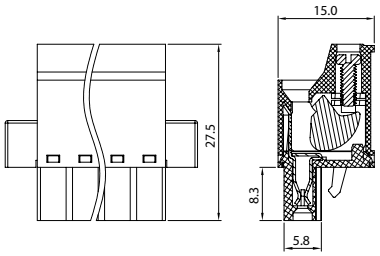
Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Flange screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV



PTB2EDGKCM-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02~24(Pitch5.0/5.08)	0 Black
5.08	02~12(Pitch10.0/10.16)	5 Green
10.0	(Solid block)	6 Blue
10.16		8 Grey



PTB15EDGXC-2.5-XXP-1X

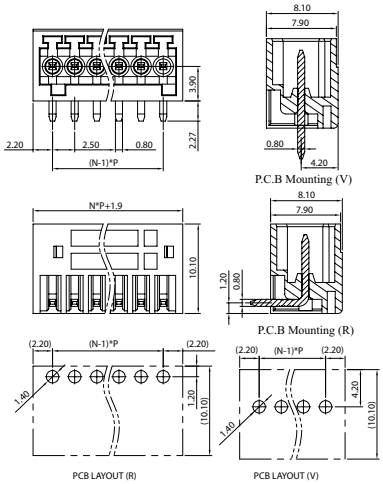


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB15EDGXC-2.5-XXP-1X

P.C.B Mounting :	Number of Contacts	Color
V - Vertical	02~24	0 Black
R - Rightangle	(Solid block)	5 Green
		6 Blue
		8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

PTB15EDGXC-XX-XXP-1X

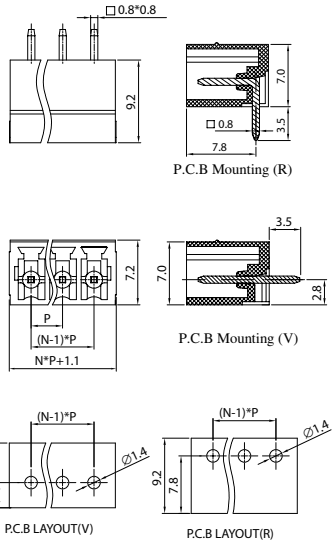
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB15EDGXC-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.5	02～24(Pitch3.5/3.81)	0 Black
	3.81	02～12(Pitch7.0/7.62)	5 Green
R - Rightangle	7.0	(Solid block)	6 Blue
	7.62		8 Grey



PTB15EDGXM-XX-XXP-1X

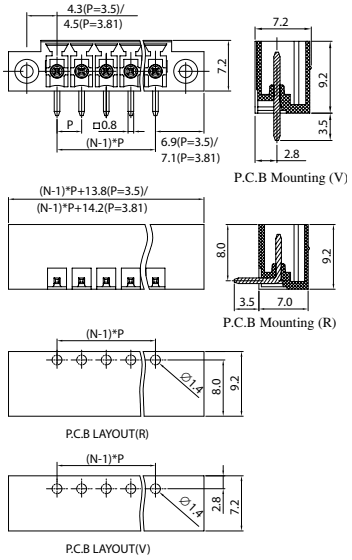
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB15EDGXM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.5	02～24(Pitch3.5/3.81)	0 Black
	3.81	02～12(Pitch7.0/7.62)	5 Green
R - Rightangle	7.0	(Solid block)	6 Blue
	7.62		8 Grey



PTB2EDGXC-XX-XXP-1X

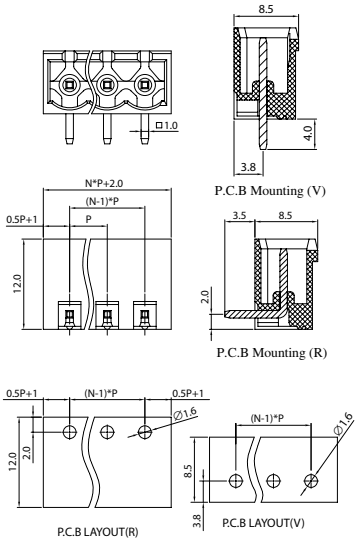
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated



PTB2EDGXC-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	02～24(Pitch5.0/5.08)	0 Black
	5.08	02～12(Pitch10.0/10.16)	5 Green
R - Rightangle	10.0	(Solid block)	6 Blue
	10.16		8 Grey



PTB2EDGX-XX-XXP-1X

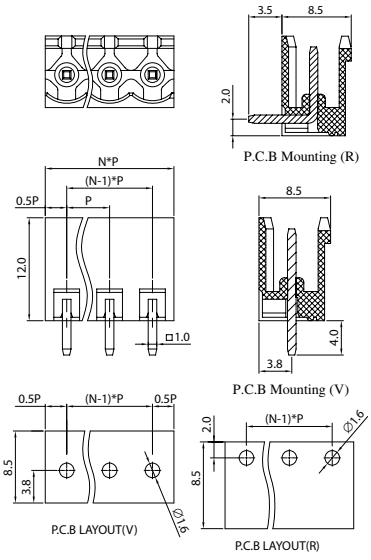
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB2EDGX-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	02～24(Pitch\5.0/5.08)	0 Black
	5.08	02～12(Pitch10.0/10.16)	5 Green
R - Rightangle	10.0	(Solid block)	6 Blue
	10.16		8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

PTB2EDGXM-XX-XXP-1X

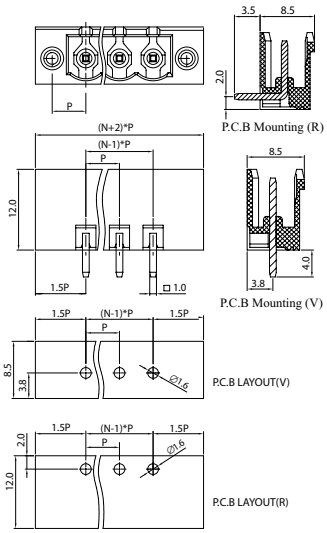
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB2EDGXM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	02~24(Pitch5.0/5.08)	0 Black
	5.08	02~12(Pitch10.0/10.16)	5 Green
R - Rightangle	10.0	(Solid block)	6 Blue
	10.16		8 Grey



PTB2EDGXC-XX-XXP-1X

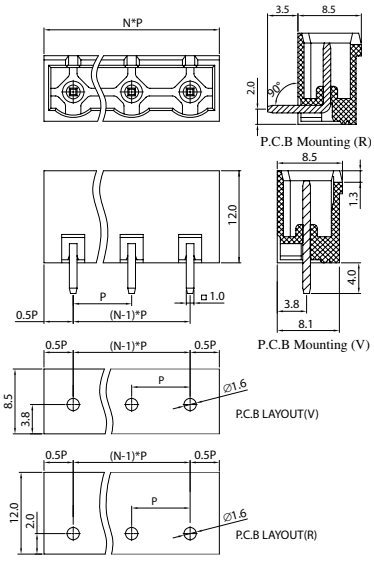
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB2EDGXC-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	7.50	02~16(Pitch7.5/7.62)	0 Black
	7.62	02~08(Pitch15.0/15.24)	5 Green
R - Rightangle	15.0	(Solid block)	6 Blue
	15.24		8 Grey



PTB2EDGX-XX-XXP-1X

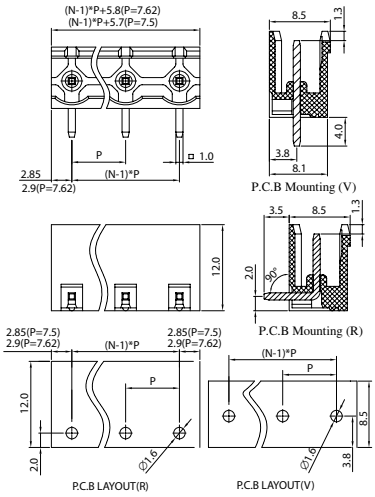
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated



PTB2EDGX-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	7.50	02～16(Pitch7.5/7.62)	0 Black
	7.62	02～08(Pitch15.0/15.24)	5 Green
R - Rightangle	15.0	(Solid block)	6 Blue
	15.24		8 Grey



PTB2EDGXM-XX-XXP-1X

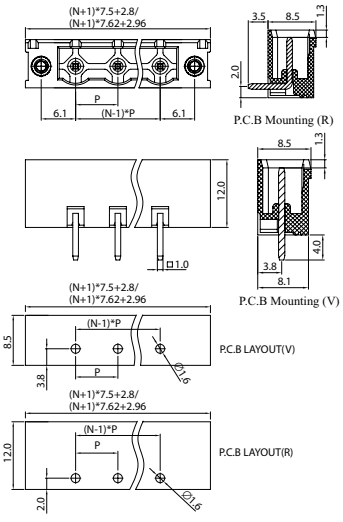
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB2EDGXM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	7.50	02～16(Pitch7.5/7.62)	0 Black
	7.62	02～08(Pitch15.0/15.24)	5 Green
R - Rightangle	15.0	(Solid block)	6 Blue
	15.24		8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

PTB396XC-XX-XXP-1X

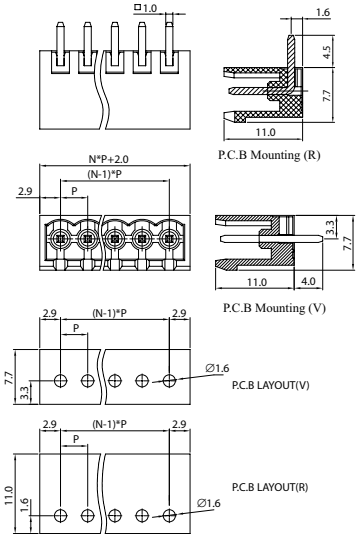
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB396XC-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.81	02～24(Pitch3.81)	0 Black
	7.62	02～12(Pitch7.62)	5 Green
R - Rightangle		(Solid block)	6 Blue
			8 Grey



PTB396X-XX-XXP-1X

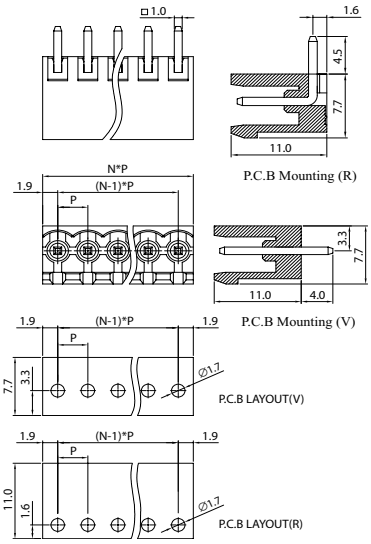
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB396X-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.81	02～24(Pitch3.81)	0 Black
	7.62	02～12(Pitch7.62)	5 Green
R - Rightangle		(Solid block)	6 Blue
			8 Grey



PTB396XM-XX-XXP-1X

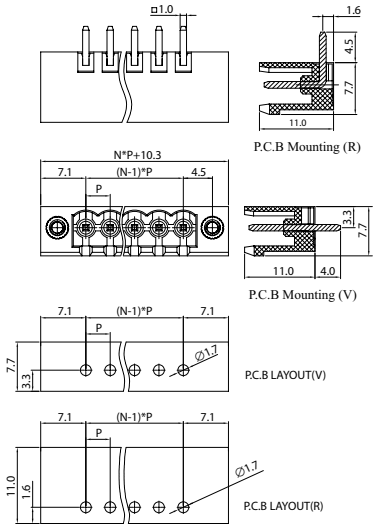
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated



PTB396XM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.81	02～24(Pitch3.81)	0 Black
	7.62	02～12(Pitch7.62)	5 Green
R - Rightangle		(Solid block)	6 Blue
			8 Grey



PTB15EDGXH-XX-XXP-1X

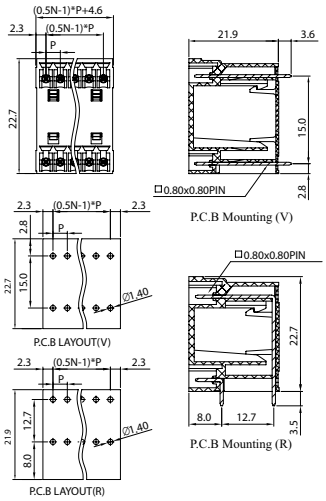
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB15EDGXH-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.5	2*02～2*24(Pitch3.5)	0 Black
	7.0	2*02～2*12(Pitch7.0)	5 Green
R - Rightangle		(Solid block)	6 Blue
			8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

PTB15EDGXHM-XX-XXP-1X

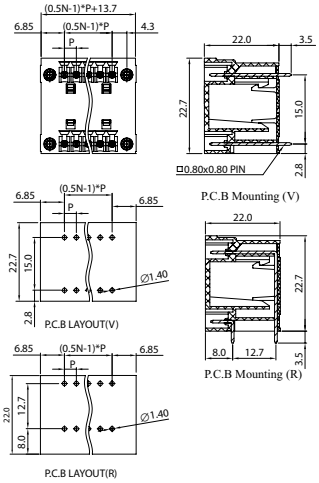
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB15EDGXHM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.5	2*02～2*24(Pitch 3.5)	0 Black
	7.0	2*02～2*12(Pitch 7.0)	5 Green
R - Rightangle		(Solid block)	6 Blue
			8 Grey



PTB15EDXH-XX-XXP-1X

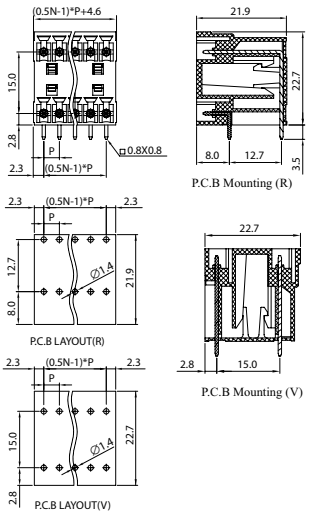
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB15EDXH-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.81	2*02～2*24(Pitch 3.81)	0 Black
	7.62	2*02～2*12(Pitch 7.62)	5 Green
R - Rightangle		(Solid block)	6 Blue
			8 Grey



PTB15EDGXHM-XX-XXP-1X

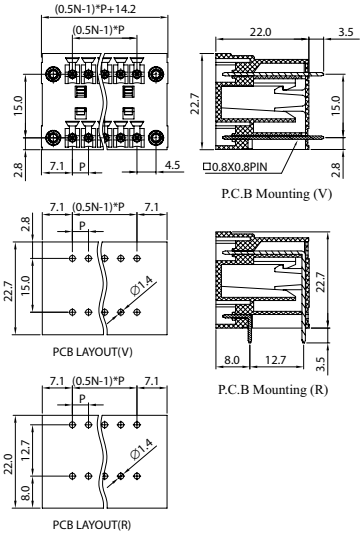


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

PTB15EDGXHM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.81	2*02～2*24(Pitch 3.81)	0 Black
	7.62	2*02～2*12(Pitch 7.62)	5 Green
R - Rightangle		(Solid block)	6 Blue
			8 Grey



PTB2EDGXH-XX-XXP-1X

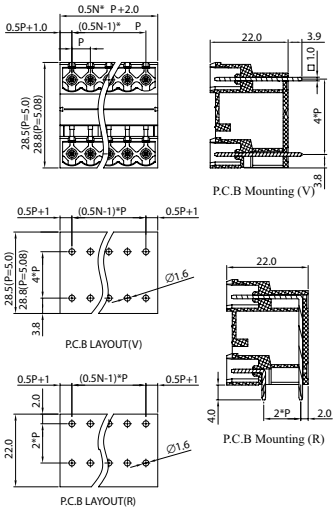


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB2EDGXH-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	2*02～2*24(pitch5.0/5.08)	0 Black
	5.08	2*02～2*12(pitch10.0/	5 Green
R - Rightangle	10.0	10.16)	6 Blue
	10.16	(Solid block)	8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

PTB2EDGXHM-XX-XXP-1X

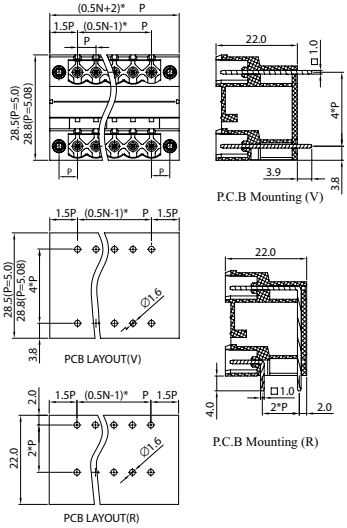


Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB2EDGXHM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	2*02～2*24(pitch5.0/5.08)	0 Black
	5.08	2*02～2*12(pitch10.0/	5 Green
R - Rightangle	10.0	10.16)	6 Blue
	10.16	(Solid block)	8 Grey



PTB15EDGXH-2.5-XXP-1X

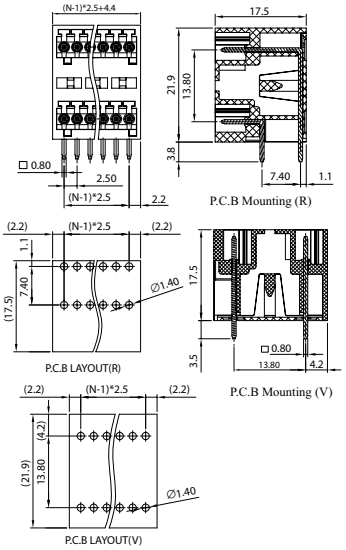


Electrical Parameters	
Voltage rating	: 150V
Current rating	: 4A
Withstanding Voltage	: 1.3KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB15EDGXH-2.5-XXP-1X

P.C.B.Mounting :	Number of Contacts	Color
V - Vertical	2*02～2*24(Pitch 3.81)	0 Black
	2*02～2*12(Pitch 7.62)	5 Green
R - Rightangle	(Solid block)	6 Blue
		8 Grey



PTB5EDGXC-XX-XXP-1X

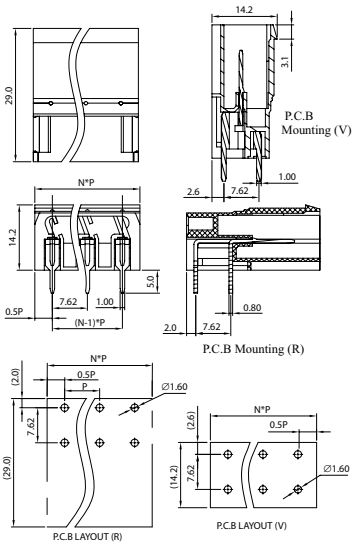
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated



PTB5EDGXC-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	7.62	02～16(Pitch 7.62)	0 Black
	15.24	02～08(Pitch 15.24)	5 Green
R - Rightangle		(Solid block)	6 Blue
			8 Grey



PTB5EDGXM-XX-XXP-1X

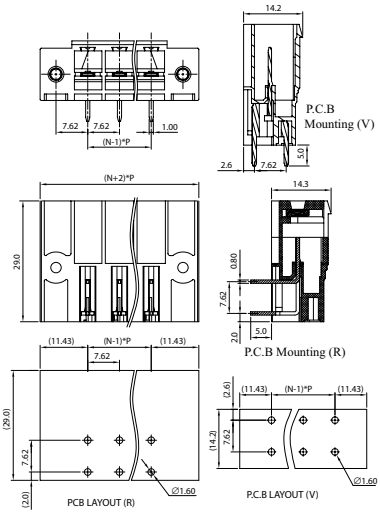
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB5EDGXM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	7.62	2*02～2*24(pitch5.0/5.08)	0 Black
	15.24	2*02～2*12(pitch10.0/	5 Green
R - Rightangle		10.16)	6 Blue
		(Solid block)	8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

PTB15EDGXT-XX-XXP-1X

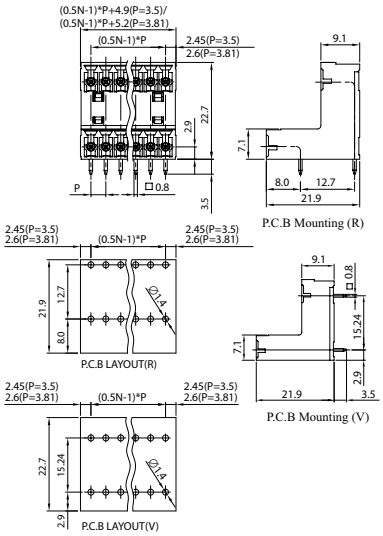
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB15EDGXT-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.5	2*02～2*24(pitch3.5/3.81)	0 Black
	3.81	2*02～2*12(pitch7.0/7.62)	5 Green
R - Rightangle	7.0	(Solid block)	6 Blue
	7.62		8 Gre



PTB15EDGXTM-XX-XXP-1X

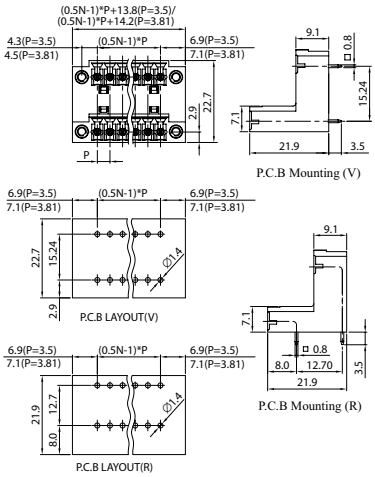
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB15EDGXTM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	3.5	2*02～2*24(Pitch 3.5/3.81)	0 Black
	3.81	2*02～2*12(Pitch 7.0/7.62)	5 Green
R - Rightangle	7.0	(Solid block)	6 Blue
	7.62		8 Grey



PTB2EDGXT-XX-XXP-1X

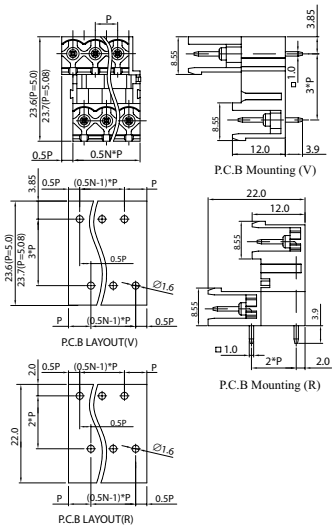
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated



PTB2EDGXT-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	2*02～2*24(pitch5.0/5.08)	0 Black
	5.08	2*02～2*12(pitch10.0/	5 Green
R - Rightangle	10.0	10.16)	6 Blue
	10.16	(Solid block)	8 Grey



PTB2EDGXTC-XX-XXP-1X

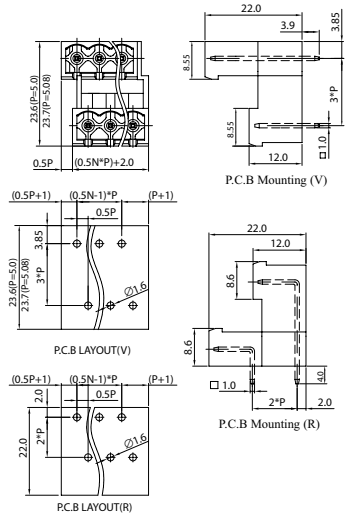
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB2EDGXTC-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	2*02～2*24(pitch5.0/5.08)	0 Black
	5.08	2*02～2*12(pitch10.0/	5 Green
R - Rightangle	10.0	10.16)	6 Blue
	10.16	(Solid block)	8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

PTB2EDGXTM-XX-XXP-1X

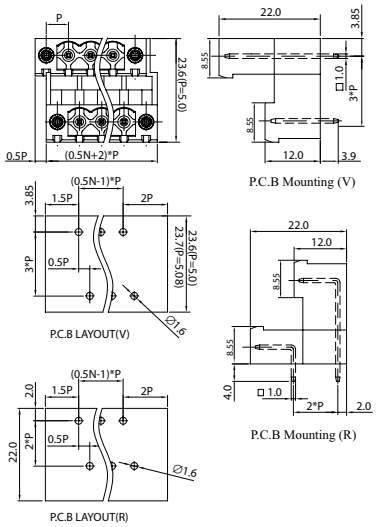
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB2EDGXTM-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	2*02～2*24(pitch5.0/5.08)	0 Black
	5.08	2*02～2*12(pitch10.0/	5 Green
R - Rightangle	10.0	10.16)	6 Blue
	10.16	(Solid block)	8 Grey



PTB2EDGKL-XX-XXP-1X

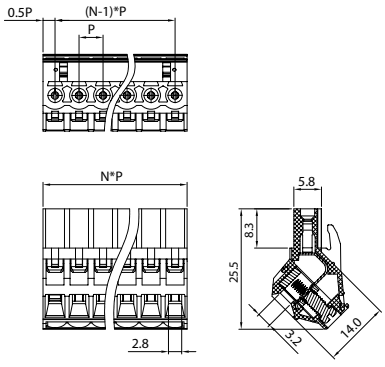
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A
Wire range	:
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 4
Screw	: M3
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated



PTB2EDGKL-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(Solid block)	6 Blue
10.16		8 Grey



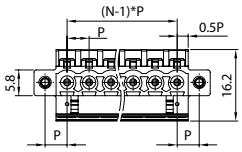
PTB2EDGKLM-XX-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A

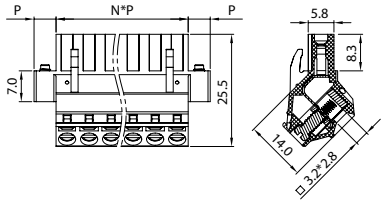
Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 4
Screw	: M3
Flange screw	: M2.5
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV



PTB2EDGKLM-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(Solid block)	6 Blue
10.16		8 Grey



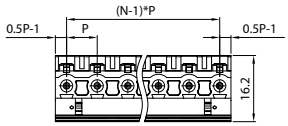
PTB2EDGKL-XX-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A

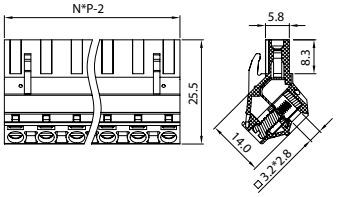
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 4
Screw	: M3
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV



PTB2EDGKL-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5	02～16(pitch7.5/7.62)	0 Black
7.62	02～08(pitch15.0/15.24)	5 Green
15.0	(Solid block)	6 Blue
15.24		8 Grey



PLUGGABLE TYPE TERMINAL BLOCKS

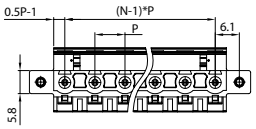
PTB2EDGKLM-XX-XXP-1X

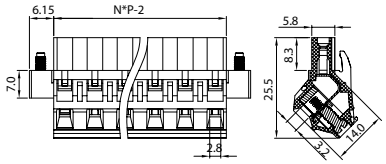
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 4
Screw	: M3
Flange screw	: M2.5
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV







PTB2EDGKLM-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5	02～16(pitch7.5/7.62)	0 Black
7.62	02～08(pitch15.0/15.24)	5 Green
15.0	(Solid block)	6 Blue
15.24		8 Grey

WIRE PROTECTOR TYPE TERMINAL BLOCKS

PTB300-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A

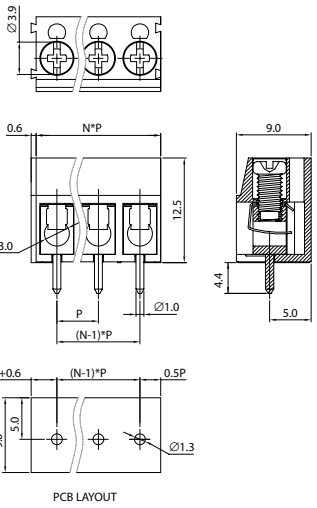
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-22
Stranded wire (AWG)	: 14-22
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

PTB300-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～16(pitch7.5)	5 Green
7.50	02～12(pitch10.0/10.16)	6 Blue
10.0	02～ 08 (pitch15.0)	8 Grey
10.16	(02&03 contacts stackable)	
15.0		





PCB LAYOUT

PTB300R-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A

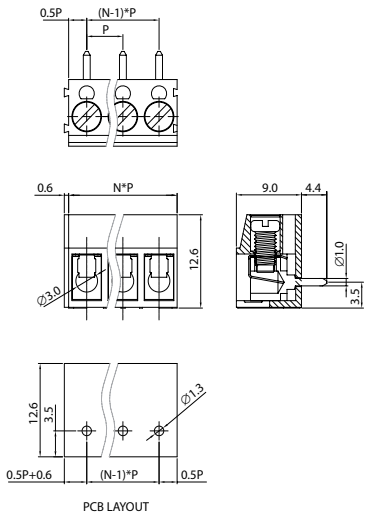
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-22
Stranded wire (AWG)	: 14-22
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

PTB300R-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～16 (pitch7.5)	5 Green
7.50	02～12 (pitch10.0/ 10.16)	6 Blue
10.0	02～08 (pitch15.0)	8 Grey
10.16	(02&03contacts stackable)	
15.0		





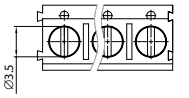
PCB LAYOUT

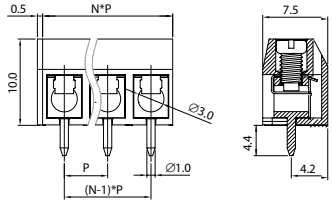
PTB301-XX-XXP-1X

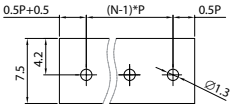
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A
Wire range	
Solid wire (AWG)	: 14-22
Stranded wire (AWG)	: 14-22
Torque (Lb-In)	: 2.6
Screw	: M2.6
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB301-XX-XXP-1X

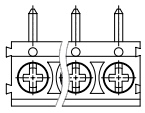
Pitch	Number of Contacts	Color
5.0	02～24(pitch5.00/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contacts stackable)	6 Blue
10.16		8 Grey

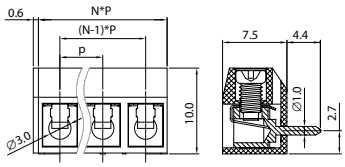
PTB301R-XX-XXP-1X

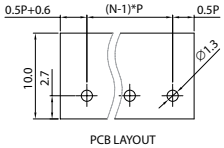
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A
Wire range	
Solid wire (AWG)	: 14-22
Stranded wire (AWG)	: 14-22
Torque (Lb-In)	: 2.6
Screw	: M2.6
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB301R-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03contacts stackable)	6 Blue
10.16		8 Grey

WIRE PROTECTOR TYPE TERMINAL BLOCKS

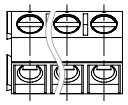
PTB301S-XX-XXP-1X

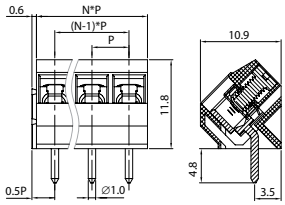
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A

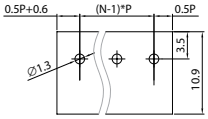
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-22
Stranded wire (AWG)	: 14-22
Torque (Lb-In)	: 3.5
Screw	: M2.6
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB301S-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0 10.0	02~24(pitch5.0) 02~12(pitch10.0) (02&03 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

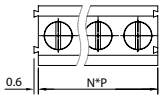
PTB301W-XX-XXP-1X

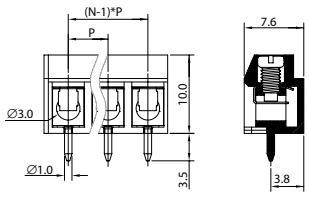
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A

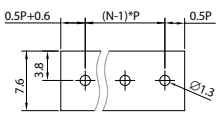
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-22
Stranded wire (AWG)	: 14-22
Torque (Lb-In)	: 3.5
Screw	: M2.6
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB301W-XX-XXP-1X

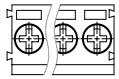
Pitch	Number of Contacts	Color
5.0 10.0	02~24(pitch5.00) 02~12(pitch10.0) (02&03 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

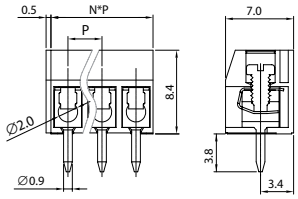
PTB340-XX-XXP-1X

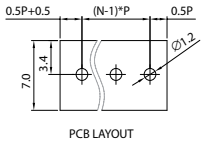
Electrical Parameters	
Voltage rating	: 150V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.30KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB340-XX-XXP-1X

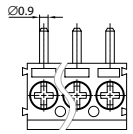
Pitch	Number of Contacts	Color
3.5	02～24 (pitch3.5)	0 Black
7.0	02～12 (pitch7.0)	5 Green
	(02&03 contacts stackable)	6 Blue
		8 Grey

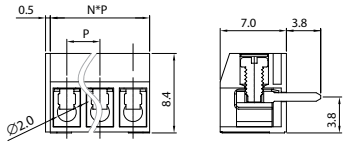
PTB340R-XX-XXP-1X

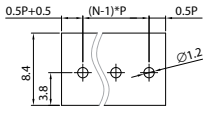
Electrical Parameters	
Voltage rating	: 150V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-22
Stranded wire (AWG)	: 16-22
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.30KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB340R-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5	02～24 (pitch3.5)	0 Black
7.0	02～12 (pitch7.0)	5 Green
	(02&03 contacts stackable)	6 Blue
		8 Grey

WIRE PROTECTOR TYPE TERMINAL BLOCKS

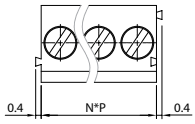
PTB350-XX-XXP-1X

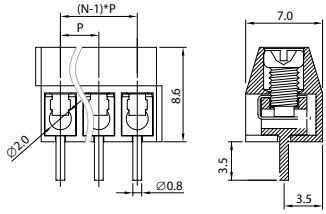
Electrical Parameters	
Voltage rating	: 150V
Current rating	: 10A

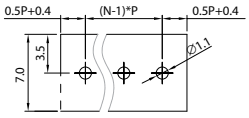
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.3KV









PCB LAYOUT

PTB350-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5 7.0	02~24(pitch3.5) 02~12(pitch7.0) (02&03 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

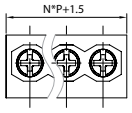
PTB166-XX-XXP-1X

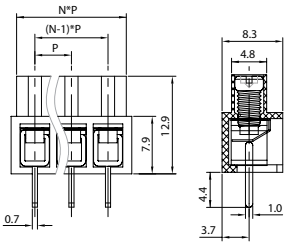
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

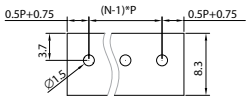
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-20
Stranded wire (AWG)	: 12-20
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB166-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0 7.50 10.0 15.0	02~24(pitch5.0) 02~16(pitch 7.5) 02~12(pitch10.0) 02 ~08 (pitch15.0) (Solid block)	0 Black 5 Green 6 Blue 8 Grey

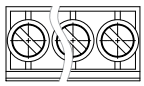
PTB167-XX-XXP-1X

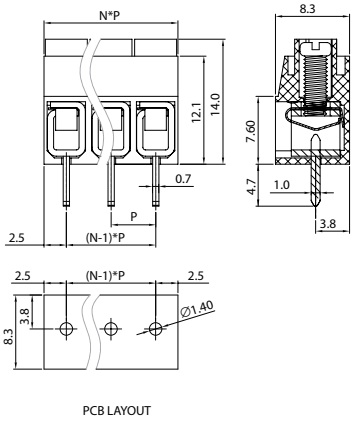
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV







PCB LAYOUT

PTB167-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0)	0 Black
10.0	02～12(pitch10.0)	5 Green
	(Solid block)	6 Blue
		8 Grey

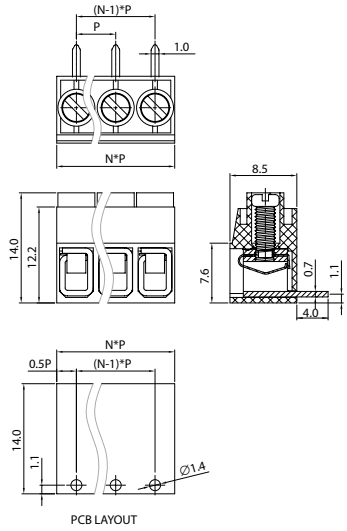
PTB167R-XX-XXP-18

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PCB LAYOUT

PTB167R-XX-XXP-18

Pitch	Number of Contacts
5.0	02～24(pitch5.0)
10.0	02～12(pitch10.0)
	(Solid block)

WIRE PROTECTOR TYPE TERMINAL BLOCKS

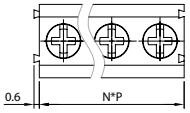
PTB126-XX-XXP-1X

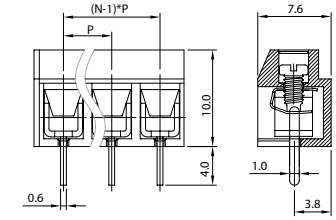
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

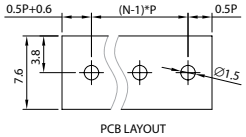
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-26
Stranded wire (AWG)	: 14-26
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB126-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0 10.0	02～24(pitch5.0) 02～12(pitch10.0) (02&03 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

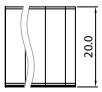
PTB105V-5.0-XXP-1X

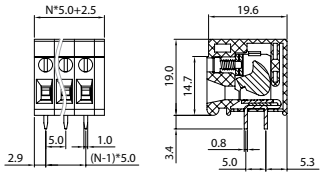
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A

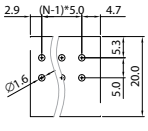
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 10-11mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB105V-5.0-XXP-1X

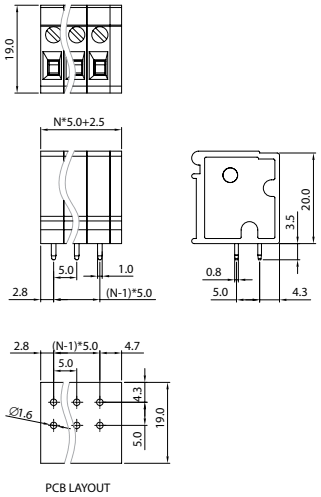
Number of Contacts	Color
02～24(pitch5.00) 02～12(pitch10.0) (02&03 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

PTB105R-5.0-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A
Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 10-11mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB105R-5.0-XXP-1X

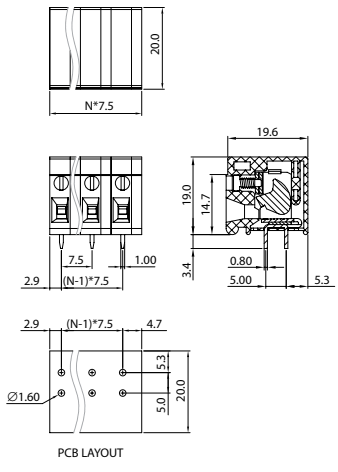
Number of Contacts	Color
02～24	0 Black 5 Green 6 Blue 8 Grey

PTB105V-7.5-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A
Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 10-11mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB105V-7.5-XXP-1X

Number of Contacts	Color
02～16	0 Black 5 Green 6 Blue 8 Grey

WIRE PROTECTOR TYPE TERMINAL BLOCKS

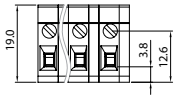
PTB105R-7.5-XXP-1X

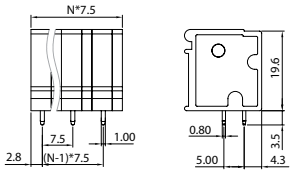
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A

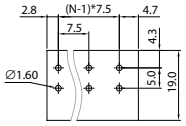
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 10-11mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB105R-7.5-XXP-1X

Number of Contacts	Color
02～16	0 Black 5 Green 6 Blue 8 Grey

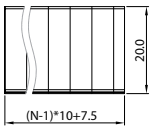
PTB105V-10.0-XXP-1X

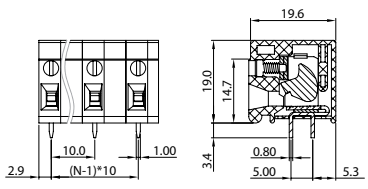
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A

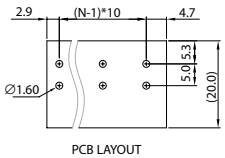
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 10-11mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB105V-10.0-XXP-1X

Number of Contacts	Color
02～12	0 Black 5 Green 6 Blue 8 Grey

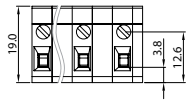
PTB105R-10.0-XXP-1X

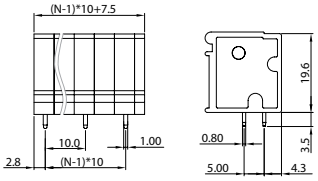
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A

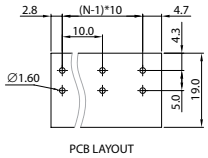
Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 10-11mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB105R-10.0-XXP-1X

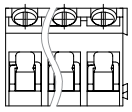
Number of Contacts	Color
02~12	0 Black 5 Green 6 Blue 8 Grey

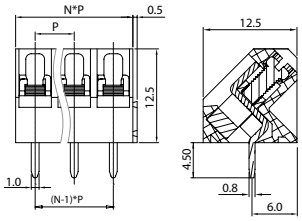
PTB330-XX-XXP-1X

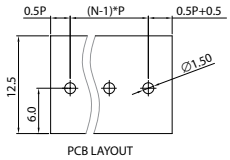
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A
Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB330-XX-XXP-1X

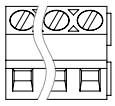
Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contacts stackable)	6 Blue
10.16		8 Grey

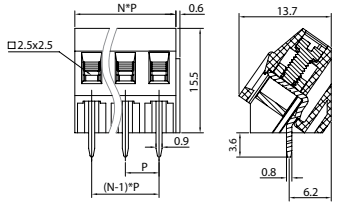
PTB103-XX-XXP-1X

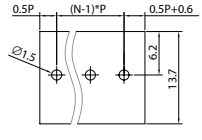
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB103-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contacts stackable)	6 Blue
10.16		8 Grey

RISING CLAMP TYPE TERMINAL BLOCKS

PTB104-XX-XXP-1X

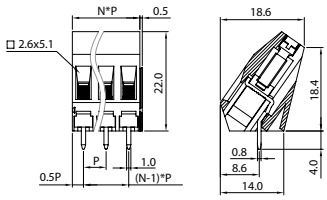
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

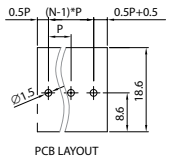
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB104-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contacts stackable)	6 Blue
10.16		8 Grey

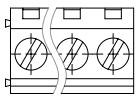
PTB128-XX-XXP-1X

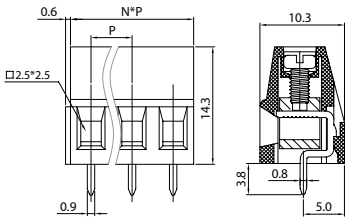
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

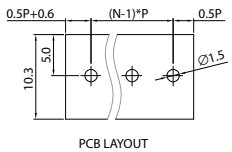
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB128-XX-XXP-1X

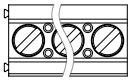
Pitch	Number of Contacts	Color
5.0	02～24(pitch 5.0)	0 Black
7.50	02～16(pitch 7.5)	5 Green
10.0	02～12(pitch10.0)	6 Blue
15.0	02～08(pitch15.0)	8 Grey
	(02&03 contacts stackable)	

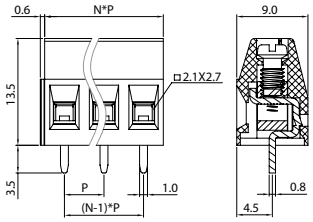
PTB125-XX-XXP-1X

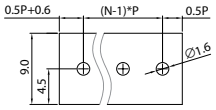
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 16A
Wire range	
Solid wire (AWG)	: 12-28
Stranded wire (AWG)	: 12-28
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB125-XX-XXP-1X

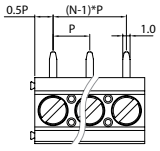
Pitch	Number of Contacts	Color
5.0	02～24 (pitch5.0/5.08)	0 Black
5.08	02～16 (pitch7.5)	5 Green
7.50	02～12 (pitch10.0/10.16)	6 Blue
10.0	02～08 (pitch15.0)	8 Grey
10.16	(02&03 contactsstackable)	
15.0		

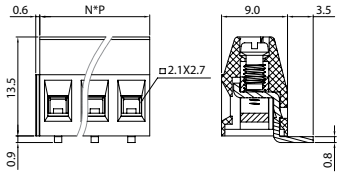
PTB125R-XX-XXP-1X

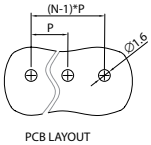
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 16A
Wire range	
Solid wire (AWG)	: 12-28
Stranded wire (AWG)	: 12-28
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB125R-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24 (pitch5.0/5.08)	0 Black
5.08	02～16 (pitch7.5)	5 Green
7.50	02～12 (pitch10.0/10.16)	6 Blue
10.0	02～08 (pitch15.0)	8 Grey
10.16	(02&03 contactsstackable)	
15.0		

RISING CLAMP TYPE TERMINAL BLOCKS

PTB127-XX-XXP-1X

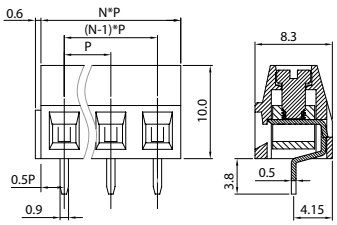
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	: 0.5-1.5mm^2
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

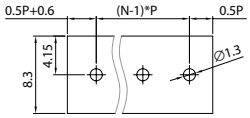
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB127-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0)	0 Black
10.0	02～12(pitch10.0)	5 Green
	(02&03 contacts stackable)	6 Blue
		8 Grey







PCB LAYOUT

PTB127-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

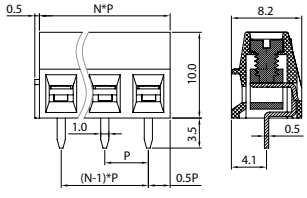
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

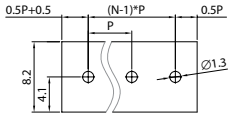
Wire range	
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

PTB127-XX-XXP-1X

Pitch	Number of Contacts	Color
5.08	02～24(pitch5.08)	0 Black
10.16	02～12(pitch10.16)	5 Green
	(02&03 contacts stackable)	6 Blue
		8 Grey







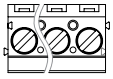
PCB LAYOUT

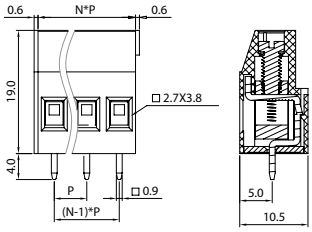
PTB129-XX-XXP-1X

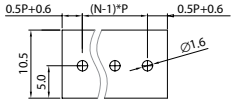
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A
Wire range	
Solid wire (AWG)	: 12-30
Stranded wire (AWG)	: 12-30
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB129-XX-XXP-1X

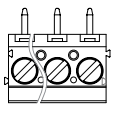
Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contacts stackable)	6 Blue
10.16		8 Grey

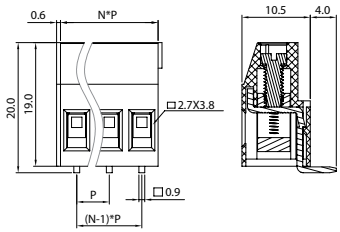
PTB129R-XX-XXP-1X

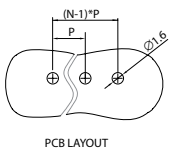
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A
Wire range	
Solid wire (AWG)	: 12-30
Stranded wire (AWG)	: 12-30
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB129R-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contactsstackable)	6 Blue
10.16		8 Grey

RISING CLAMP TYPE TERMINAL BLOCKS

PTB129-XX-XXP-1X

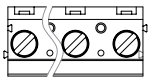
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A
Wire range	
Solid wire (AWG)	: 12-30
Stranded wire (AWG)	: 12-30
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

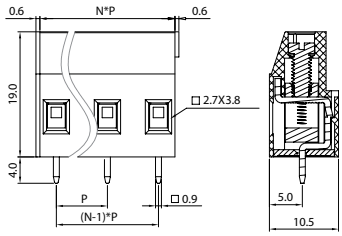
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

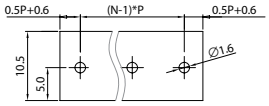
PTB129-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5	02~16(pitch7.5/7.62)	0 Black
7.62	02~08(pitch15.0/15.24)	5 Green
15.0	(02&03 contactsstackable)	6 Blue
15.24		8 Grey









PCB LAYOUT

PTB129R-XX-XXP-1X

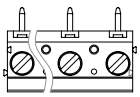
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A
Wire range	
Solid wire (AWG)	: 12-30
Stranded wire (AWG)	: 12-30
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

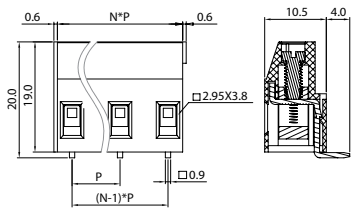
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

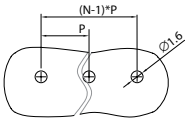
PTB129R-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5	02~16(pitch7.5/7.62)	0 Black
7.62	02~08(pitch15.0/15.24)	5 Green
15.0	(02&03 contactsstackable)	6 Blue
15.24		8 Grey









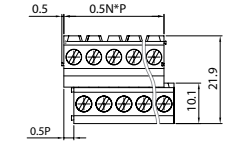
PCB LAYOUT

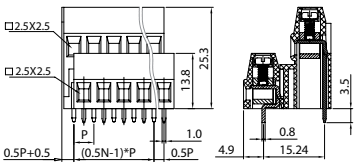
PTB500A-XX-XXP-1X

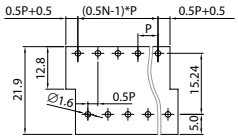
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A
Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB500A-XX-XXP-1X

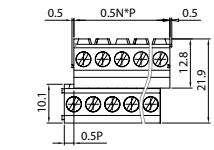
Pitch	Number of Contacts	Color
5.0	2*02～2*24	0 Black
5.08	(pitch5.0/5.08)	5 Green
10.0	2*02～2*12	6 Blue
10.16	(pitch10.0/10.16)	8 Grey
	(2*02&2*03 contacts stackable)	

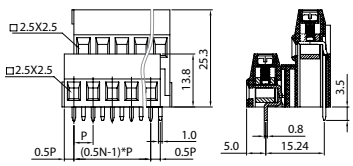
PTB500B-XX-XXP-1X

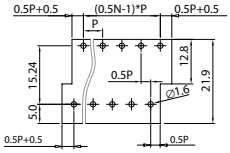
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 20A
Wire range	
Solid wire (AWG)	: 12-22
Stranded wire (AWG)	: 12-22
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB500B-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	2*02～2*24(pitch5.0/5.08)	0 Black
5.08	2*02～2*12(pitch10.0/10.16)	5 Green
10.0	(2*02&2*03 contacts stackable)	6 Blue
10.16		8 Grey

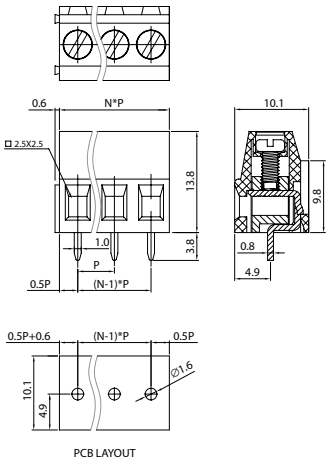
RISING CLAMP TYPE TERMINAL BLOCKS

PTB500-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB500-XX-XXP-1X

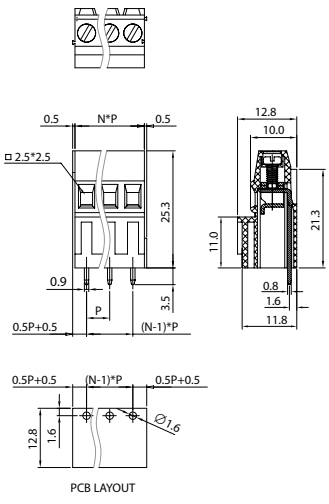
Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contacts stackable)	6 Blue
10.16		8 Grey

PTB500H-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB500H-XX-XXP-1X

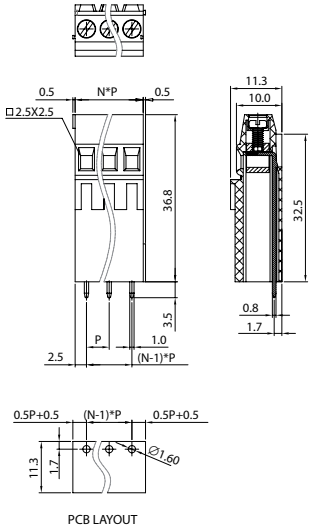
Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contacts stackable)	6 Blue
10.16		8 Grey

PTB500HH-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PCB LAYOUT

PTB500HH-XX-XXP-1X

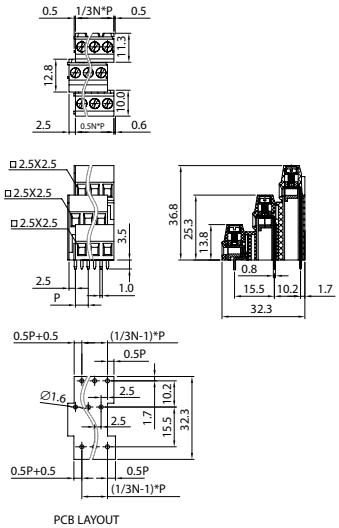
Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0/5.08)	0 Black
5.08	02～12(pitch10.0/10.16)	5 Green
10.0	(02&03 contacts stackable)	6 Blue
10.16		8 Grey

PTB500A3-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PCB LAYOUT

PTB500A3-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	3*02～3*24(pitch5.0/5.08)	0 Black
5.08	3*02～3*12(pitch10.0/10.16)	5 Green
10.0	(3*02&3*03 contactsstackable)	6 Blue
10.16		8 Grey

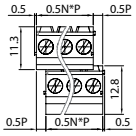
RISING CLAMP TYPE TERMINAL BLOCKS

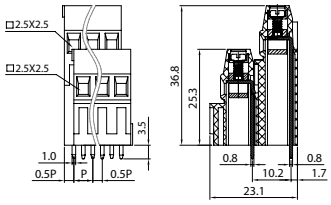
PTB500AA-XX-XXP-1X

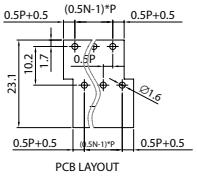
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB500AA-XX-XXP-1X

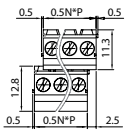
Pitch	Number of Contacts	Color
5.0	2*02～2*24(pitch5.0/5.08)	0 Black
5.08	2*02～2*12(pitch10.0/10.16)	5 Green
10.0	(2*02&2*03 contactsstackable)	6 Blue
10.16		8 Grey

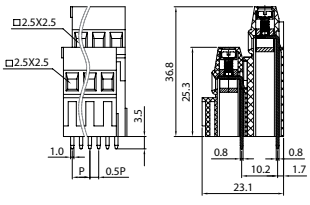
PTB500BB-XX-XXP-1X

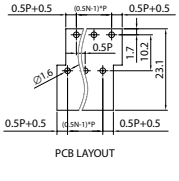
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 12-24
Stranded wire (AWG)	: 12-24
Torque (Lb-In)	: 3.5
Screw	: M2.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB500BB-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	2*02～2*24(pitch5.0/5.08)	0 Black
5.08	2*02～2*12(pitch10.0/10.16)	5 Green
10.0	(2*02&2*03 contactsstackable)	6 Blue
10.16		8 Grey

PTB381-XX-XXP-1X

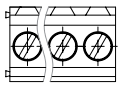
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-24
Stranded wire (AWG)	: 16-24
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

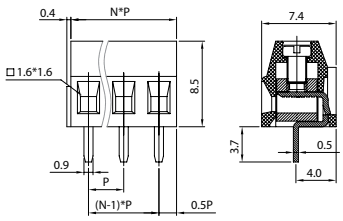
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

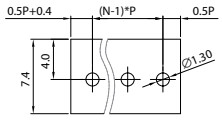
PTB381-XX-XXP-1X

Pitch	Number of Contacts	Color
3.50	02～24(pitch3.5/3.81)	0 Black
3.81	02～12(pitch7.0/7.62)	5 Green
7.0	(02&03 contactsstackable)	6 Blue
7.62		8 Grey









PCB LAYOUT

PTB381H-XX-XXP-1X

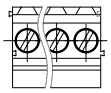
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-24
Stranded wire (AWG)	: 16-24
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

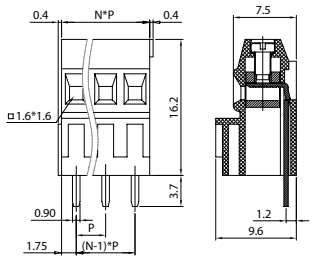
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

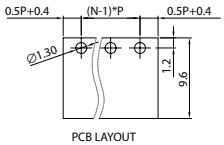
PTB381H-XX-XXP-1X

Pitch	Number of Contacts	Color
3.50	02～24(pitch3.5/3.81)	0 Black
3.81	02～12(pitch7.0/7.62)	5 Green
7.0	(02&03 contactsstackable)	6 Blue
7.62		8 Grey









PCB LAYOUT

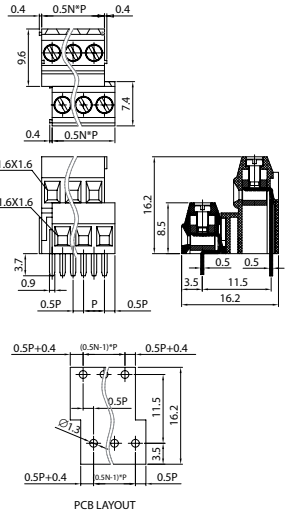
RISING CLAMP TYPE TERMINAL BLOCKS

PTB381A-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-24
Stranded wire (AWG)	: 16-24
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PCB LAYOUT

PTB381A-XX-XXP-1X

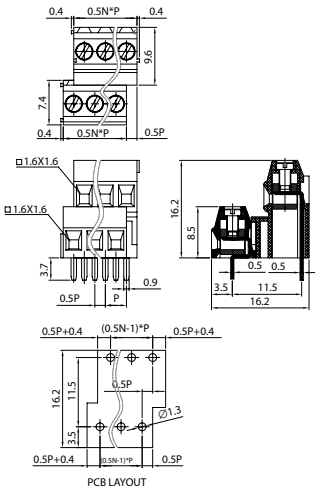
Pitch	Number of Contacts	Color
3.50	2*02～2*24(pitch3.5/3.81)	0 Black
3.81	2*02～2*12(pitch7.0/7.62)	5 Green
7.0	(2*02～2*03contactsStackabel)	6 Blue
7.62		8 Grey

PTB381B-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-24
Stranded wire (AWG)	: 16-24
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PCB LAYOUT

PTB381B-XX-XXP-1X

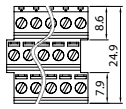
Pitch	Number of Contacts	Color
3.50	2*02～2*24(pitch3.5/3.81)	0 Black
3.81	2*02～2*12(pitch7.0/7.62)	5 Green
7.0	(2*02～2*03contactsStackabel)	6 Blue
7.62		8 Grey

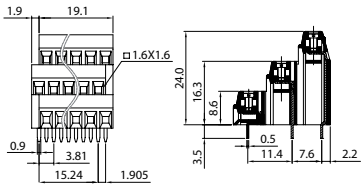
PTB381A3-3.81-XXP-1X



Electrical Parameters	
Voltage rating	: 150V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-24
Stranded wire (AWG)	: 16-24
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.3KV

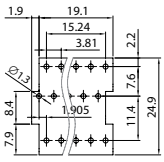
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB381A3-3.81-XXP-1X

Number of Contacts	Color
15 15poles with 3-level (Solid block)	0 Black 5 Green 6 Blue 8 Grey



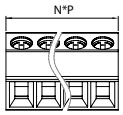
PCB LAYOUT

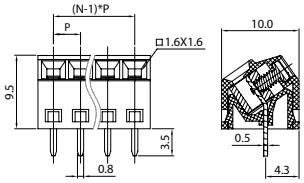
PTB381S-XX-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

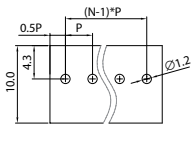
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB381S-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5 3.81 7.0 7.62	02～24(pitch3.5/3.81) 02～12(pitch7.0/7.62) (Solid block)	0 Black 5 Green 6 Blue 8 Grey



PCB LAYOUT

RISING CLAMP TYPE TERMINAL BLOCKS

PTB130-XX-XXP-1X

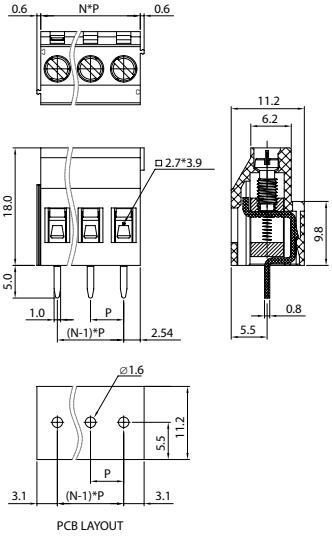
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A
Wire range	
Solid wire (AWG)	: 12-30
Stranded wire (AWG)	: 12-30
Torque (Lb-In)	: 4.3
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB130-XX-XXP-1X

Pitch	Number of Contacts	Color
5.08	02~24(pitch5.08)	0 Black
10.16	02~12(pitch1016)	5 Green
	(02&03 contacts stackable)	6 Blue
		8 Grey





PCB LAYOUT

PTB308-XX-XXP-1X

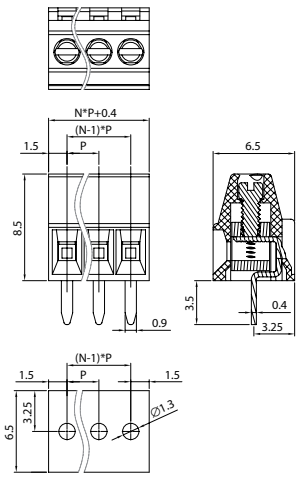
Electrical Parameters	
Voltage rating	: 150V
Current rating	: 6A
Wire range	
Solid wire (AWG)	: 18-30
Stranded wire (AWG)	: 18-30
Torque (Lb-In)	: 1.3
Screw	: M1.6
Wire strip length	: 4-5mm
Withstanding Voltage	: 1.3KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB308-XX-XXP-1X

Pitch	Number of Contacts	Color
2.54	02~24(pitch2.54)	0 Black
5.08	02~12(pitch5.08)	5 Green
	(Solid block)	6 Blue
		8 Grey





PCB LAYOUT

PTB140-XX-XXP-1X

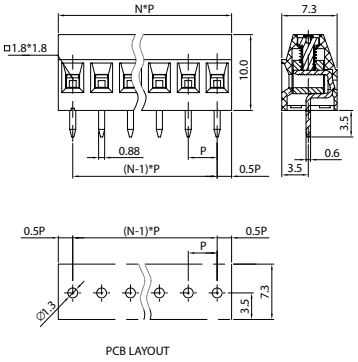
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-30
Stranded wire (AWG)	: 16-30
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB140-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5	02～24(pitch3.5/3.81)	0 Black
3.81	02～12(pitch7.0/7.62)	5 Green
7.0	(Solid block)	6 Blue
7.62		8 Grey





PCB LAYOUT

PTB140P-XX-XXP-1X

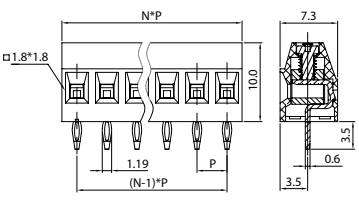
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-30
Stranded wire (AWG)	: 16-30
Torque (Lb-In)	: 1.7
Screw	: M2
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

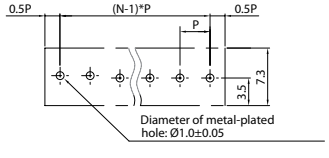
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB140P-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5	02～24(pitch3.5/3.81)	0 Black
3.81	02～12(pitch7.0/7.62)	5 Green
7.0	(Solid block	6 Blue
7.62		8 Grey







PCB LAYOUT

RISING CLAMP TYPE TERMINAL BLOCKS

PTB140W-XX-XXP-1X

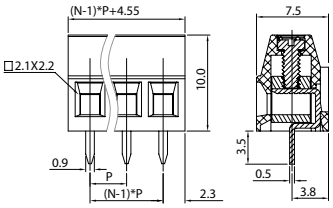
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A
Wire range	
Solid wire (AWG)	: 16-24
Stranded wire (AWG)	: 16-24
Torque (Lb-In)	: 2.17
Screw	: M2
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

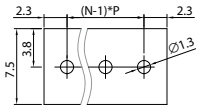
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB140W-XX-XXP-1X

Pitch	Number of Contacts	Color
3.81	02～24(pitch3.81)	0 Black
7.62	02～12(pitch7.62)	5 Green
	(Solid block)	6 Blue
		8 Grey







PCB LAYOUT

PTB127A-XX-XXP-1X

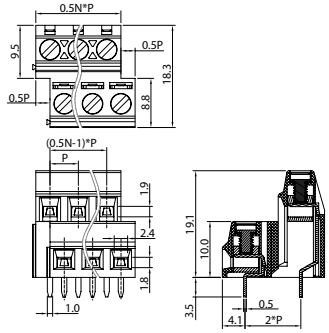
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

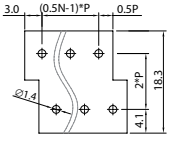
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB127A-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	2*02～2*24(pitch5.08)	0 Black
5.08	2*02～2*12(pitch10.16)	5 Green
10.0	(2*02&2*03 contacts stackable)	6 Blue
10.16		8 Grey







PCB LAYOUT

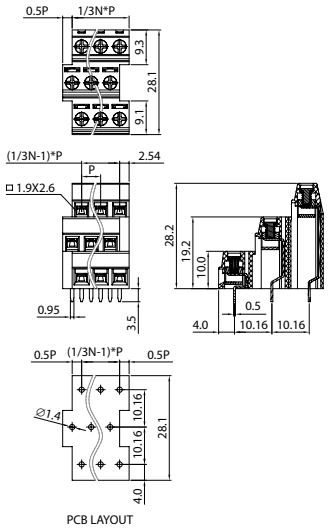
PTB127A3-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-24
Stranded wire (AWG)	: 14-24
Torque (Lb-In)	: 3.5
Screw	: M3
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PTB127A3-XX-XXP-1X

Pitch	Number of Contacts	Color
5.08	3*02～3*24(pitch5.08)	0 Black
10.16	3*02～3*12(pitch10.16)	5 Green
	(Solid block)	6 Blue
		8 Grey

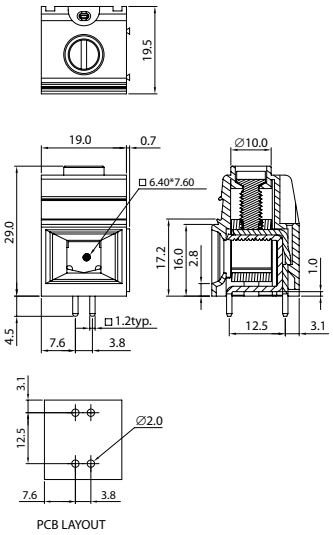
PTB139-19.0-XXP-1X

Electrical Parameters	
Voltage rating	: 600V
Current rating	: 100A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 3-18
Stranded wire (AWG)	: 3-18
Torque (Lb-In)	: 30
Screw	: M5
Wire strip length	: 12-15mm
Withstanding Voltage	: 2.2KV





PTB139-19.0-XXP-1X

Number of Contacts	Color
01～12	0 Black
(01&01 contacts stackable)	5 Green
	6 Blue
	8 Grey

RISING CLAMP TYPE TERMINAL BLOCKS

PTB636-XX-XXP-1X

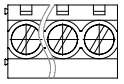
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 30A
Wire range	
Solid wire (AWG)	: 10-24
Stranded wire (AWG)	: 10-24
Torque (Lb-In)	: 8.9
Screw	: M3.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

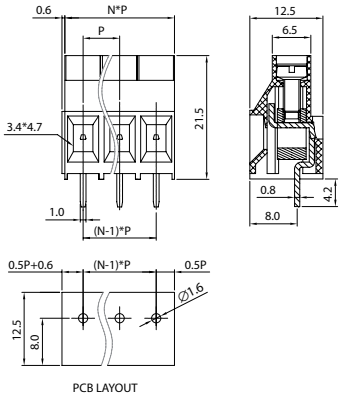
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB636-XX-XXP-1X

Pitch	Number of Contacts	Color
6.35	02～16(pitch6.35/7.62)	0 Black
7.62	02～08(pitch12.7/15.24)	5 Green
12.7	(02&03 contactsstackable)	6 Blue
15.24		8 Grey







PCB LAYOUT

PTB636S-XX-XXP-1X

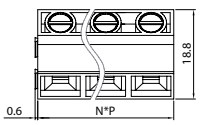
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 30A
Wire range	
Solid wire (AWG)	: 10-24
Stranded wire (AWG)	: 10-24
Torque (Lb-In)	: 8.9
Screw	: M3.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

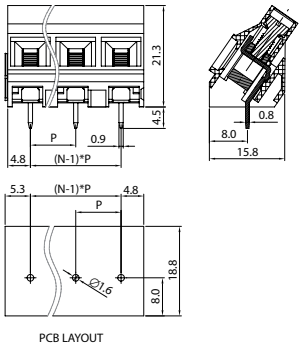
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB636S-XX-XXP-1X

Pitch	Number of Contacts	Color
9.52	02～12(pitch9.52)	0 Black
19.04	02～06(pitch19.04)	5 Green
	(02～03 contacts stackable)	6 Blue
		8 Grey







PCB LAYOUT

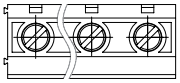
PTB950-XX-XXP-1X

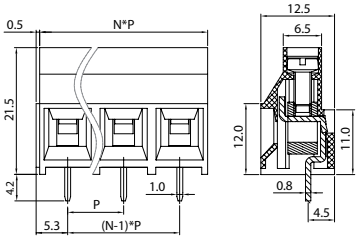
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 30A

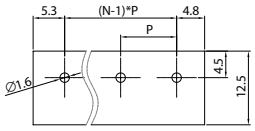
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 10-24
Stranded wire (AWG)	: 10-24
Torque (Lb-In)	: 8.9
Screw	: M3.5
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTB950-XX-XXP-1X

Pitch	Number of Contacts	Color
9.52 19.04	02～12(pitch9.52) 02～06(pitch19.04) (02～03 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

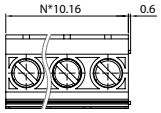
PTBB1016-10.16-XXP-1X

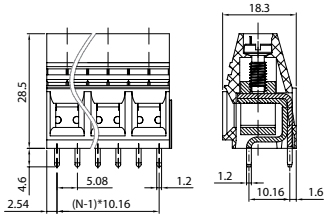
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 65A

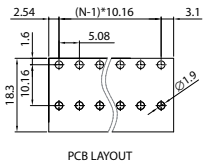
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 8-22
Stranded wire (AWG)	: 8-22
Torque (Lb-In)	: 19
Screw	: M4.5
Wire strip length	: 10-11mm
Withstanding Voltage	: 1.6KV









PCB LAYOUT

PTBB1016-10.16-XXP-1X

Number of Contacts	Color
02～12 (02&03 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB141X-2.54-XXP-1X

Electrical Parameters	
Voltage rating	: 150V
Current rating	: 2A

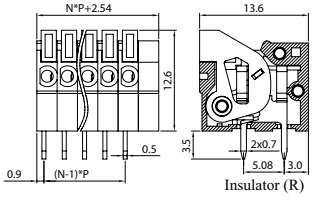
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

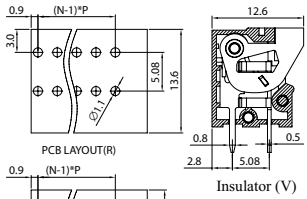
Wire range	
Solid wire(AWG)	: 20-26
Stranded wire(AWG)	: 20-26
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.3KV

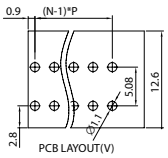
PTB141X-2.54-XXP-1X

P.C.B Mounting	Number of Contacts	Color
V - Vertical	02～24	0 Black
	(01&01 contacts stackable)	5 Green
R - Rightangle		8 Grey









PTB142X-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

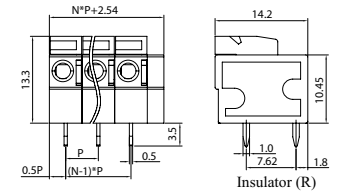
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

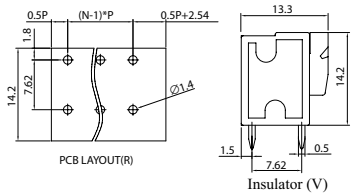
Wire range	
Solid wire (AWG)	: 14-24
Stranded wire (AWG)	: 14-24
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

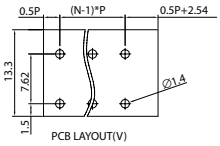
PTB142X-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	5.0	02～24	0 Black
	5.08	(01&01 contacts stackable)	5 Green
R - Rightangle			8 Grey









PTB142X-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

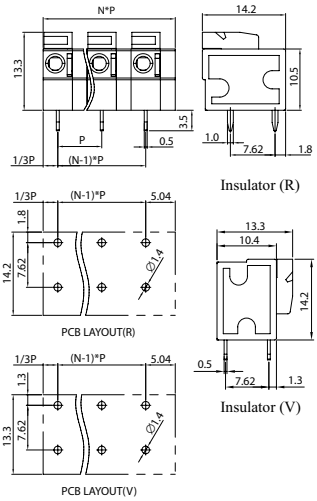
Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-24
Stranded wire (AWG)	: 14-24
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

PTB142X-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	7.50	02～16	0 Black
	7.62	(01&01 contacts stackable)	5 Green
R - Rightangle			8 Grey





PTB142X-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

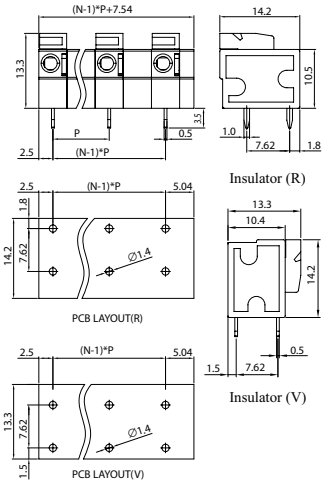
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 14-24
Stranded wire (AWG)	: 14-24
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

PTB142X-XX-XXP-1X

P.C.B Mounting	Pitch	Number of Contacts	Color
V - Vertical	10.0	02～16	0 Black
	10.16	(01&01 contacts stackable)	5 Green
R - Rightangle			8 Grey





PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB142X-3.81-XXP-1X



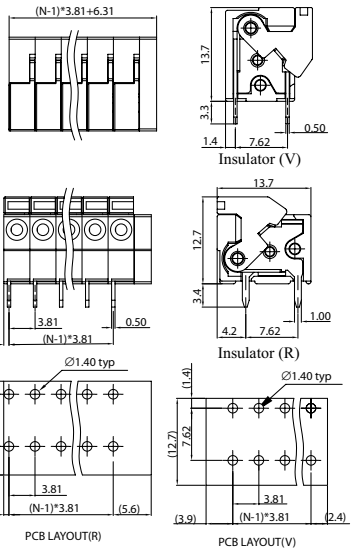
Electrical Parameters	
Voltage rating	: 150V
Current rating	: 2A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 20-26
Stranded wire (AWG)	: 20-26
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.3KV

PTB142X-3.81-XXP-1X

P.C.B Mounting	Number of Contacts	Color
V - Vertical R - Rightangle	02～24 (01&01 contacts stackable)	0 Black 5 Green 8 Grey



PTB250C-3.5-XXP-19



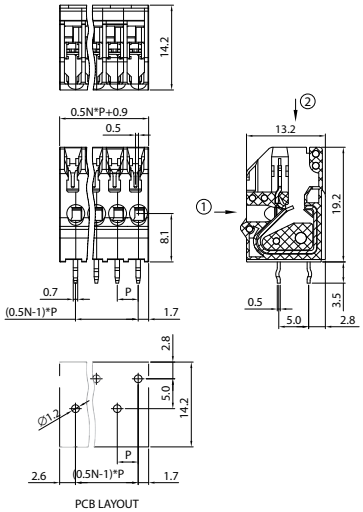
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 2A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-20"SOL"
Stranded wire (AWG)	: 20"SOL"
Wire strip length	: 7.5-8.5mm
Withstanding Voltage	: 1.6KV

PTB250C-3.5-XXP-19

Number of Contacts
02～24 (01 & 01 contacts stackable)

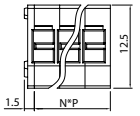


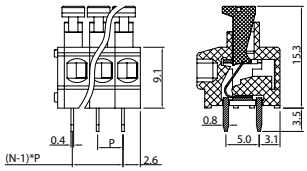
PTB235-3.81-XXP-1X

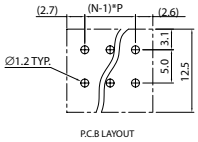
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 16-20
Stranded wire (AWG)	: 16-20
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated









P.C.B LAYOUT

PTB235-3.81-XXP-1X

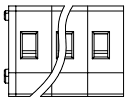
Number of Contacts	Color
02~24 (01&01 contacts stackable)	0 Black 5 Green 8 Grey

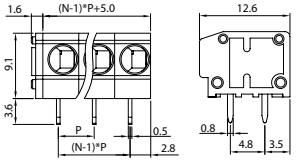
PTB235W-5.0-XXP-1X

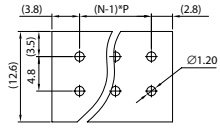
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 14-20
Stranded wire (AWG)	: 14-20
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated









PCB LAYOUT

PTB235W-5.0-XXP-1X

Number of Contacts	Color
02~24 (01&01 contacts stackable)	0 Black 5 Green 8 Grey

PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB235-5.0-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

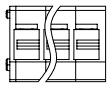
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

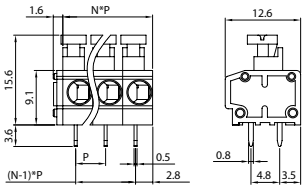
Wire range	
Solid wire (AWG)	: 14-20
Stranded wire (AWG)	: 14-20
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

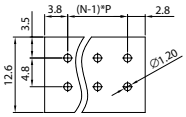
PTB235-5.0-XXP-1X

Number of Contacts	Color
02～24 (01&01 contacts stackable)	0 Black 5 Green 8 Grey









PCB LAYOUT

PTB235T-5.0-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

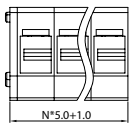
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

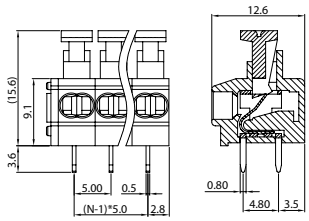
Wire range	
Solid wire (AWG)	: 2*18-24
Stranded wire (AWG)	: 2*18-24
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

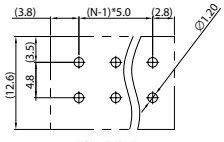
PTB235T-5.0-XXP-1X

Number of Contacts	Color
02～24 (01&01 contacts stackable)	0 Black 5 Green 8 Grey 9 White









PCB LAYOUT

PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB235W-XX-XXP-1X

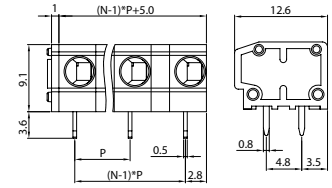
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 14-20
Stranded wire (AWG)	: 14-20
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

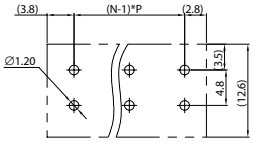
Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

PTB235W-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5 10.0	02～16(pitch7.5) 02～12(pitch10.0) (01&01 contacts stackable)	0 Black 5 Green 8 Grey







PCB. LAYOUT

PTB235-XX-XXP-1X

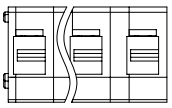
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 14-20
Stranded wire (AWG)	: 14-20
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

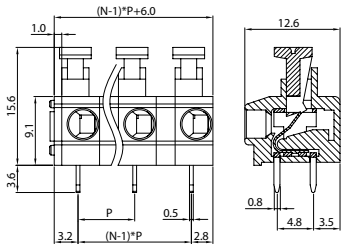
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

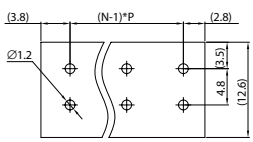
PTB235-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5 10.0	02～16(pitch7.5) 02～12(pitch10.0) (01&01 contacts stackable)	0 Black 5 Green 8 Grey









P.C.B LAYOUT

PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB235T-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

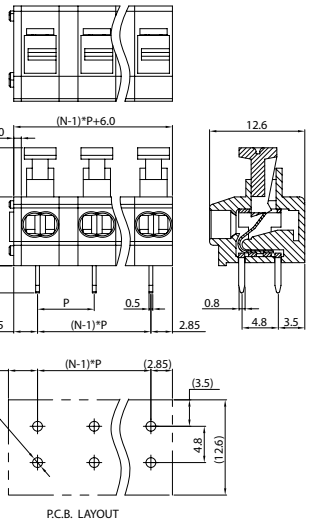
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 2*18-24
Stranded wire (AWG)	: 2*18-24
Wire strip length	: 9-10mm
Withstanding Voltage	: 1.6KV

PTB235T-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5	02～16(pitch7.5)	0 Black
10.0	02～12(pitch10.0)	5 Green
	(01&01 contacts stackable)	8 Grey
		9 White





PTB250-3.5-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 6A

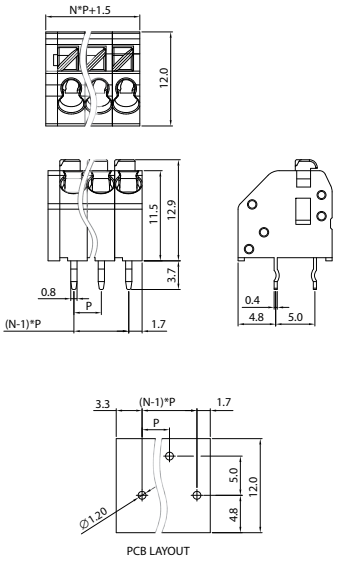
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-20
Stranded wire (AWG)	: 16-20
Wire strip length	: 8.5-9.5mm
Withstanding Voltage	: 1.6KV

PTB250-3.5-XXP-1X

Number of Contacts	Color
02～24	0 Black
(01&01 contacts stackable)	3 Orange
	5 Green
	6 Blue
	8 Grey





PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB250-7.0-XXP-1X



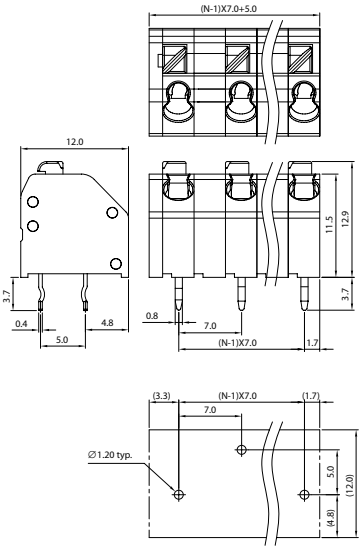
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 6A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-20
Stranded wire (AWG)	: 16-20
Wire strip length	: 8.5-9.5mm
Withstanding Voltage	: 1.6KV

PTB250-7.0-XXP-1X

Number of Contacts	Color
02～12 (01&01 contacts stackable)	0 Black 3 Orange 5 Green 6 Blue 8 Grey



PTB237-5.08-XXP-18



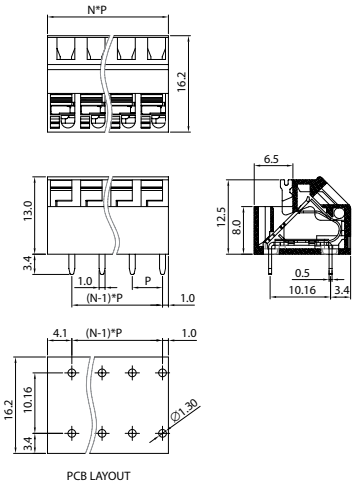
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 12A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-22
Stranded wire (AWG)	: 16-22
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

PTB237-5.08-XXP-18

Number of Contacts
02～24 (Solid block)



PCB SPRING/SCREWLESS TERMINAL BLOCKS

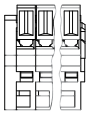
PTB240-XX-XXP-1X

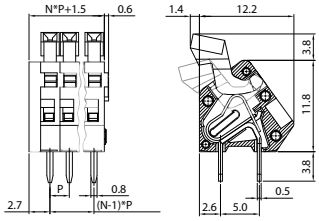
Electrical Parameters	
Voltage rating	: 150V
Current rating	: 4A

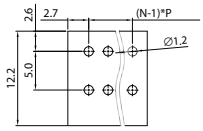
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 22-28
Stranded wire (AWG)	: 22-28
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.3KV









PCB LAYOUT

PTB240-XX-XXP-1X

Pitch	Number of Contacts	Color
2.50 2.54	02～24 (01&01 contacts stackable)	0 Black 3 Orange 5 Green 6 Blue 8 Grey

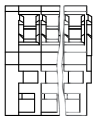
PTB240W-XX-XXP-1X

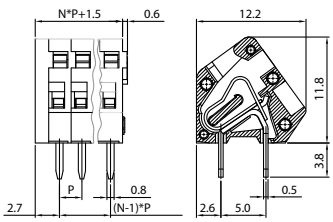
Electrical Parameters	
Voltage rating	: 150V
Current rating	: 4A

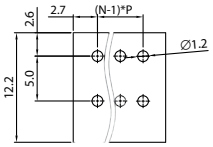
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 22-28
Stranded wire (AWG)	: 22-28
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.3KV









PCB LAYOUT

PTB240W-XX-XXP-1X

Pitch	Number of Contacts	Color
2.50 2.54	02～24 (01&01 contacts stackable)	0 Black 3 Orange 5 Green 6 Blue 8 Grey

PTB240-XX-XXP-1X

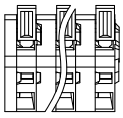
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 4A
Wire range	
Solid wire (AWG)	: 22-28
Stranded wire (AWG)	: 22-28
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

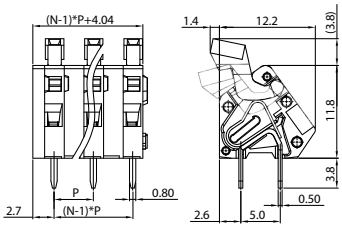
Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

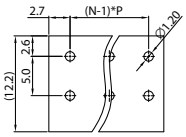
PTB240-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0 5.08	02～24 (01&01 contacts stackable)	0 Black 3 Orange 5 Green 6 Blue 8 Grey









PCB LAYOUT

PTB240W-XX-XXP-1X

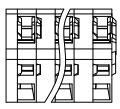
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 4A
Wire range	
Solid wire (AWG)	: 22-28
Stranded wire (AWG)	: 22-28
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

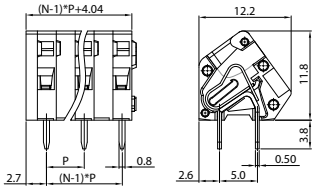
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

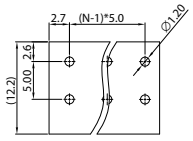
PTB240W-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0 5.08	02～24 (01&01 contacts stackable)	0 Black 3 Orange 5 Green 6 Blue 8 Grey









PCB LAYOUT

PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB236-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

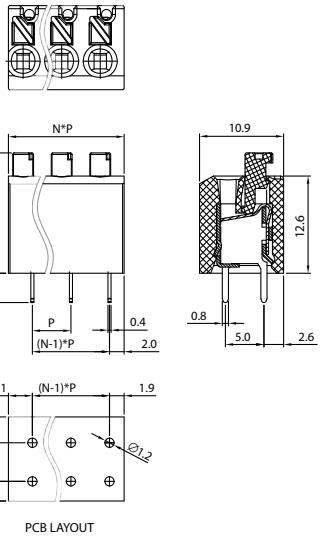
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-20
Stranded wire (AWG)	: 16-20
Wire strip length	: 8-9mm
Withstanding Voltage	: 1.6KV

PTB236-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24(pitch5.0)	8 Grey
10.0	02～12(pitch10.0)	3 Orange
	(Solid block)	





PCB LAYOUT

PTB245-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A

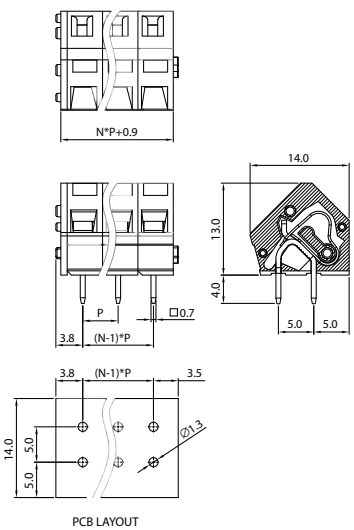
Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-28
Stranded wire (AWG)	: 12-28
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

PTB245-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0	02～24	0 Black
5.08	(01&01 contacts stackable)	2 Red
		5 Green
		8 Grey





PCB LAYOUT

PTB245-XX-XXP-1X

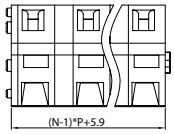
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A
Wire range	
Solid wire (AWG)	: 12-28
Stranded wire (AWG)	: 12-28
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

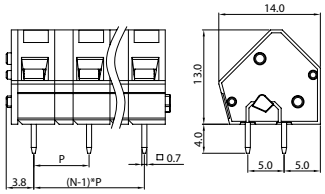
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

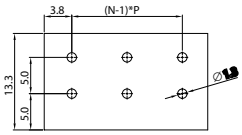
PTB245-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5 7.62 10.0 10.16	02～16(pitch7.5/7.62) 02～12(pitch10.0/10.16) (01&01 contacts stackable)	0 Black 2 Red 5 Green 8 Grey









PCB LAYOUT

PTB243-XX-XXP-1X

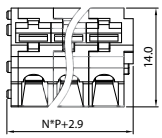
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A
Wire range	
Solid wire (AWG)	: 12-28
Stranded wire (AWG)	: 12-28
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV

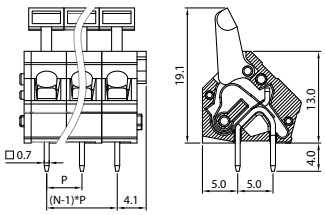
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

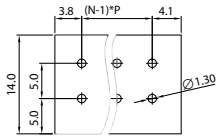
PTB243-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0 5.08	02～24 (01&01 contacts stackable)	0 Black 2 Red 5 Green 8 Grey C Multiple colors









PCB LAYOUT

PCB SPRING/SCREWLESS TERMINAL BLOCKS

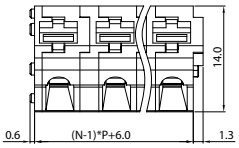
PTB243-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 15A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

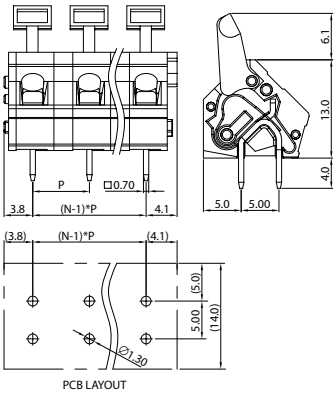
Wire range	
Solid wire (AWG)	: 12-28
Stranded wire (AWG)	: 12-28
Wire strip length	: 5-6mm
Withstanding Voltage	: 1.6KV





PTB243-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5 7.62 10.0 10.16	02～16(pitch7.5/7.62) 02～12(pitch10.0/10.16) (01&01 contacts stackable)	8 Grey 3 Orange



PCB LAYOUT

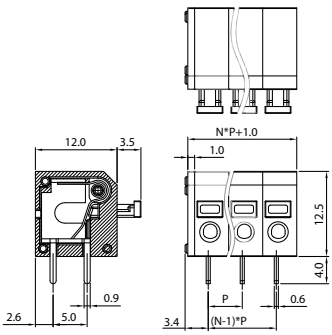
PTB211R-5.0-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 6A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

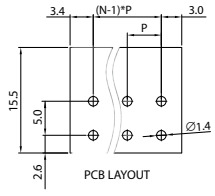
Wire range	
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV





PTB211R-5.0-XXP-1X

Number of Contacts	Color
02～24 (01&01 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey



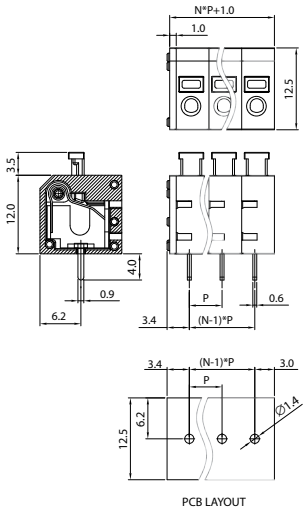
PCB LAYOUT

PTB211V-5.0-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 6A
Wire range	
Solid wire (AWG)	: 16-26
Stranded wire (AWG)	: 16-26
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB211V-5.0-XXP-1X

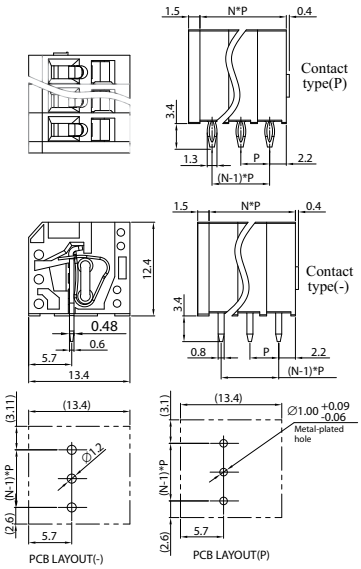
Number of Contacts	Color
02～24 (01&01 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

PTB204X-3.81-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 6A
Wire range	
Solid wire (AWG)	: 14-28
Stranded wire (AWG)	: 14-28
Wire strip length	: 6-7mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB204X-3.81-XXP-1X

Contact type:	Number of Contacts	Color
- Dip solder P Press-fit	02～24 (01&01 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey

PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB204X-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

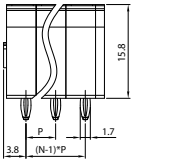
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-28
Stranded wire (AWG)	: 12-28
Wire strip length	: 8-9mm
Withstanding Voltage	: 1.6KV

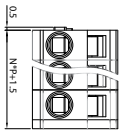
PTB204X-XX-XXP-1X

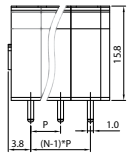
Contact type:	Pitch	Number of Contacts	Color
- Dip solder P Press-fit	5.0 5.08	02～24 (01&01 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey



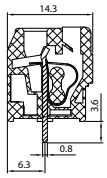


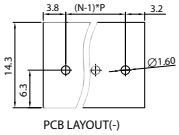
Contact type(P)



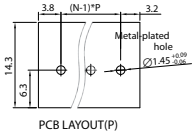


Contact type(-)





PCB LAYOUT(-)



PCB LAYOUT(P)

PTB204X-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

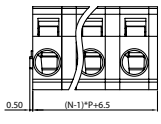
Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

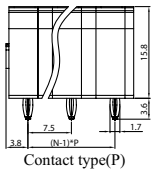
Wire range	
Solid wire (AWG)	: 12-28
Stranded wire (AWG)	: 12-28
Wire strip length	: 8-9mm
Withstanding Voltage	: 1.6KV

PTB204X-XX-XXP-1X

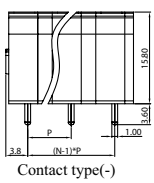
Contact type:	Pitch:	Number of Contacts	Color
- Dip solder P Press-fit	7.5 7.62 10.0 10.16	02～16(pitch7.5/7.62) 02～12(pitch10.0/10.16) (01&01 contacts stackable)	0 Black 5 Green 6 Blue 8 Grey



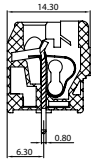


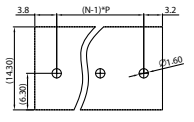


Contact type(P)

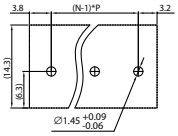


Contact type(-)





PCB LAYOUT(-)



PCB LAYOUT(P)

PCB SPRING/SCREWLESS TERMINAL BLOCKS

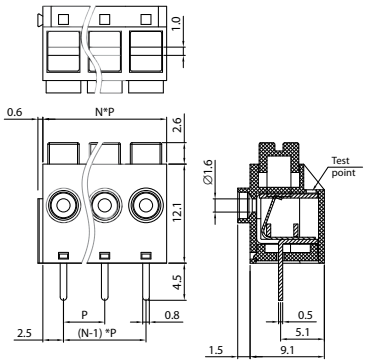
PTB390-XX-XXP-18

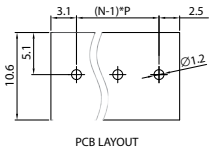
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 7A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 18-22
Stranded wire (AWG)	: 18-22
Wire strip length	: 7-7.5mm
Withstanding Voltage	: 1.6KV







PCB LAYOUT

PTB390-XX-XXP-18

Pitch	Number of Contacts
5.0	02～24 (Pitch5.0)
10.0	02～12 (Pitch10.0)
	(02&03 contacts stackable)

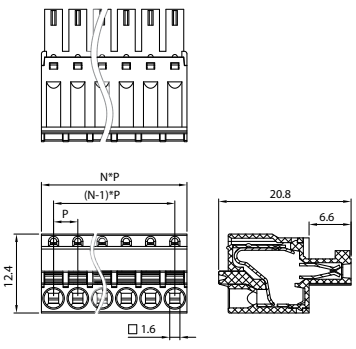
PTB15EDGKD-XX-XXP-1X

Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Wire strip length	: 8-9mm
Withstanding Voltage	: 1.6KV





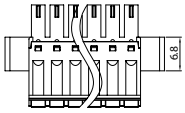
PTB15EDGKD-XX-XXP-1X

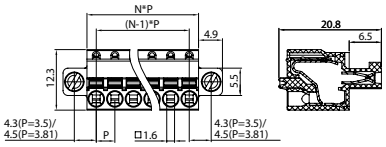
Pitch	Number of Contacts	Color
3.5	02～24	0 Black
3.81	(Solid block)	5 Green
		6 Blue
		8 Grey

PCB SPRING/SCREWLESS TERMINAL BLOCKS

PTB15EDGKDM-XX-XXP-1X







Electrical Parameters	
Voltage rating	: 300V
Current rating	: 8A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

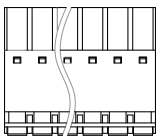
Wire range	
Solid wire (AWG)	: 16-28
Stranded wire (AWG)	: 16-28
Wire strip length	: 8-9mm
Withstanding Voltage	: 1.6KV

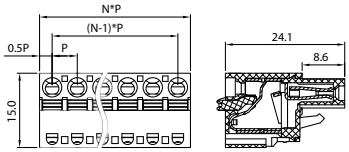
PTB15EDGKDM-XX-XXP-1X

Pitch	Number of Contacts	Color
3.5 3.81	02～24 (Solid block)	0 Black 5 Green 6 Blue 8 Grey

PTB2EDGKD-XX-XXP-1X







Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-26
Stranded wire (AWG)	: 12-26
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV

PTB2EDGKD-XX-XXP-1X

Pitch	Number of Contacts	Color
5.0 5.08	02～24 (Solid block)	0 Black 5 Green 6 Blue 8 Grey

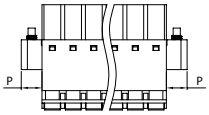
PCB SPRING/SCREWLESS TERMINAL BLOCKS

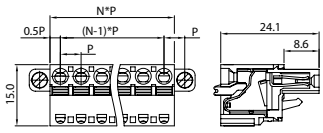
PTB2EDGKDM-XX-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A
Wire range	
Solid wire (AWG)	: 12-26
Stranded wire (AWG)	: 12-26
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated





PTB2EDGKDM-XX-XXP-1X

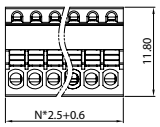
Pitch	Number of Contacts	Color
5.0 5.08	02~24 (Solid block)	0 Black 5 Green 6 Blue 8 Grey

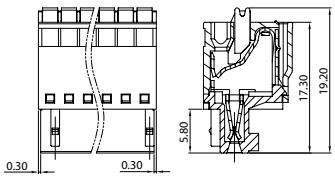
PTB15EDGKD-2.5-XXP-1X

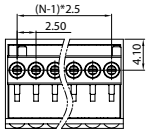


Electrical Parameters	
Voltage rating	: 150V
Current rating	: 4A
Wire range	
Solid wire (AWG)	: 20-28
Stranded wire (AWG)	: 20-28
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.3KV

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated







PTB15EDGKD-2.5-XXP-1X

Number of Contacts	Color
02~24 (Solid block)	0 Black 5 Green 6 Blue 8 Grey

PCB SPRING/SCREWLESS TERMINAL BLOCKS

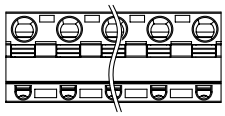
PTB2EDGKD-XX-XXP-1X

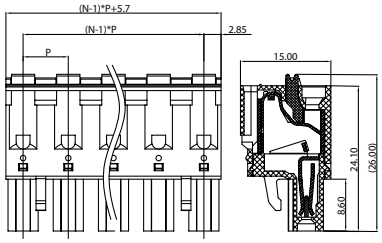
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

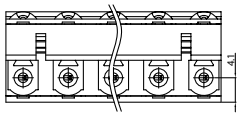
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-26
Stranded wire (AWG)	: 12-26
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV









PTB2EDGKD-XX-XXP-1X

Pitch:	Number of Contacts	Color
7.5	02～16	0 Black
7.62	(Solid block)	5 Green
		6 Blue
		8 Grey

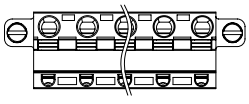
PTB2EDGKDM-XX-XXP-1X

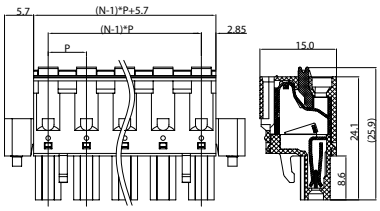
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 10A

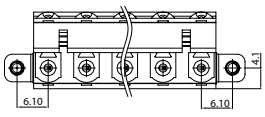
Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 12-26
Stranded wire (AWG)	: 12-26
Wire strip length	: 7-8mm
Withstanding Voltage	: 1.6KV









PTB2EDGKDM-XX-XXP-1X

Pitch	Number of Contacts	Color
7.5	02～16	0 Black
7.62	(Solid block)	5 Green
		6 Blue
		8 Grey

PTB15EDGKDI-3.81-XXP-1X

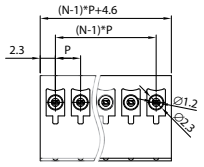
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 6A
Wire range	
Solid wire (AWG)	: 20-24
Stranded wire (AWG)	: 20-24
Withstanding Voltage	: 1.6KV

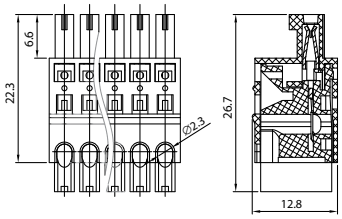
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB15EDGKDI-3.81-XXP-1X

Number of Contacts	Color
02～24 (Solid block)	0 Black 5 Green 6 Blue 8 Grey







PTB15EDGKDIM-3.81-XXP-1X

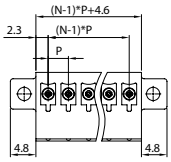
Electrical Parameters	
Voltage rating	: 300V
Current rating	: 6A
Wire range	
Solid wire (AWG)	: 20-24
Stranded wire (AWG)	: 20-24
Withstanding Voltage	: 1.6KV

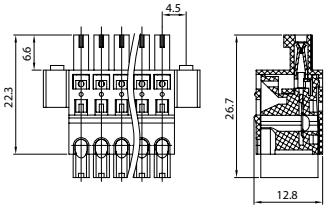
Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

PTB15EDGKDIM-3.81-XXP-1X

Number of Contacts	Color
02～24 (Solid block)	0 Black 5 Green 6 Blue 8 Grey







PCB SPRING/SCREWLESS TERMINAL BLOCKS

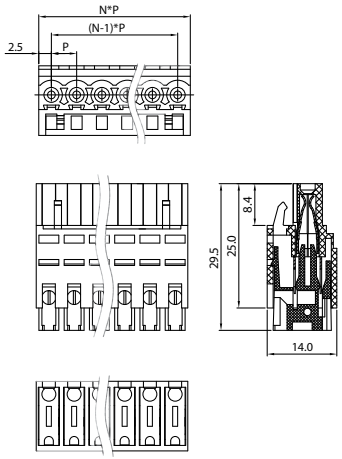
PTB2EDGKDI-5.08-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 7A

Material	
Housing	: Thermoplastic
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 18-22
Stranded wire (AWG)	: 18-22
Wire strip length	:
Withstanding Voltage	: 1.6KV



PTB2EDGKDI-5.08-XXP-1X

Number of Contacts	Color
02～24 (Solid block)	0 Black 5 Green 6 Blue 8 Grey

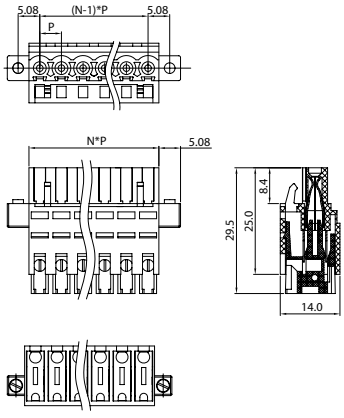
PTB2EDGKDIM-5.08-XXP-1X



Electrical Parameters	
Voltage rating	: 300V
Current rating	: 7A

Material	
Housing	: Thermoplasitc
Contact	: Copper alloy, tin plated

Wire range	
Solid wire (AWG)	: 18-22
Stranded wire (AWG)	: 18-22
Withstanding Voltage	: 1.6KV



PTB2EDGKDIM-5.08-XXP-1X

Number of Contacts	Color
02～24 (Solid block)	0 Black 5 Green 6 Blue 8 Grey

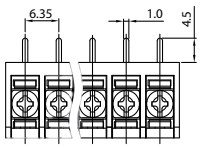
BARRIER TYPE TERMINAL BLOCKS

PTB16R-B-XXP-10

Electrical Parameters	
Rated	: 250V 10A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 5.3Lb-In
Wire range	: 22-18 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

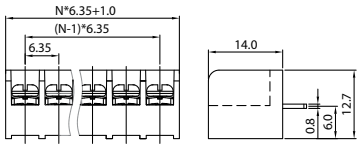


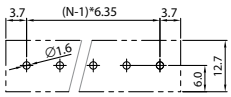


PTB16R-B-XXP-10

Number of Contacts

02~30





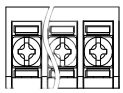
P.C.B LAYOUT

PTB16S-B-XXP-10

Electrical Parameters	
Rated	: 250V 10A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 5.3Lb-In
Wire range	: 22-18 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

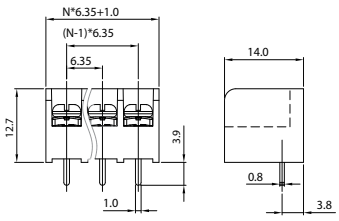


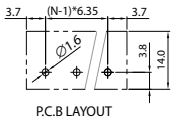


PTB16S-B-XXP-10

Number of Contacts

02~30





P.C.B LAYOUT

PTB25R-B-XXP-10

Electrical Parameters	
Rated	: 250V 15A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 5.3Lb-In
Wire range	: 22-16 AWG

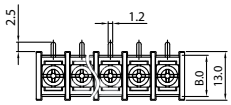
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

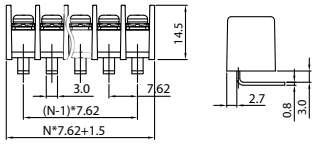
PTB25R-B-XXP-10

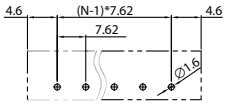
Number of Contacts

02~30









P.C.B LAYOUT

PTB25C-B-XXP-10

Electrical Parameters	
Rated	: 250V 15A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 5.3Lb-In
Wire range	: 22-16 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

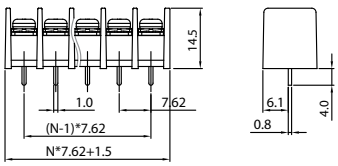
PTB25C-B-XXP-10

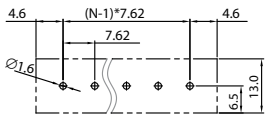
Number of Contacts

02~30









P.C.B LAYOUT

BARRIER TYPE TERMINAL BLOCKS

PTB25CA-B-XXP-10

Electrical Parameters	
Rated	: 250V 15A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 5.3Lb-In
Wire range	: 22-16 AWG

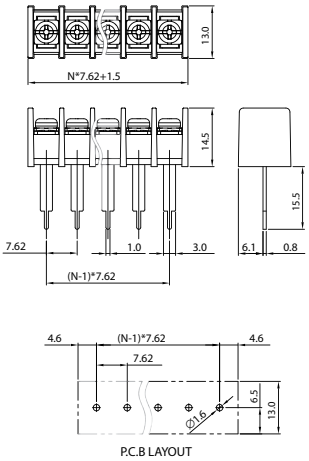
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

PTB25CA-B-XXP-10

Number of Contacts

02~30





PTB23C-B-XXP-10

Electrical Parameters	
Rated	: 300V 15A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 5.3Lb-In
Wire range	: 22-14 AWG

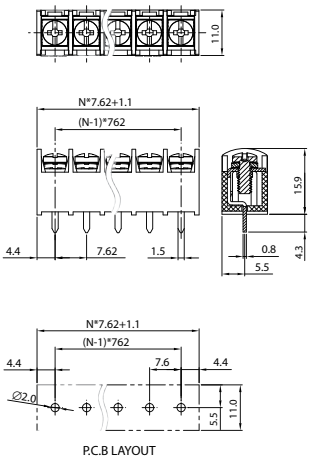
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

PTB23C-B-XXP-10

Number of Contacts

02~30





BARRIER TYPE TERMINAL BLOCKS

PROTECTRON

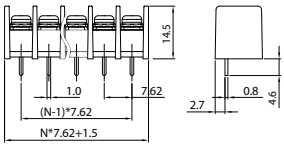
PTB25S-B-XXP-10



Electrical Parameters	
Rated	: 250V 15A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 5.3Lb-In
Wire range	: 22-16 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

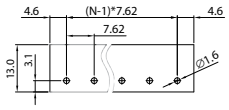




PTB25S-B-XXP-10

Number of Contacts

02~30



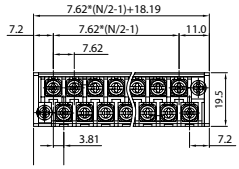
P.C.B LAYOUT

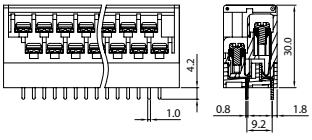
PTB24-1-XXP-10



Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 11.0Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

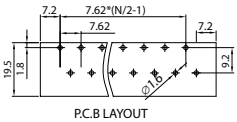




PTB24-1-XXP-10

Number of Contacts

2 x 02~2 x 21



P.C.B LAYOUT

BARRIER TYPE TERMINAL BLOCKS

PTB38R-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 7.0Lb-In
Wire range	: 22-12 AWG

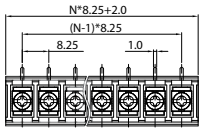
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

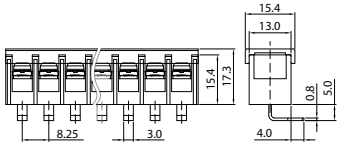
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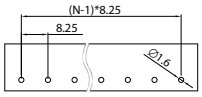
Number of Contacts

02~30









P.C.B LAYOUT

PTB35R-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

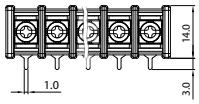
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

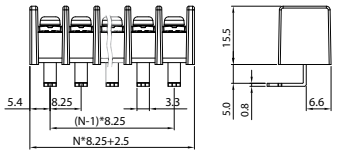
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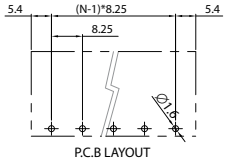
Number of Contacts

02~30









P.C.B LAYOUT

BARRIER TYPE TERMINAL BLOCKS

PTB38C-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 7.0Lb-In
Wire range	: 22-12 AWG

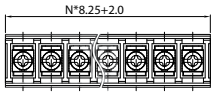
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

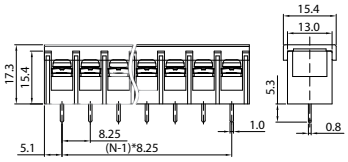
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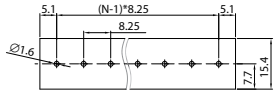
Number of Contacts

02~30









P.C.B LAYOUT

PTB35C-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

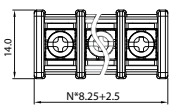
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

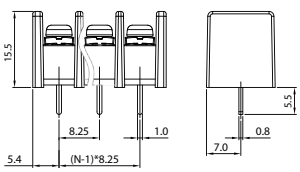
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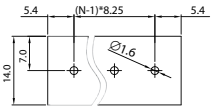
Number of Contacts

02~30









P.C.B LAYOUT

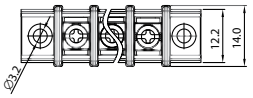
BARRIER TYPE TERMINAL BLOCKS

PTB35H-A-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

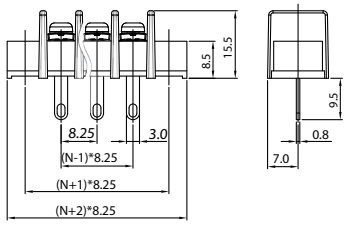




PTB35H-A-XXP-10

Number of Contacts

02~30



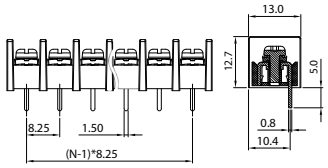
PTB35SA-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated



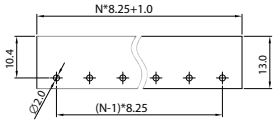




PTB35SA-B-XXP-10

Number of Contacts

02~30



P.C.B LAYOUT

BARRIER TYPE TERMINAL BLOCKS

PROTECTRON

PTB35S-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 7.0Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

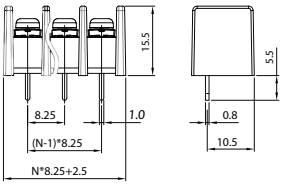
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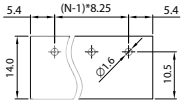
Number of Contacts

02~30









P.C.B LAYOUT

PTB36R-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

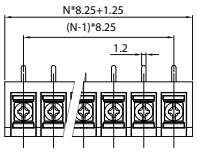
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

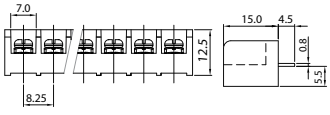
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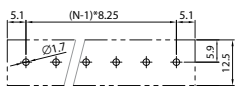
Number of Contacts

02~30









P.C.B LAYOUT

BARRIER TYPE TERMINAL BLOCKS

PTB36S-B-XXP-15

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

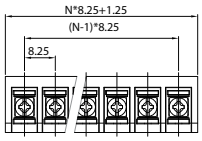
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3 Ni Plated

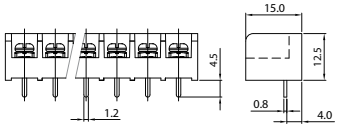
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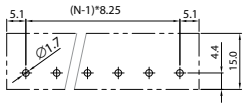
Number of Contacts

02~30









P.C.B LAYOUT

PTB48R-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 12.0Lb-In
Wire range	: 22-12 AWG

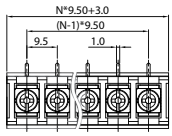
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated

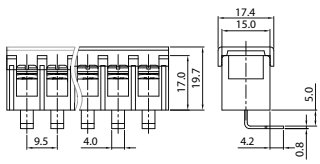
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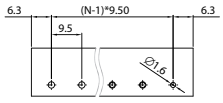
Number of Contacts

02~30









P.C.B LAYOUT

PTB48S-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 12.0Lb-In
Wire range	: 22-12 AWG

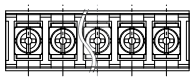
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated

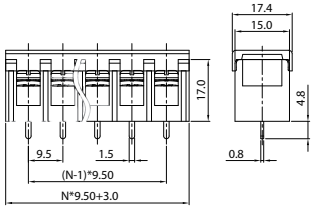
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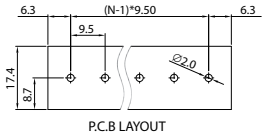
Number of Contacts

02~30









PTB48H-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 12.0Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated

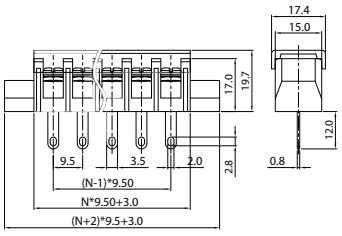
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Number of Contacts

02~30







BARRIER TYPE TERMINAL BLOCKS

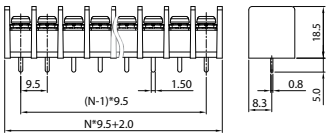
PTB45C-B-XXP-10

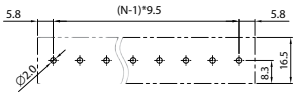
Electrical Parameters	
Rated	: 300V 30A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-10 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated









P.C.B LAYOUT

PTB45C-B-XXP-10

Number of Contacts

02~30

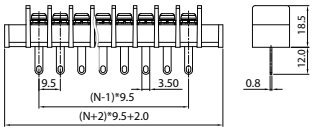
PTB45H-A-XXP-10

Electrical Parameters	
Rated	: 300V 30A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-10 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated







PTB45H-A-XXP-10

Number of Contacts

02~30

BARRIER TYPE TERMINAL BLOCKS

PTB45S-B-XXP-10

Electrical Parameters	
Rated	: 300V 30A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated

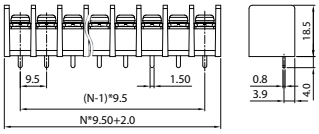
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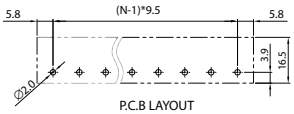
Number of Contacts

02~30









P.C.B LAYOUT

PTB46RA-B-XXP-10

Electrical Parameters	
Rated	: 300V 30A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 10.54Lb-In
Wire range	: 22-10 AWG

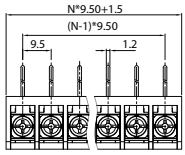
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated

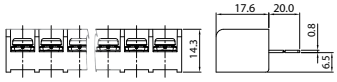
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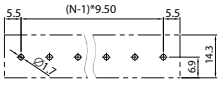
Number of Contacts

02~30









P.C.B LAYOUT

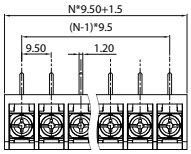
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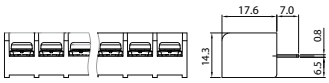
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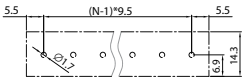
Electrical Parameters	
Rated	: 300V 30A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 10.54Lb-In
Wire range	: 22-10 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated









P.C.B LAYOUT

PTB46R-B-XXP-10

Number of Contacts

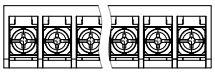
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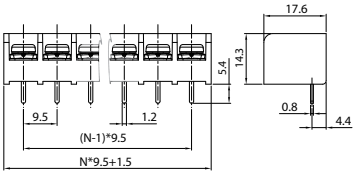
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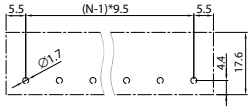
Electrical Parameters	
Rated	: 300V 30A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 10.54Lb-In
Wire range	: 22-10 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated









P.C.B LAYOUT

PTB46S-B-XXP-10

Number of Contacts

02~30

BARRIER TYPE TERMINAL BLOCKS

PTB46SH-B-XXP-10

Electrical Parameters	
Rated	: 300V 30A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 10.54Lb-In
Wire range	: 22-10 AWG

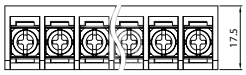
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated

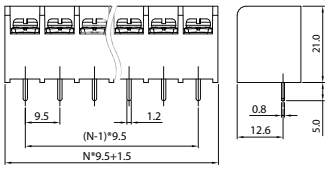
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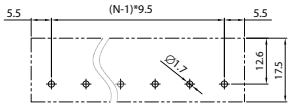
Number of Contacts

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P.C.B LAYOUT

PTB58R-B-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 12Lb-In
Wire range	: 22-12 AWG

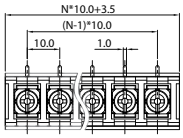
Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated

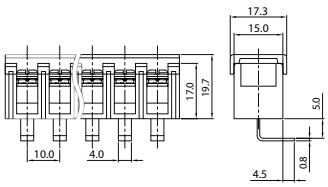
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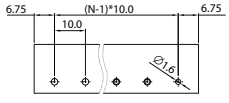
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P.C.B LAYOUT

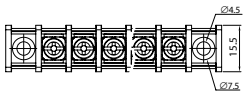
BARRIER TYPE TERMINAL BLOCKS

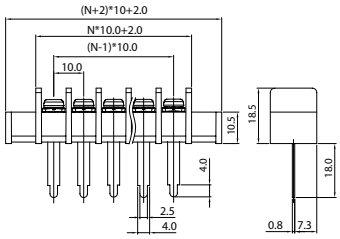
PTB55CA-A-XXP-10

Electrical Parameters	
Rated	: 300V 25A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated







PTB55CA-A-XXP-10

Number of Contacts

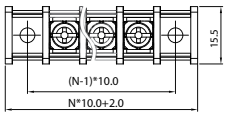
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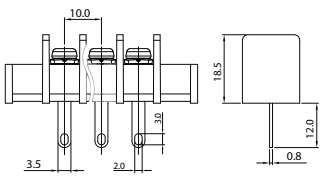
PTB55H-A-XXP-10

Electrical Parameters	
Rated	: 300V 25A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated







PTB55H-A-XXP-10

Number of Contacts

02~30

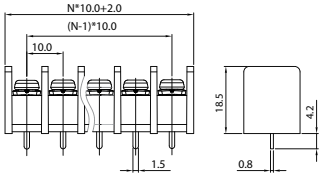
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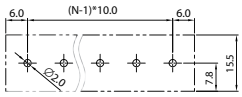
Electrical Parameters	
Rated	: 300V 25A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated









P.C.B LAYOUT

PTB55C-B-XXP-10

Number of Contacts

02~30

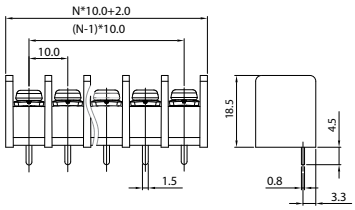
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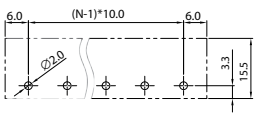
Electrical Parameters	
Rated	: 300V 25A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 8.8Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 0.8t Tin Plated
Terminal Screw	:	Steel M3.5 Ni Plated









PTB55S-B-XXP-10

Number of Contacts

02~30

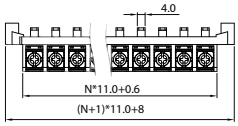
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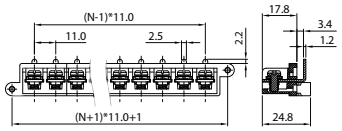
PTB11-1-A-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 11.0Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 1.2t Tin Plated
Terminal Screw	:	Steel M4 Ni Plated







PTB11-1-A-XXP-10

Number of Contacts

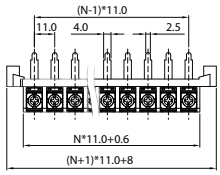
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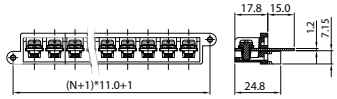
PTB12-1-A-XXP-10

Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 12.2Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 1.2t Tin Plated
Terminal Screw	:	Steel M4 Ni Plated







PTB12-1-A-XXP-10

Number of Contacts

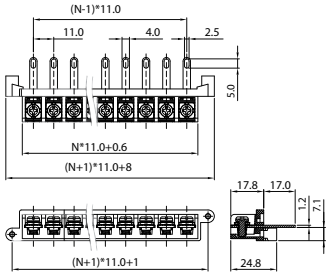
02~30

PTB12-2-A-XXP-10



Electrical Parameters	
Rated	: 300V 20A
Insulation withstands Voltage	: AC2000V/min
Insulation Resistance	: 1000MΩ or More at DC500V
Using Temperature Range	: -40°C~+115°C
Screw Torque Value	: 12.2Lb-In
Wire range	: 22-12 AWG

Material		
Molded parts	:	PA66 UL94V-0 Black
Terminal	:	Brass 1.2t Tin Plated
Terminal Screw	:	Steel M4 Ni Plated



PTB12-2-A-XXP-10

Number of Contacts

02～30