EN - For pricing and availability in your local country please visit one of the below links:

DE - Informationen zu Preisen und Verfügbarkeit in Ihrem Land erhalten Sie über die unten aufgeführten Links:

FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

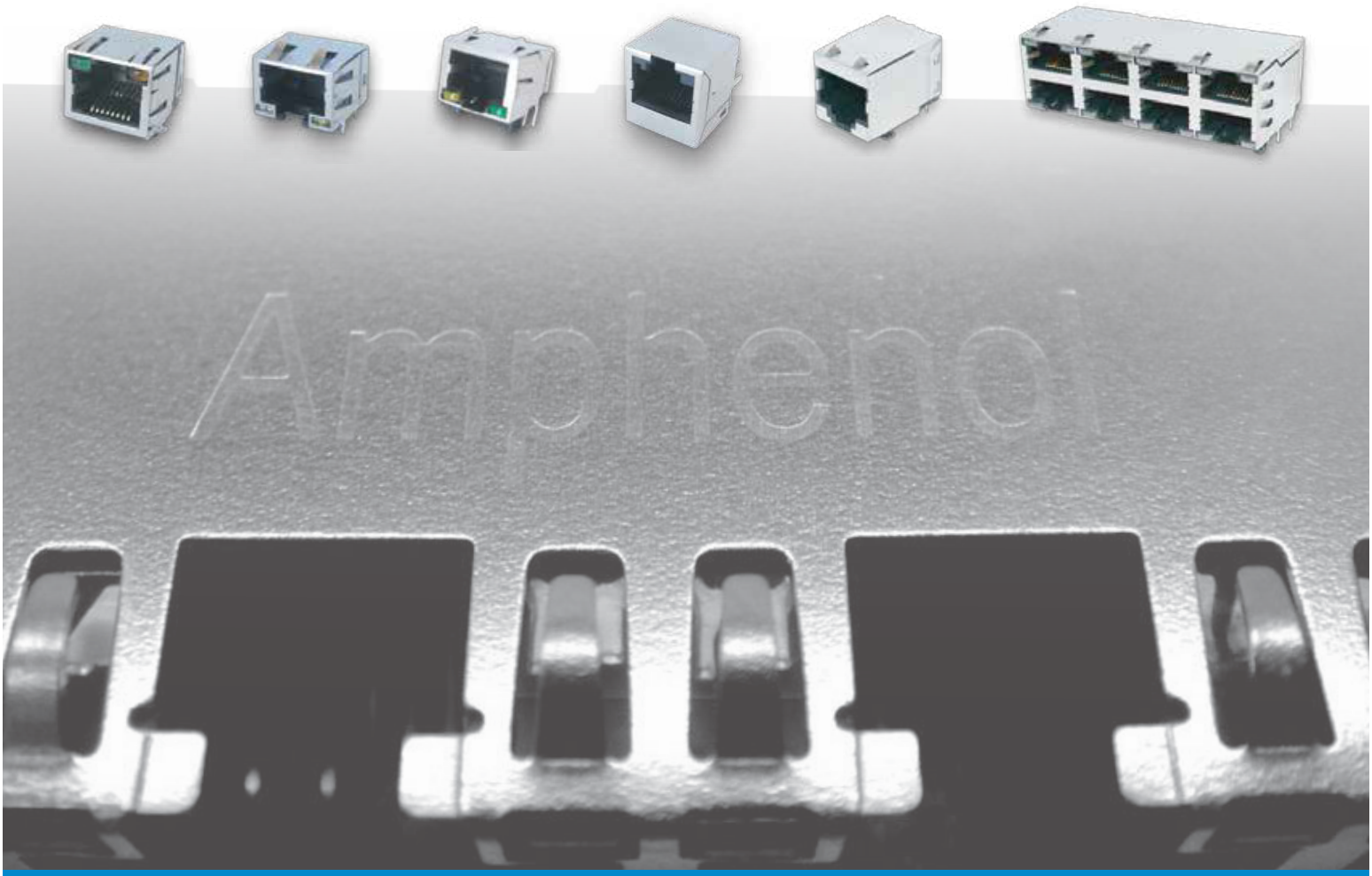
RJHSE-5381 FRJAE-438

EN
This Datasheet is presented by the manufacturer

DE
Dieses Datenblatt wird vom Hersteller bereitgestellt

FR
Cette fiche technique est présentée par le fabricant

Modular Jacks



Amphenol®

Now you're connected!

Amphenol®

Amphenol Data/Telecom Products Group of **Amphenol Canada Corp.**, a subsidiary of Amphenol Corporation, is an *ISO 9001 certified* facility located in Toronto, Canada. Our activities are dedicated to the design, development and manufacturing of interconnect products intended for use in the data communications and telecommunications markets. Our expertise in understanding and supporting our customers' interconnect needs has earned Amphenol Canada a reputation of quality and excellence among the world's leading users of electronic components.

This modular jack catalogue represents some of our more popular products within this product category. Other product categories include, but not limited to: D-sub, Micro-Ribbon, USB, Headers and Sockets, CoolPower connectors, VHDCI, Capacitively Decoupled BNC, filtered connectors (D-subs and micro-ribbon), and rugged connectors (RJ, USB, D-subs, and bulkhead adaptors).

Can't find what you are looking for? For other modular jack products, modifications and customizations please contact us at sales@amphenolcanada.com.

Note: This catalogue is updated regularly. Please refer to the website for the most recent edition.

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RJ11 Dust Cover*	FRJ - 2611	

All of our modular jacks are RoHS compliant

All drawings in this document are in inches [mm].

* For more information on our dust covers please visit www.amphenolcanada.com or email sales@amphenolcanada.com

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LED Designation

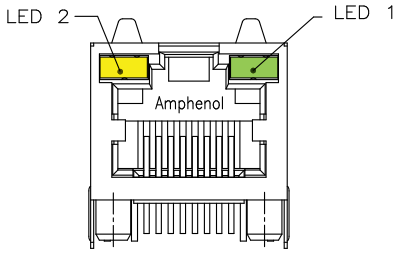
Ex. RJHSE - 538X*

* LED Designation Code

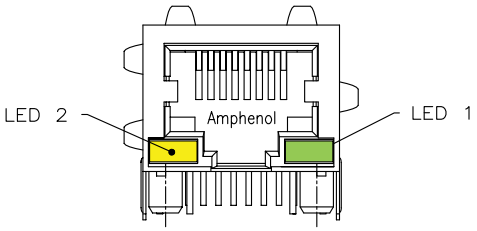
LED CODE	LED 2 Left	LED 1 Right
0	Blocked	Blocked
1	Yellow	Green
2	Blocked	Green
3	Yellow	Blocked
4	Green	Yellow
5	Green	Green
6	Yellow	Yellow
7	Red	Green
8	Green	Red
9	Green	Blocked
A	BiC GR/YE	BiC GR/YE
B	BiC RD/GR	BiC RD/GR
C	BiC RD/GR	BiC GR/YE
D	Green	BiC GR/YE
E	Yellow	BiC GR/YE
F	BiC GR/YE	Yellow
G	BiC GR/OR	BiC GR/OR
H	BiC GR/YE	Green
J	BiC RD/GR	Yellow
K	Yellow	BiC GR/OR
L	BiC GR/YE	Red
M	Red	Yellow
N	BiC GR/RD	BiC GR/YE
P	Green	BiC RD/GR
R	BiC GR/OR	Green
T	Red	Red
V	BiC RD/GR	Green

Note: A black X in the part number refers to the LED designation code for all drawings in this catalogue.

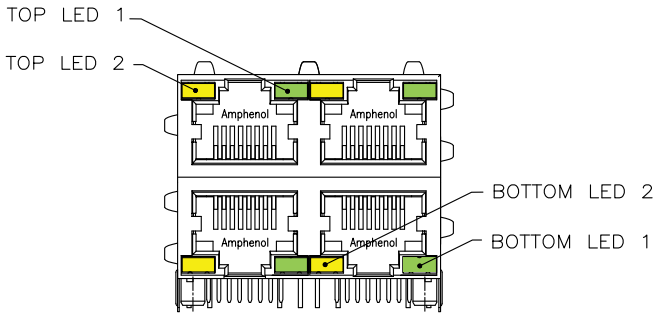
For RJHS, RJCSE, RJESE, RJE71, and RJE72:



For RJSBE and RJE73:



For Stacked Connectors:



Other LED options are available. If you do not see what you're looking for, please email sales@amphenolcanada.com to request the complete LED ordering options.

RJHS SERIES

EMI QUIET WITH LEDS

EMI Quiet Modular Jack with LEDs

A series of EMI Quiet Modular Jack connectors with buit-in LEDs. This product is ideal for LAN applications such as adapter cards and routers. Shielded and non-shielded versions are available, with a variety of LED colours and ports.



Specifications

Material

Insulator: High temperature engineering thermoplastic; compiles with UL 94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail.

Shield: Stainless steel with tin dipped tails

LED: Tin plating on LED tail. Epoxy lens.

Electrical

Contact Resistance: 20 mΩ maximum

Insulation Resistance: 500 MΩ minimum

Current Rating: 1.5 Amps

Voltage Rating: 125 Volts AC

DWV: 1000 VAC, 60 Hz. 1 minute

Standard LEDs: For 5.0 V Systems

Forward Voltage	2.1 Volts typical
Reverse Voltage	6 Volts minimum
Luminous Intensity:	0.5 mCd minimum (at If = 2mA)

Low Current LEDs: For 3.3 V Systems

Forward Voltage:	2 Volts typical
Reverse Voltage:	6 Volts minimum
Luminous Intensity:	1 mCd minimum (at If = 2mA)

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum

Mating Connector Pull Retention Force: 20 lbs. minimum

Durability: 750 mating & unmating cycles

Recommended Soldering Temperature: Wave soldering peaked at 260°C for 5 seconds maximum

Connectors without LEDs are suitable for IR reflow

Operating Temperature: -55°C to + 85°C

UL File # : E135615

CSA File # : LR68598

Ordering Information

RJHS **X** - **X** **X** **X** **X** - **XX**

Series Designation
E - Standard series
P - PdNi contact plating

Version
3 - Vertical mount, 8 position
5 - Right angle, 8 position
7 - Right angle, 6 position
L - Right angle, low profile, 8 position

Shield Options
0 - No shield
3 - Standard shield
4 - Single port shield similar to code 3 but with side ground tabs
F - Shielded but with no top, side, or bottom tabs
P - Shield with top & bottom tabs, for vertical mount connector

Number of Ports
Blank - 1 port
02 - 2 ports
04 - 4 ports
06 - 6 ports
08 - 8 ports

LED Designation
Please refer to page 2 for options

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

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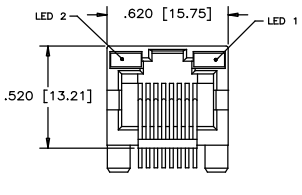
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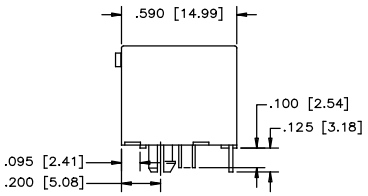
Single Port

RJHSE-508X

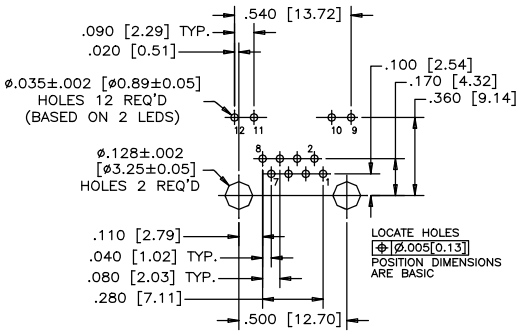
Non-Shielded



FRONT VIEW



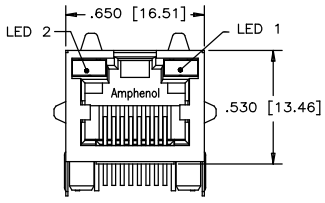
SIDE VIEW



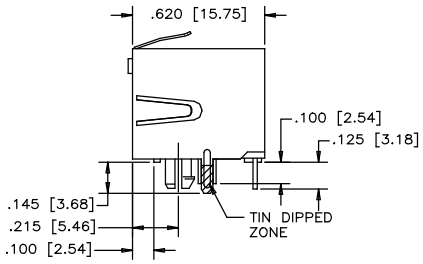
RECOMMENDED PCB LAYOUT

RJHSE-548X

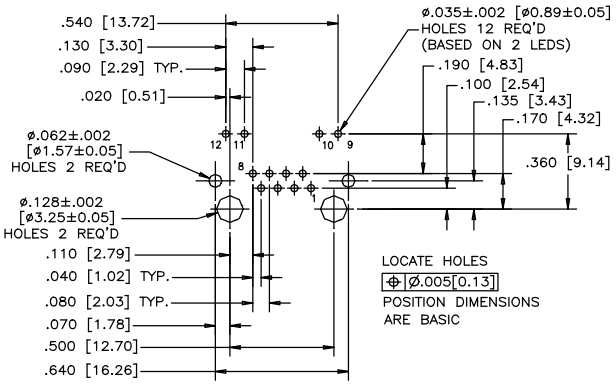
Shielded - With Top & Side Ground Tabs



FRONT VIEW



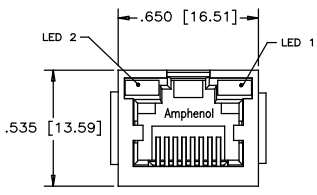
SIDE VIEW



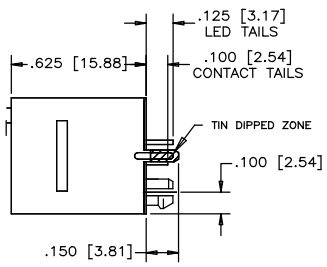
RECOMMENDED PCB LAYOUT

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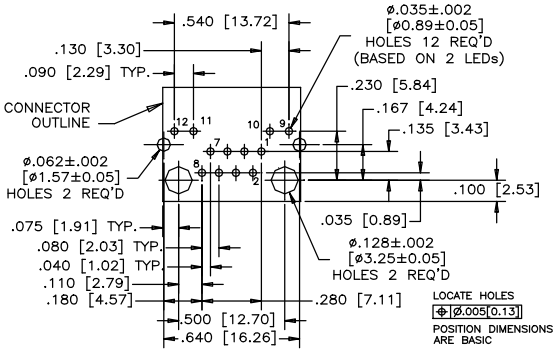
Vertical Mount



FRONT VIEW



SIDE VIEW

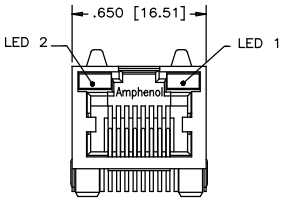


RECOMMENDED PCB LAYOUT

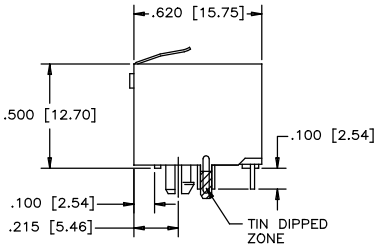
Single Port

RJHSE-L38X

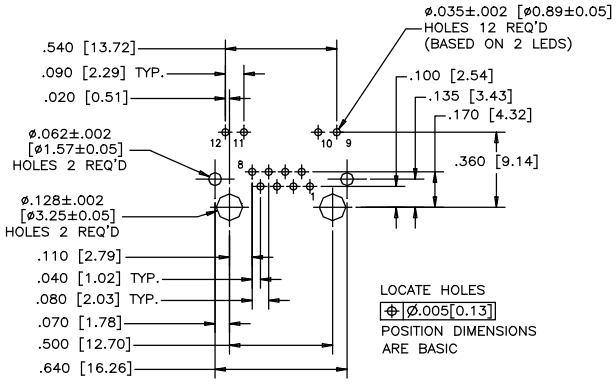
Shielded - Low Profile



FRONT VIEW



SIDE VIEW

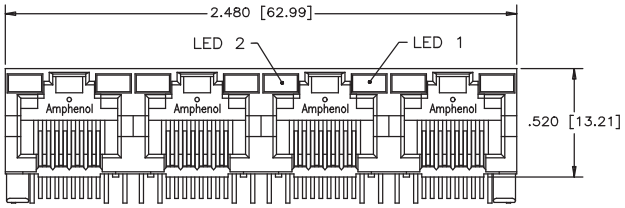


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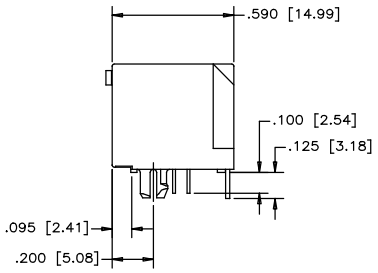
Multi Port

RJHSE-508X-04

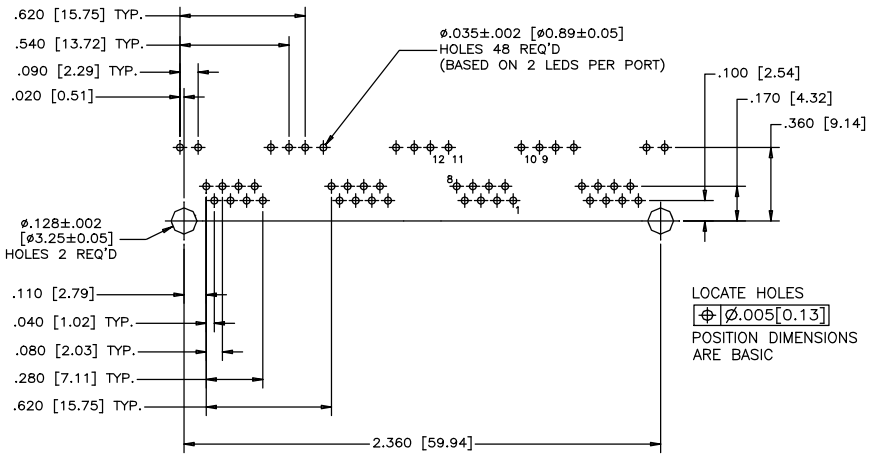
Non-Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

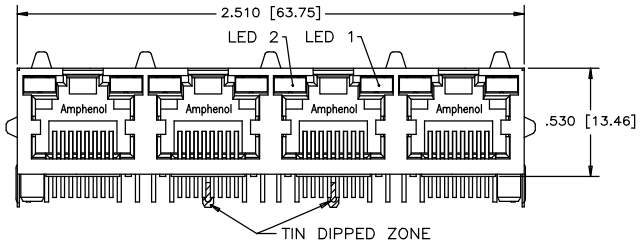
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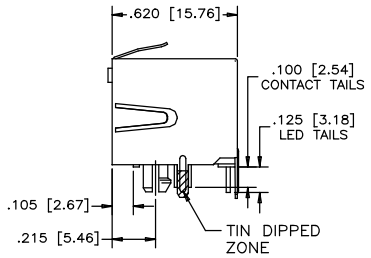
Multi Port

RJHSE-538X-04

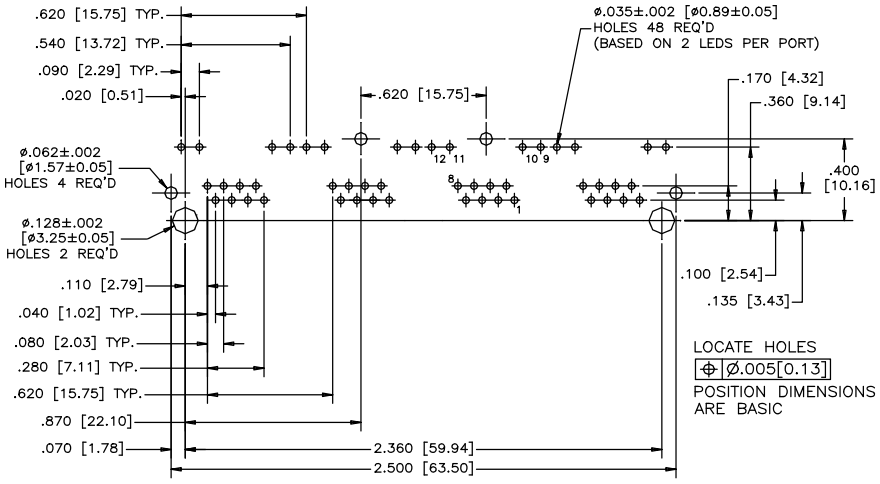
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

Notes

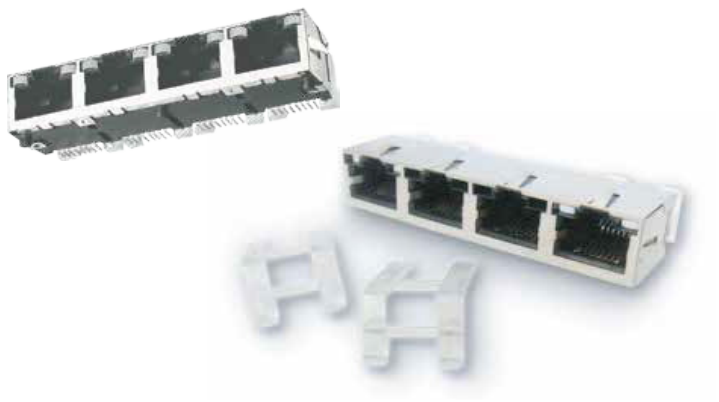
RJSSE SERIES

SURFACE MOUNT WITH LIGHT PIPES

Surface Mount with Light Pipes

Amphenol Canada's RJSSE series represents an expansion of our current RJHSE series connector. The RJSSE offers all the benefit of the RJHSE series in SMT with light pipes.

Shielded and unshielded versions are available with or without the light pipe option.



Specifications

Material

Insulator:	High temperature thermoplastic; complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper selective plated gold. Over 50µ" minimal nickel. 100µ" minimal matte-tin soldering tail.
Shield:	Copper alloy; nickel or matte tin plating
Light Pipe:	Optical grade polycarbonate; complies with UL 94V-0

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 mins max.
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60Hz. 1 minute

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	IR Relflow peaked at 260°C for 5 to 8 seconds *Light pipes to be installed after soldering*
Operating Temperature:	-55°C to +85°C
UL File # :	E135615

Ordering Information

RJSSE - X X X X - XX X

Version
5 - 8 position, 20 µ" gold plating
7 - 6 position, 20 µ" gold plating

Shield Options
0 - No shield, with hold down bracket
3 - Standard shield with tabs
5 - Shield, with flattened bottom tab
F - Shield, without tabs and boardlock
N - No shield, no hold down bracket
S - Shield, with straight PCB tail

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

Light Pipe Designation
0 - Blocked
1 - With light pipe
2 - Without light pipe, not blocked

Number of Ports
Blank - 1 port
02 - 2 ports
04 - 4 ports

Packaging
Blank - Tray
T - Tape and reel

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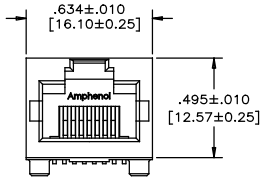
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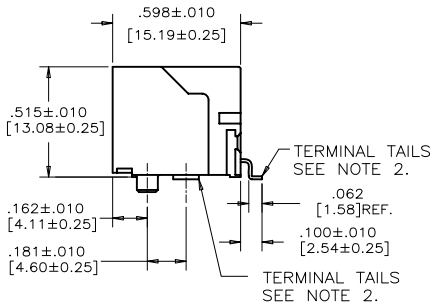
Single Port

RJSSE-5080

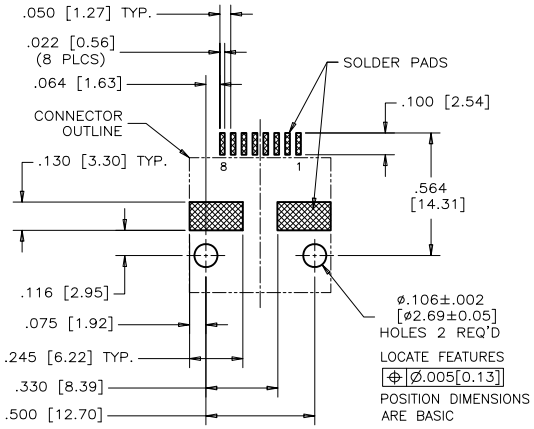
Non-Shielded



FRONT VIEW



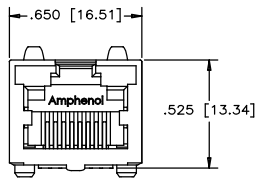
SIDE VIEW



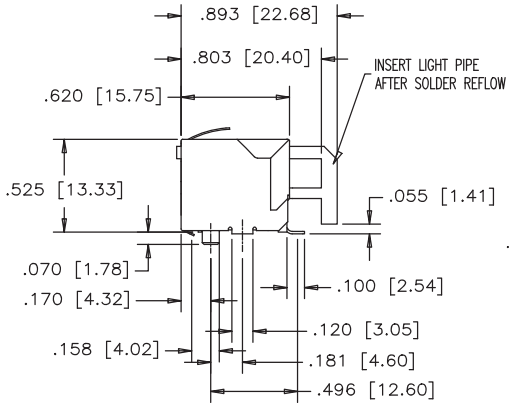
RECOMMENDED PCB LAYOUT

RJSSE-5381

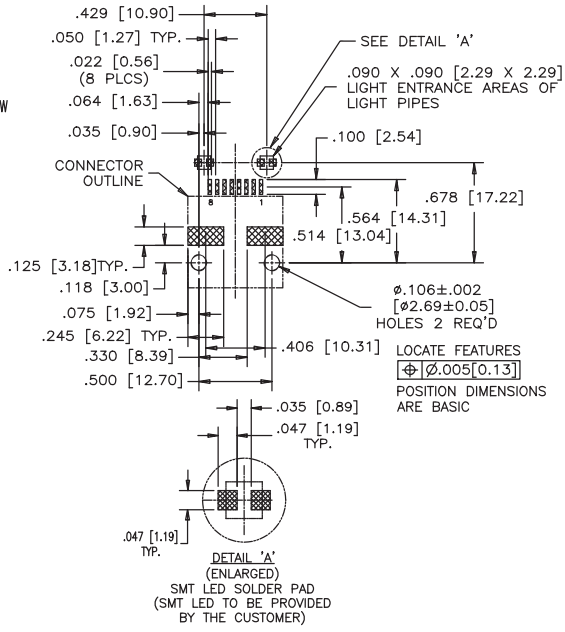
Shielded



FRONT VIEW



SIDE VIEW

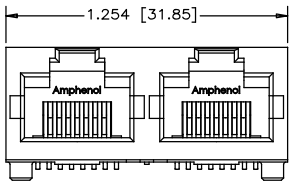


RECOMMENDED PCB LAYOUT

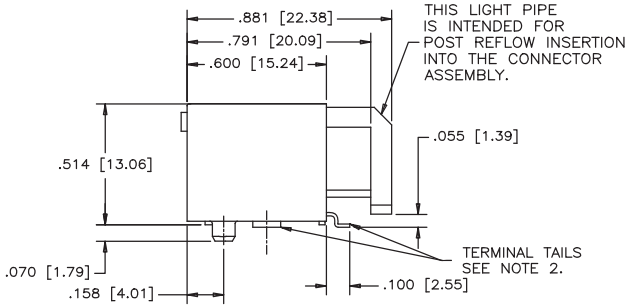
Multi Port

RJSSE-5081-02

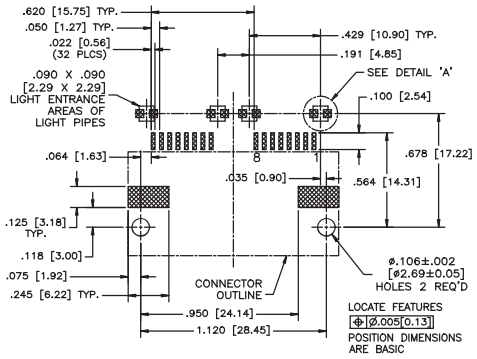
Non-Shielded



FRONT VIEW



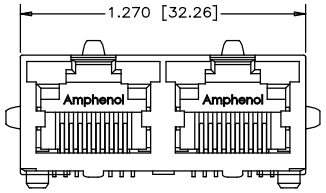
SIDE VIEW



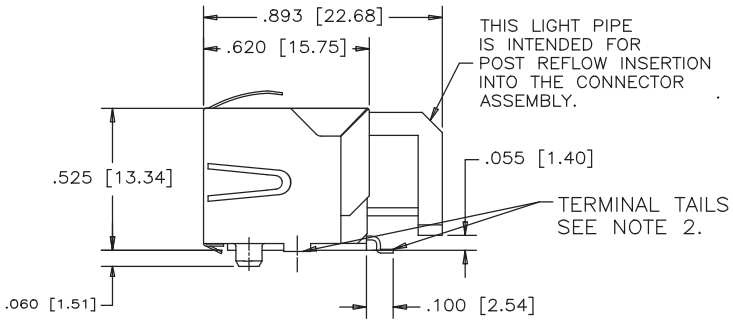
RECOMMENDED PCB LAYOUT

RJSSE-5381-02

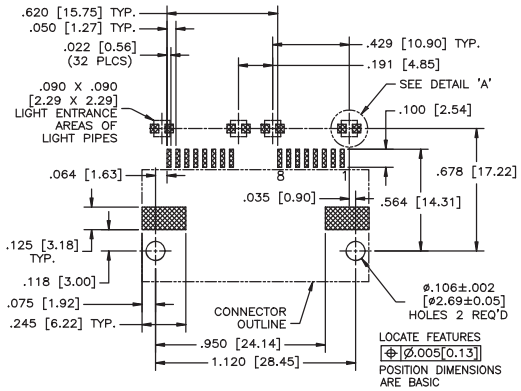
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

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1, 2, and 4 Port with LEDs

The RJSBE series of Modular Jacks supports Ethernet Protocols. Shielding available with or without a ferrite filter for increased EMI performance and LEDs for link activity and network speed verification.



Specifications

Material

Insulator:	High temperature engineering thermoplastic; complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail.
Shield:	Copper alloy; nickel plated with tin dipped tail
LED:	Tin plating on LED tail. Epoxy lens.

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 seconds maximum *Connectors without LEDs are suitable for IR reflow*
Operating Temperature:	-55°C to +85°C

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000V DC, 60Hz. 1 minute
LED Forward DC Current:	20 mA typical
LED Forward Voltage:	1.9 Volts max. @ 2mA (for single colours) 2.6 Volts max. @ 20mA (for Bi-colours)
LED Reverse Voltage:	5 Volts minimum
LED Light Intensity:	0.4 to 1.5 mcd @ 2mA (for single colours) 0.4 mcd min. @ 2mA (for Bi-colours)
LED Wave Length:	Yellow: 587± 7 nm measured @ 20mA Green: 565± 6 nm measured @ 20mA Red: 625± 5 nm measured @ 20mA
UL File #	E135615
CSA File #	LR68598

Ordering Information

RJSBE - X X X X - C X

Version
- 5 - 8 position, 50 µ" gold plating
- 7 - 6 position, 50 µ" gold plating
- D - 8 position, 6 µ" gold plating
- G - 8 position,15 µ" gold plating
- J - 8 position, 30 µ" gold plating

Shield Options
- 0 - No shield
- 2 - Shield with top and side tabs, filtered
- 3 - Shield with top and side tabs, no filter
- F - Shield, with no tabs, no filter

Number of Ports
- 1 - 1 port
- 2 - 2 ports
- 4 - 4 ports

LED Designation
Please refer to page 2 for options

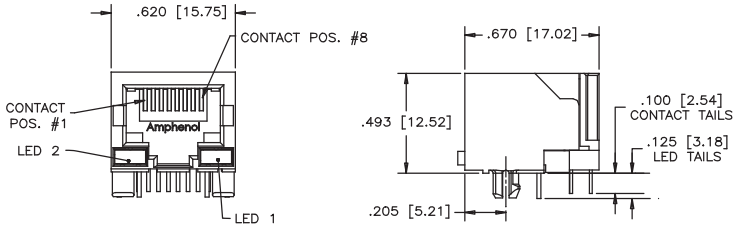
Number of Contacts
- 4 - 4 contacts
- 6 - 6 contacts
- 8 - 8 contacts

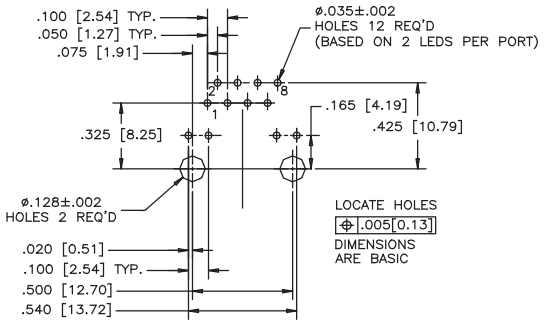
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Single Port

RJSBE-508X-C1

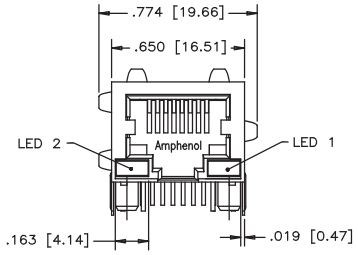
Non-Shielded

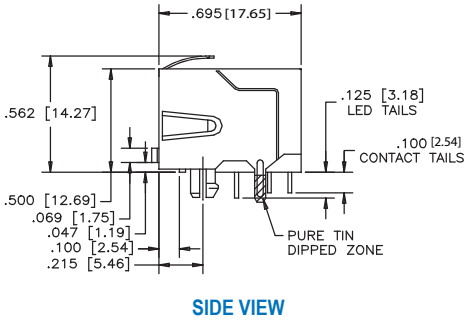


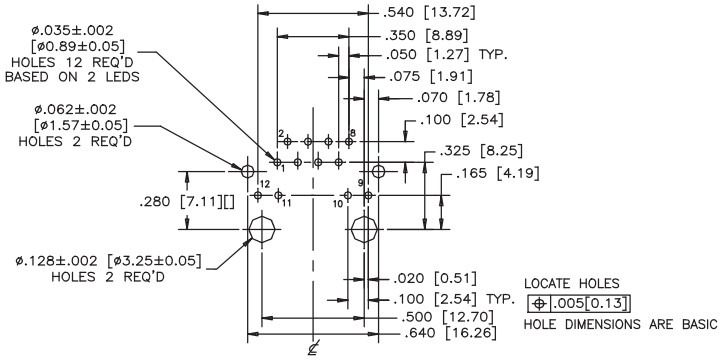


Shielded

RJSBE-538X-C1







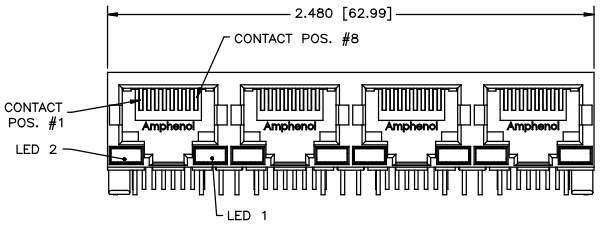
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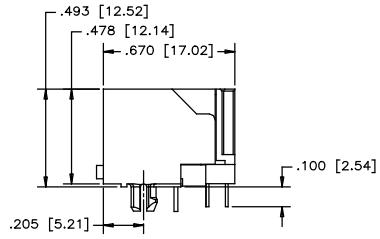
Multi Port

RJSBE-508X-C4

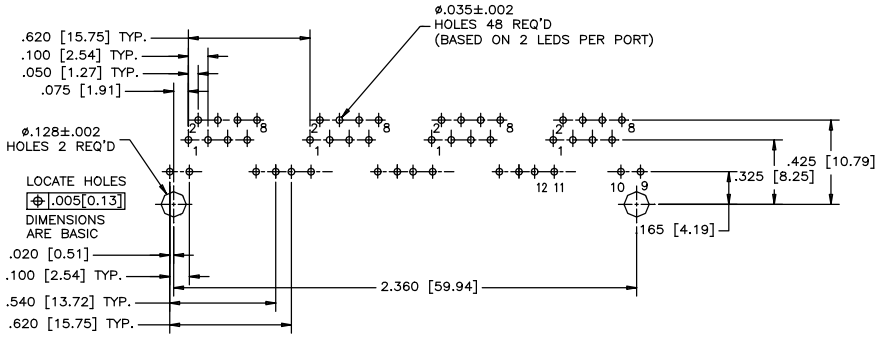
Non-Shielded



FRONT VIEW



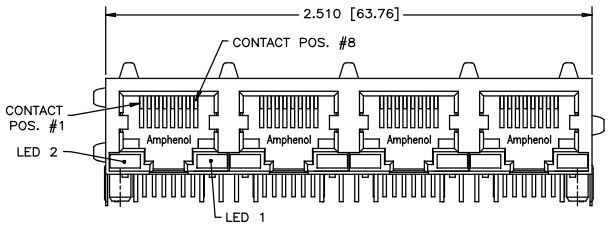
SIDE VIEW



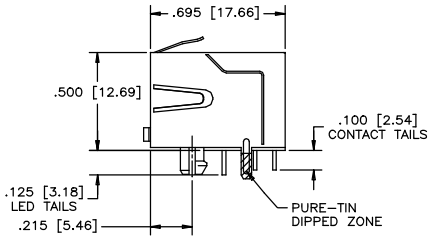
RECOMMENDED PCB LAYOUT

Shielded

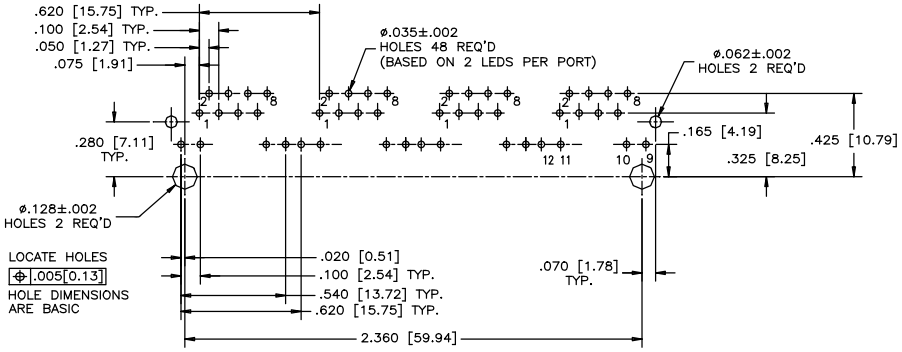
RJSBE-538X-C4



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

FRJAE SERIES

FILTERED AND SHIELDED

Filtered and Shielded

The FRJAE series of shielded and filtered Modular Jacks offer low cost and effective EMC control within standard RJ-11 and RJ-45 connector footprints. EMC control is offered by a completely shielded connector and/or with the use of a high resistivity, high impedance ferrite block. No board layout changes are required for its use. Simply replace the standard non-filtered connector for superior EMC performance.



Specifications

Material

Insulator:	High temperature engineering thermoplastic; complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail.
Shield:	Copper alloy; nickel plated with tin dipped tail
Filter:	High impedance, high resistivity ferrite block

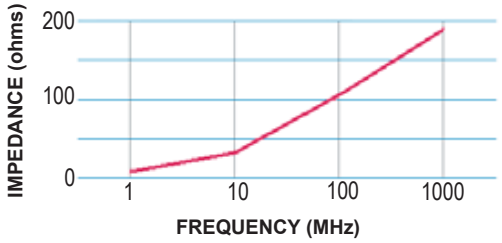
Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	IR Reflow peaked at 260°C for 5 to 8 seconds *IR reflow not recommended for connectors with LEDs*
Operating Temperature:	-55°C to + 85°C
UL File # :	E135615
CSA File # :	LR68598

Impedance Characteristics



Ordering Information

FRJAE - X X X - XX

Version
- 4 - 8 position
- 6 - 6 position

Options
- 0 - Non-filtered, non shielded
- 1 - Filtered with front tab shield
- 3 - Shield with front tab
- 4 - Filtered
- 6 - Filtered with rear tab shield
- 7 - Filtered with non-tab shield
- 8 - Shield with rear tab

Number of Ports
- Blank - 1 port
- 02 - 2 ports
- 03 - 3 ports
- 04 - 4 ports
- 06 - 6 ports
- 08 - 8 ports

Number of Contacts
- 2 - 2 contacts
- 4 - 4 contacts
- 6 - 6 contacts
- 8 - 8 contacts

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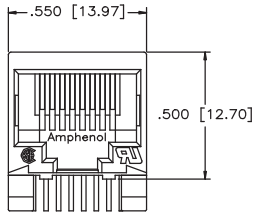
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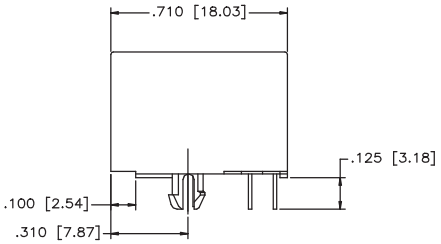
Single Port

FRJAE-408

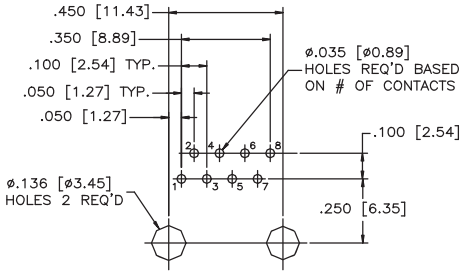
Non-Shielded



FRONT VIEW



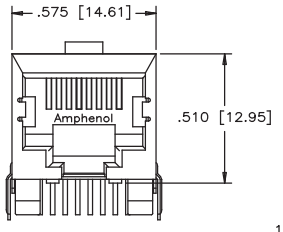
SIDE VIEW



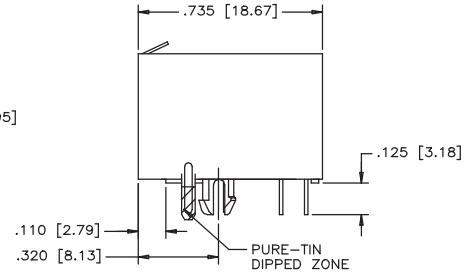
RECOMMENDED PCB LAYOUT

Shielded

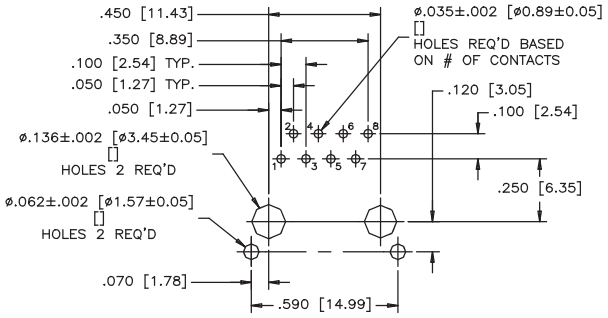
FRJAE-438



FRONT VIEW



SIDE VIEW

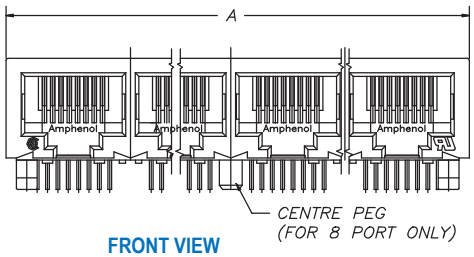


RECOMMENDED PCB LAYOUT

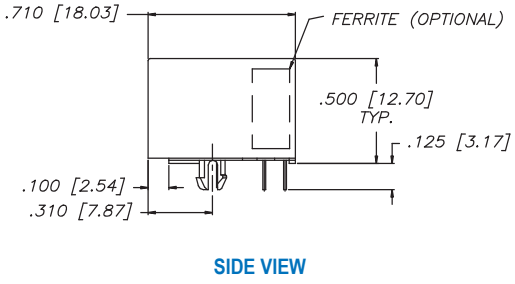
Multi Port

FRJAE-4X8-0X

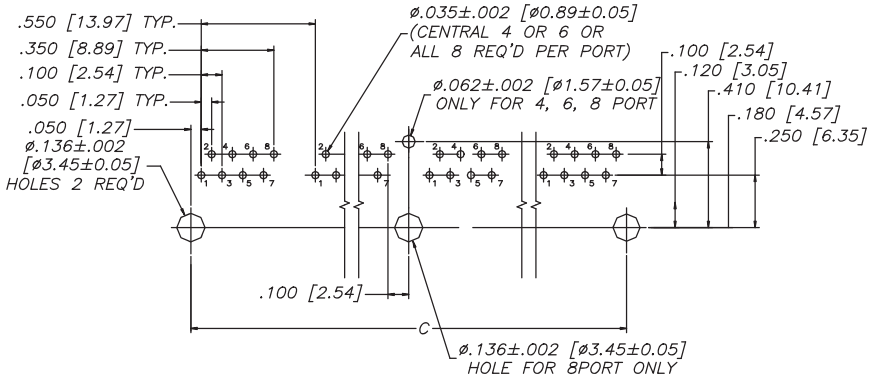
Non-Shielded



FRONT VIEW



SIDE VIEW



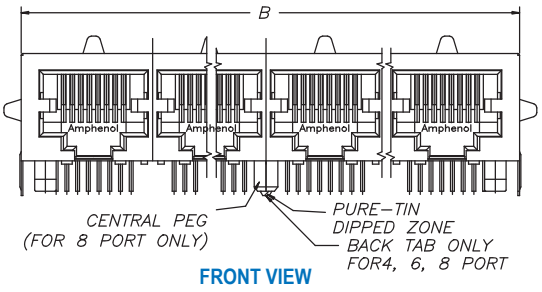
RECOMMENDED PCB LAYOUT

Number of ports	A	C
2	1.200 [30.48]	1.000 [25.40]
4	2.300 [58.42]	2.100 [53.34]
6	3.400 [86.36]	3.200 [81.28]
8	4.500 [114.30]	4.300 [109.22]

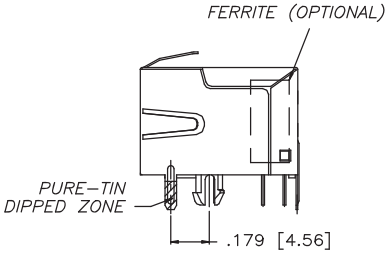
Multi Port

FRJAE-418-0X

Shielded

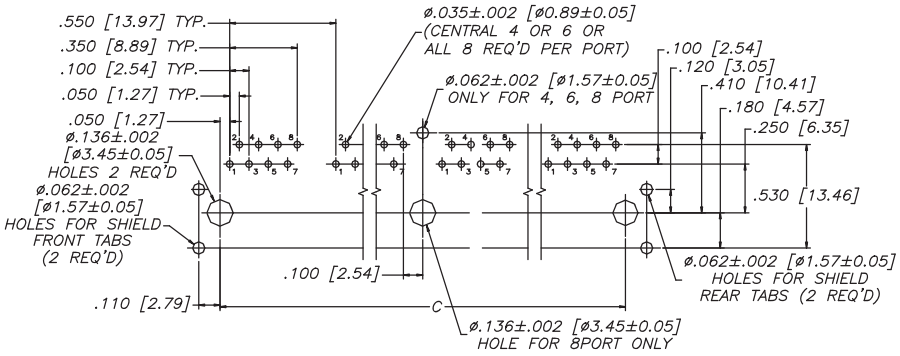


FRONT VIEW



SIDE VIEW

Number of ports	B	C
2	1.230 [31.24]	1.000 [25.40]
4	2.330 [59.18]	2.100 [53.34]
6	3.430 [87.12]	3.200 [81.28]
8	4.530 [115.06]	4.300 [109.22]



RECOMMENDED PCB LAYOUT

Notes

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RJ45 Surface Mount with LEDs

The RJCSE is a right angle surface mount connector with built-in LEDs, available with or without shielding. Shielding available for increased EMI performance and built-in LEDs for link activity and network verification. This product is ideal for LAN applications such as adapter cards and routers.



Specifications

Material

Insulator:	High temperature engineering thermoplastic; complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (15µ", 50µ") over 50µ" minimum nickel on contact mating area. Gold flash over nickel on soldering tail.
Shield:	Copper alloy with nickel plating
LED:	Tin plating on LED tail. Epoxy lens.

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles (for 50µ" gold plating option)
Operating Temperature:	-55° C to + 85° C

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours)
LED Reverse Voltage:	5 Volts minimum
LED Light Intensity:	0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours)
LED Wave Length:	Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA

Ordering Information

RJCSE - X X X X - 01

Version
3 - 8 position, 15 µ" gold plating
4 - 8 position, 30 µ" gold plating
5 - 8 position, 50 µ" gold plating

Shielding Options
0 - No shield
3 - Standard shield

Number of Ports
01 - 1 port

LED Options
Refer to page 2 for options

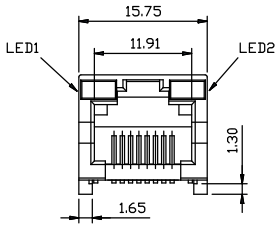
Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

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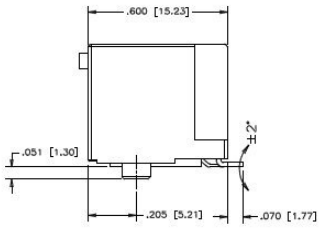
Single Port

RJCSE-508X-01

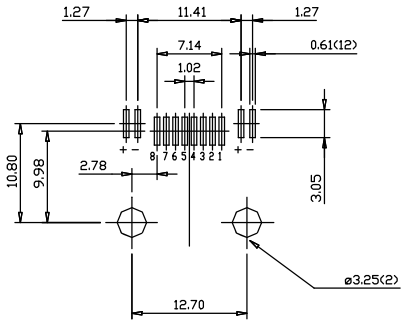
Non-Shielded



FRONT VIEW



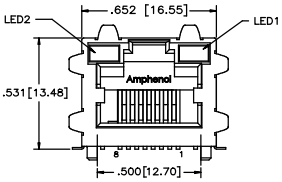
SIDE VIEW



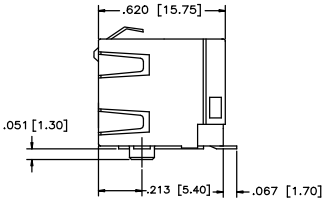
RECOMMENDED PCB LAYOUT

RJCSE-538X-01

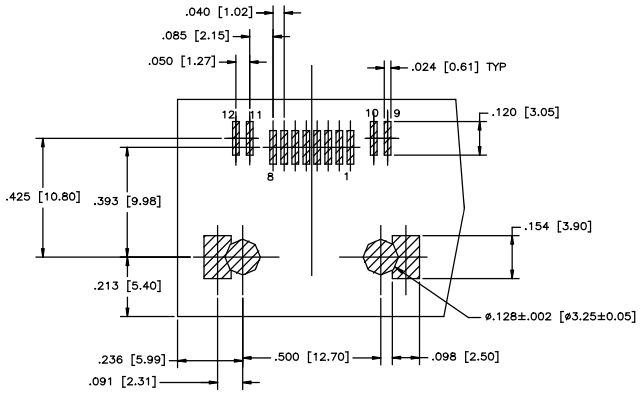
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

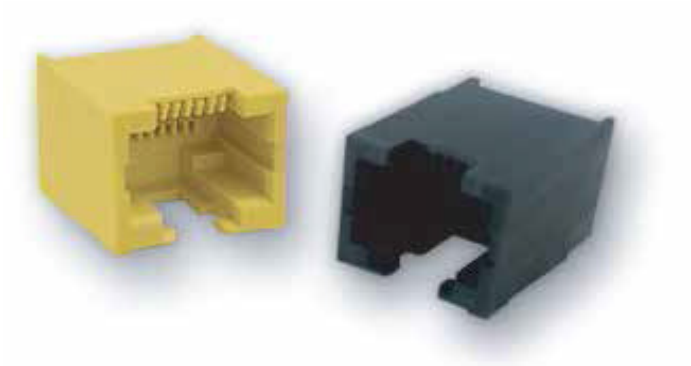
Notes

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Surface Mount Ultra Low Profile

The RJLSE series are surface mount Modular Jacks with superior EMI performance that support Ethernet Protocols.This low profile connector is built to meet your high volume RJ requirements. This series is a true pick and place compatible SMT connector and is available with different shielding, number of contacts, gold plating thickness, and colour options. Built with high temperature engineering thermoplastic and suitable for IR Reflow solder process.



Specifications

Material

Insulator:	High temperature engineering thermoplastic; flammability rating UL 94V-0. Available in black yellow, and red.
Contacts:	Phosphor bronze
Plating:	Gold plating on mating surfaces over 50µ" (1.27 microns) minimum nickel underplate. 100µ" (2.54 microns) minimum matte tin on contact tails.
Shield:	Copper alloy; nickel or matte tin plated
Coplanarity:	The maximum gap between all terminal tails is .004" (0.10 mm)

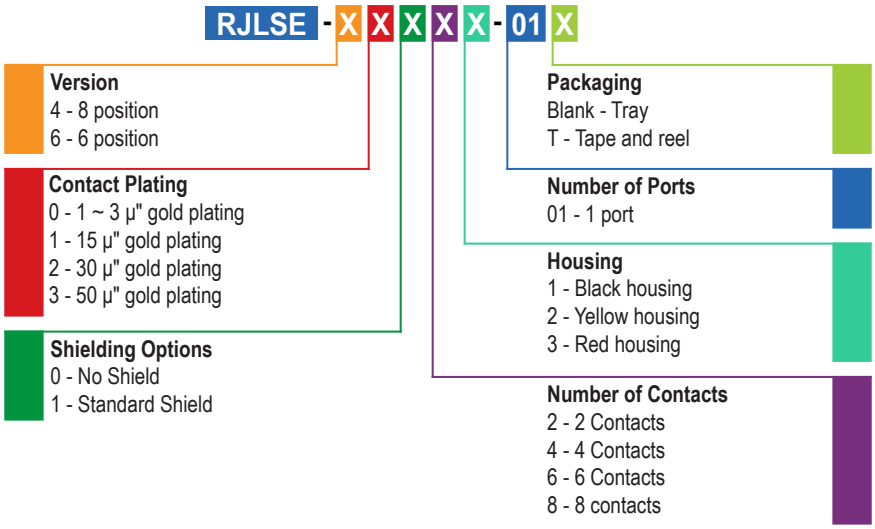
Mechanical

Mating Connector	
Insertion Force:	5 lbs. maximum
Mating Connector Pull	
Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	IR Reflow peaked at 260°C for 5 to 8 seconds
Operating Temperature:	-55°C to +85°C

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 mins max.
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60Hz. 1 minute
UL File #	E135615
CSA File #	LR68598

Ordering Information

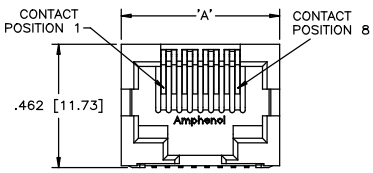


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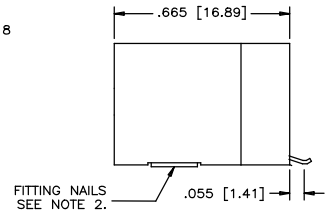
Single Port

RJLSE-XX0X1-01

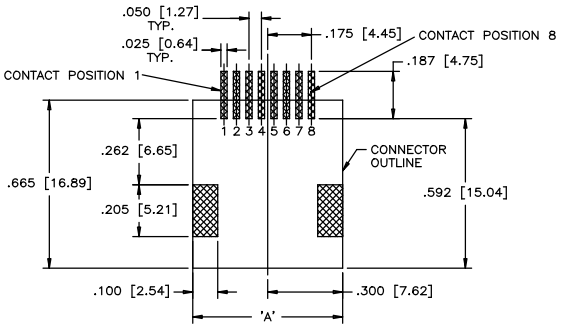
Non-Shielded



FRONT VIEW



SIDE VIEW

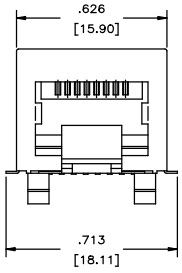


RECOMMENDED PCB LAYOUT

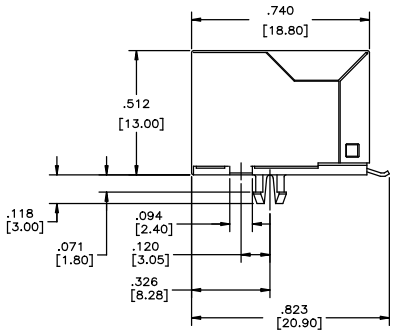
NO. OF POSITIONS	DIMENSIONS
	'A'
6	.520 [13.21]
8	.600 [15.24]

Shielded

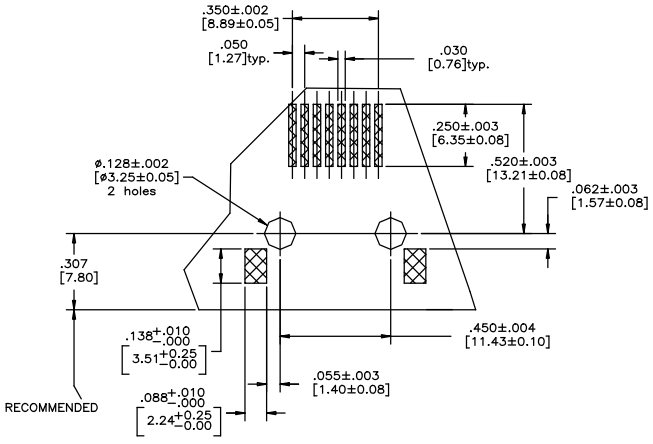
RJLSE-4X181-01



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

Amphenol® Canada Telephone: (416) 754-5656 Fax: (416) 754-8668 Email: sales@amphenolcanada.com

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RJ45 and RJ11 Standard Profile

This family of EMI Quiet Modular Jack connectors with integrated LEDs features the same data transfer capabilities as our existing series of LED-integrated Modular Jacks. This product is an economical solution ideal for LAN applications and is intended for use with low temperature soldering processes. Shielded and non-shielded versions are available with a variety of LED options to choose from. RJESE is offered in both single and multi-port configurations.



Specifications

Material

Insulator:	Engineering thermoplastic. Complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail
Shield:	Stainless steel with tin dipped tails
LED:	Tin plating on LED tails

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 mins max.
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60Hz. 1 minute
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts max. @ 2mA (for single colours) 2.6 Volts max. @ 20mA (for bi-colours)
LED Reverse Voltage:	5 Volts minimum
LED Light Intensity:	0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for bi-colours)
LED Wave Length:	Yellow: 587± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 seconds maximum
Operating Temperature:	-55°C to + 85°C

Ordering Information

RJESE - X X X X - X X 0 X

Version
3 - Vertical mount, 8 positions, flanged housing
7 - Right angled, 6 position
8 - Right angled, 8 position

Shielding Options
0 - No shield
3 - Standard shield, 1 to 8 port (single port without side tabs)
4 - One port shield top tabs with side tabs

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

LED Designation
Please refer to page 2 for options

Special Identifier
Blank- Standard black housing
02- Housing colour: Yellow #114C
03- Housing colour: Red

Number of Ports
1 - 1 port
2 - 2 ports
4 - 4 ports

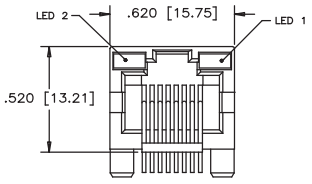
Contact Plating
0 - 6 µ" gold plating
1 - 15 µ" gold plating
2 - 30 µ" gold plating
3 - 50 µ" gold plating
F - 1~3µ" gold plating

Didn't find what you were looking for?
Please contact sales@amphenolcanada.com and let us know what you need.

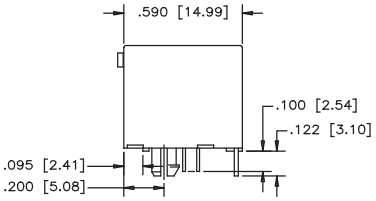
Single Port

RJESE-808X-X1

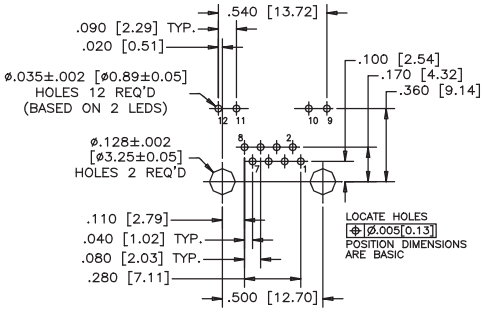
Non-Shielded



FRONT VIEW



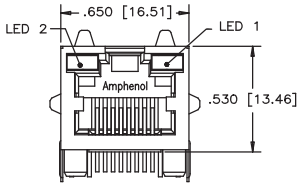
SIDE VIEW



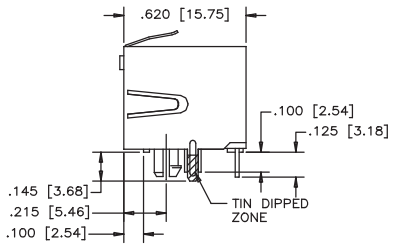
RECOMMENDED PCB LAYOUT

Shielded

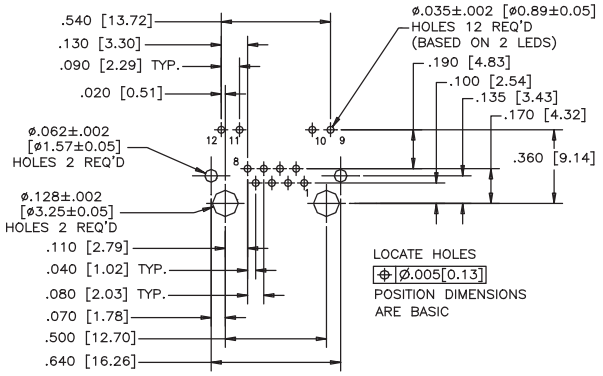
RJESE-848X-X1



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

Notes

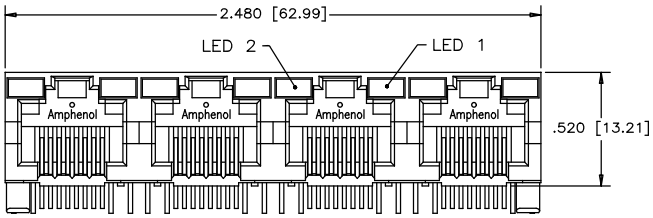
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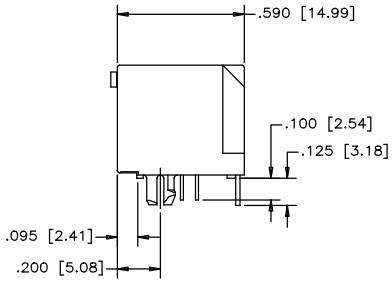
Multi Port

RJESE-808X-X4

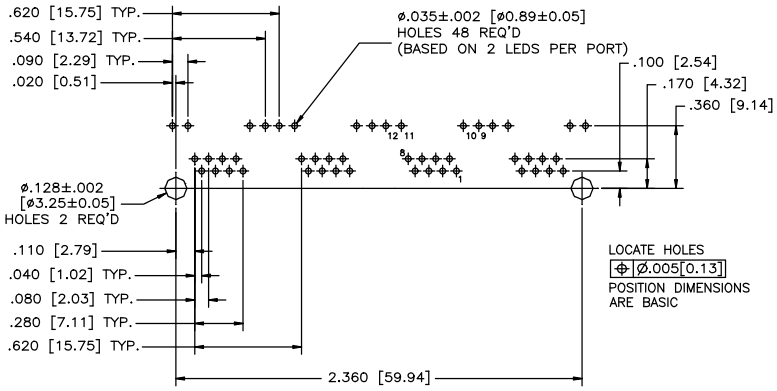
Non-Shielded



FRONT VIEW



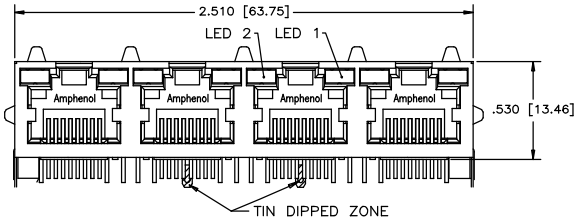
SIDE VIEW



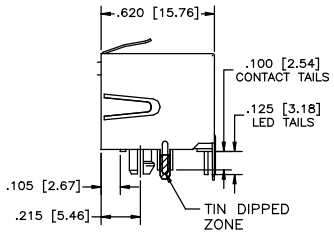
RECOMMENDED PCB LAYOUT

Shielded

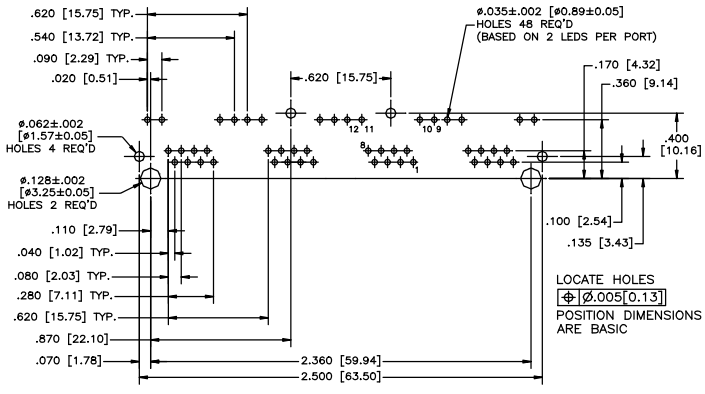
RJESE-838X-X4



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

RJE01 SERIES

RJ11 (SIX POSITION)

RJ11 (Six Position)

The RJE01 series of 6-position jacks are designed for superior EMI performance.The inverted connector provides shorter leads, eliminating the EMI antenna effect of the standard connector footprint Typical performance improvement over their standard connector counterparts is 5-10 dB over the frequency range.



Specifications

Material

Insulator:	High temperature thermoplastic. Complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over minimum nickel on contact mating area.100µ" minimum matte tin plating on soldering tail.
Shield:	Stainless steel with tin dipped tails

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 mins max.
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60Hz. 1 minute
UL File # :	E135615
CSA File # :	LR68598

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Reccomended Soldering Temperature:	IR Reflow peaked at 260°C for 5 to 8 seconds
Operating Temperature:	-55°C to +85°C

Ordering Information

RJE01 - X X X - XX

Contact Plating
- 1 - 6 µ" gold plating
- 6 - 50 µ" gold plating
- G - 15 µ" gold plating
- J - 30 µ" gold plating

Number of Contacts
- 2 - 2 contacts
- 4 - 4 contacts
- 6 - 6 contacts

Shielding Options
- 0 - No shield
- 1 - Front/rear tab captions for single port
- 2 - Shielded with tabs and PCB tails
- 4 - Shielded without tabs, and without PCB tails
- 5 - Shielded without tabs, but with shield PCB tails

Number of Ports
- 01 - 1 port
- 02 - 2 ports

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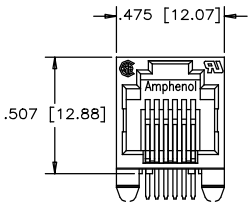
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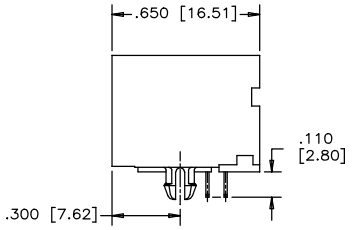
Single Port

RJE01-X60-01

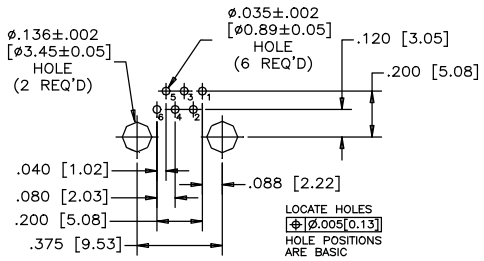
Non-Shielded



FRONT VIEW



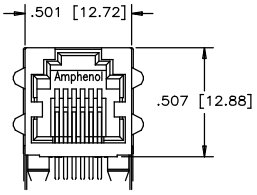
SIDE VIEW



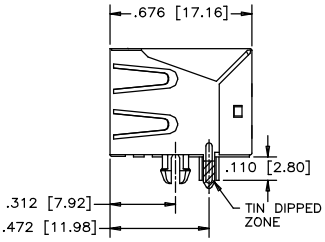
RECOMMENDED PCB LAYOUT

Shielded

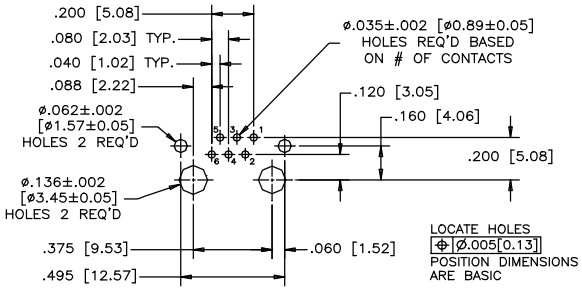
RJE01-X62-01



FRONT VIEW



SIDE VIEW

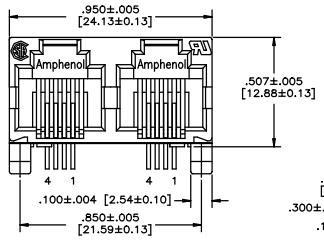


RECOMMENDED PCB LAYOUT

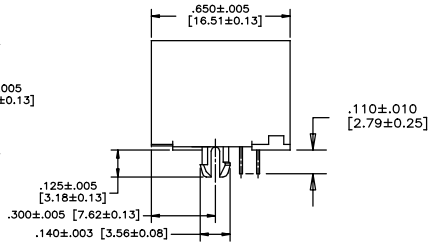
Multi Port

RJE01-X60-02

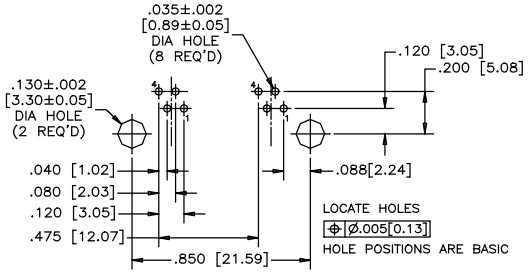
Non-Shielded



FRONT VIEW



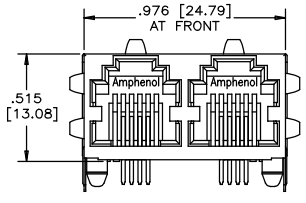
SIDE VIEW



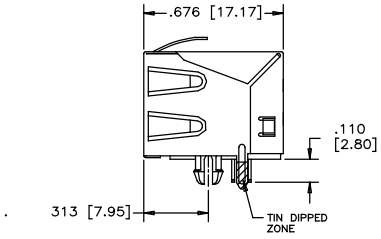
RECOMMENDED PCB LAYOUT

Shielded

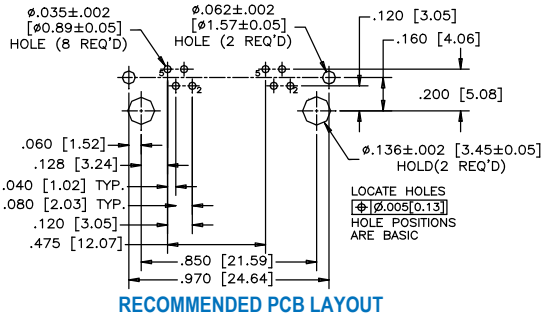
RJE01-X62-02



FRONT VIEW



SIDE VIEW



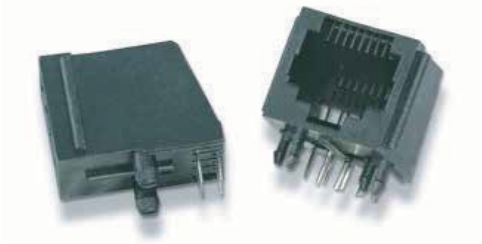
RECOMMENDED PCB LAYOUT

RJE02 SERIES

SINGLE PORT HIGH PROFILE

Single Port High Profile

RJE02 series is a group of products within a family of standard Modular Jacks designed to meet requirements for a variety of applications. Options within the RJE02 family include flanged or without flange, and RJ11 & RJ45 configurations.



Specifications

Material

Insulator: Engineering thermoplastic. Complies with UL 94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail.

Electrical

Contact Resistance: 20 mΩ maximum
Insulation Resistance: 500 MΩ minimum at 500V DC for 2 mins. max.
Current Rating: 1.5 Amps
Voltage Rating: 125 Volts AC
DWV: 1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum
Mating Connector Pull Retention Force: 20 lbs. minimum
Durability: 750 mating & unmating cycles
Recommended Soldering Temperature: Wave soldering peaked at 260° C for 5 seconds max.
Connectors made with high temperature material are suitable for IR reflow
Operating Temperature: -40°C to + 85°C

Ordering Information

RJE02 - 1 X X - 0 X X 0

Number of Ports
1 - 1 port

Number of Positions
6 - 6 position
8 - 8 position

Number of Contacts
2 - 2 contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

Modifier
0 - Standard product

Flange Options
1 - Without flange
2 - With flange

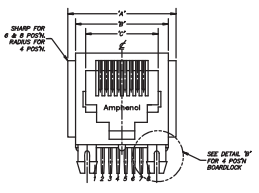
Contact Plating
1 - 6µ" gold plating
2 - 15µ" gold plating
3 - 30µ" gold plating
4 - 50µ" gold plating

Shield Options
0 - No shield

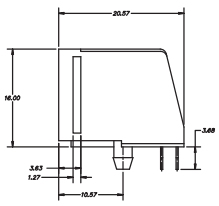
Single Port

RJE02-1XX-0X20

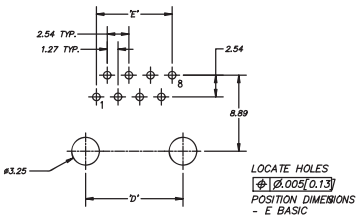
Non-Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

PART NUMBER	NO. OF POSITIONS	NO. OF CONTACTS	DIMENSIONS 'A'	'B'	'C'	'D'	'E'
RJE02-142-0X20	4	2	0.540 [13.72]	0.440 [11.18]	0.309 [7.85]	0.300 [7.62]	0.050 [1.27]
RJE02-144-0X20	4	4	0.540 [13.72]	0.440 [11.18]	0.309 [7.85]	0.300 [7.62]	0.150 [3.81]
RJE02-162-0X20	6	2	0.620 [15.75]	0.520 [13.21]	0.389 [9.88]	0.400 [10.16]	0.050 [1.27]
RJE02-164-0X20	6	4	0.620 [15.75]	0.520 [13.21]	0.389 [9.88]	0.400 [10.16]	0.150 [3.81]
RJE02-166-0X20	6	6	0.620 [15.75]	0.520 [13.21]	0.389 [9.88]	0.400 [10.16]	0.250 [6.35]
RJE02-188-0X20	8	8	0.700 [17.78]	0.600 [15.24]	0.469 [11.91]	0.450 [11.43]	0.350 [8.89]

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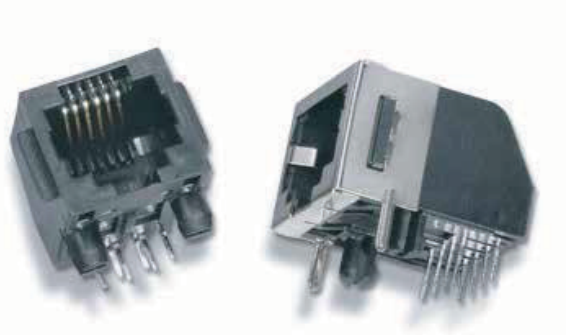
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Single Port Low Profile

RJE03 series is a group of products within a family of standard Modular Jacks designed to meet requirements for a variety of applications.

Options within the RJE03 family include shielded & non shielded, and RJ11 & RJ45 configurations.



Specifications

Materials

Insulator: Engineering thermoplastic. Complies with UL94V-0.Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail.

Shield: Copper alloy; nickel plated with tin dipped tail

Electrical

Contact Resistance: 20 mΩ maximum

Contact Resistance: 500 MΩ minimum at 500V DC for 2 mins. max.

Current Rating: 1.5 Amps

Voltage Rating: 125 Volts AC

DWV: 1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum

Mating Connector Pull Retention Force: 20 lbs. minimum

Durability: 750 mating & unmating cycles

Recommended Soldering Temperature: Wave soldering peaked at 260°C for 5 seconds maximum

Connectors made with high temperature material are suitable for IR reflow

Operating Temperature: -40°C to + 85°C

Ordering Information

RJE03 - 1 X X - X X X 0

Number of Ports
1 - 1 port

Number of Positions
6 - 6 positions
8 - 8 positions

Number of Contacts
2 - 2 contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

Modifier
0 - Standard product

Flange Options
1 - Without flange
2 - With flange

Contact Plating
1 - 6µ" gold plating
2 - 15µ" gold plating
3 - 30µ" gold plating
4 - 50µ" gold plating

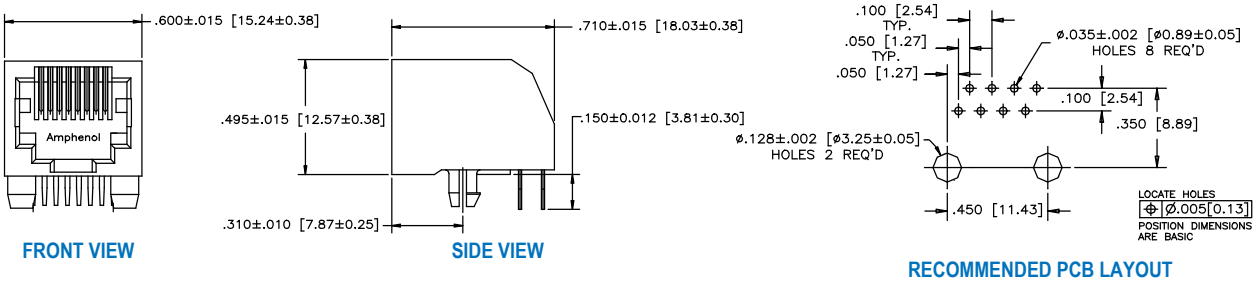
Shielding Options
0 - No shield
2 - Partial shield (must have flange)

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Please contact sales@amphenolcanada.com and let us know what you need.

Single Port

RJE03-188-0X10

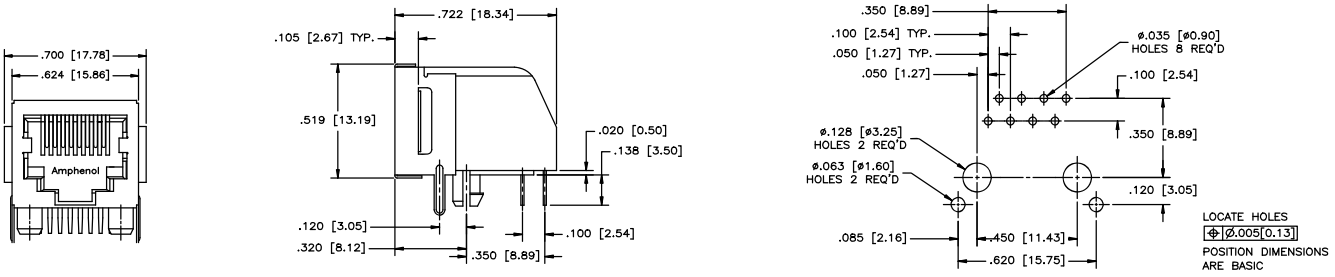
Non-Shielded



FRONT VIEW | SIDE VIEW | RECOMMENDED PCB LAYOUT

RJE03-188-2X20

Shielded with Flange



FRONT VIEW | SIDE VIEW | RECOMMENDED PCB LAYOUT

Notes

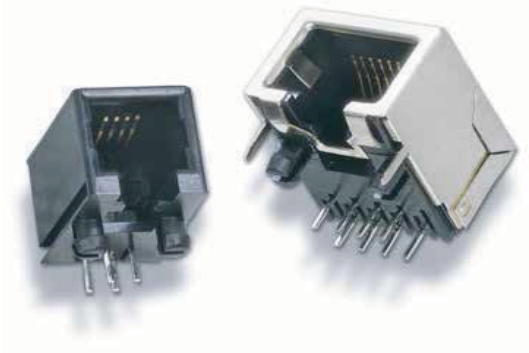
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Ultra Low Profile

RJE05 series is a group of products within a family of standard Modular Jacks designed to meet requirements for a variety of applications.

Options within the RJE05 family include shielded or non shielded and RJ11 or RJ45 configurations.



Specifications

Material

Insulator:	Engineering thermoplastic. Complies with UL94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail.
Shield:	Copper alloy; nickel plated with tin dipped tail.

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2mins. max.
Current Rating	1.5 Amps
Voltage Rating	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 seconds maximum *Connectors made with high temperature material are suitable for IR reflow*
Operating Temperature:	-40°C to + 85°C
UL File # :	E136228

Ordering Information

RJE05 - 1 X X - X X 1 0

Number of Ports
1 - 1 port

Number of Positions
4 - 4 position
6 - 6 position
8 - 8 position

Number of Contacts
2 - 2 contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

Shielding Options
0 - No Shield
1 - Shield

Contact Plating
1 - 6µ" gold plating
2 - 15µ" gold plating
3 - 30µ" gold plating
4 - 50µ" gold plating

Flange Options
1 - No flange

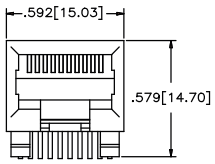
Modifier
0 - Standard product

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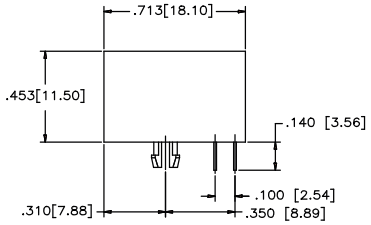
Single Port

RJE05-188-0X10

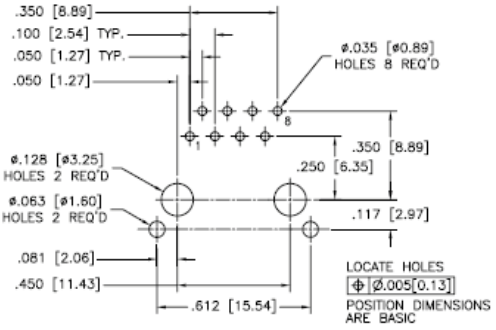
Non-Shielded



FRONT VIEW



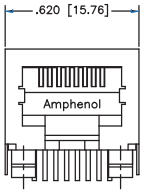
SIDE VIEW



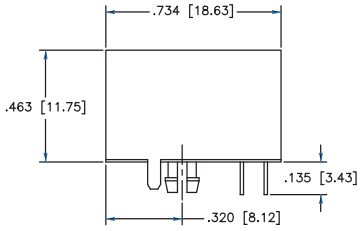
RECOMMENDED PCB LAYOUT

RJE05-188-1X10

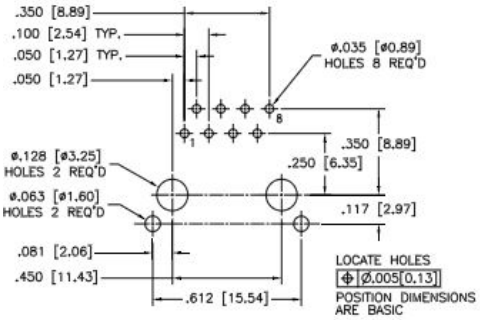
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

Notes

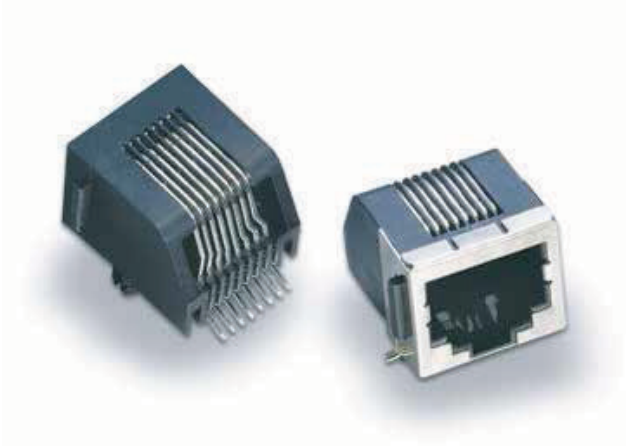
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All specifications are subject to change without notice. Catalogue is updated regularly. Please refer to the website for the most recent edition.

Single Port Surface Mount

RJE07 series is a group of products within a family of standard Modular Jacks designed to meet requirements for a variety of applications.

Options within the RJE07 family include shielded & non shielded, and RJ11 and RJ45 configurations.



Specifications

Materials

Insulator:	High temperature thermoplastic. Complies with UL94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ", minimum nickel on contact mating area. 100µ", minimum matte tin plating on soldering tail.
Shield:	Copper alloy; nickel plated with tin dipped tail

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 mins. max.
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute.

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Reflow soldering at 260° C for 6 to 8 seconds maximum
Operating Temperature:	-40°C to + 85°C
UL File # :	E136228

Ordering Information

RJE07 - 1 X X - X X X 0

Number of Ports
1 - 1 port

Number of Positions
8 - 8 position
6 - 6 position

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

Shielding Options
0 - No shield
2 - Through hole shield
3 - Surface mount shield

Modifier
0 - Standard product

Flange Options
1 - Without flange
2 - Flanged (must be flanged for shield option)

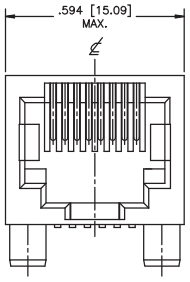
Contact Plating
1 - 6 µ" gold plating
2 - 15 µ" gold plating
3 - 30 µ" gold plating
4 - 50 µ" gold plating

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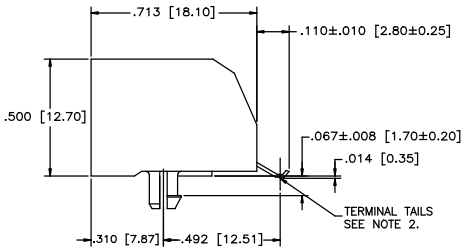
Single Port

RJE07-188-0X10

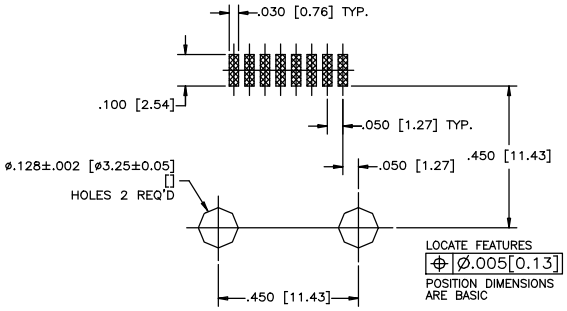
Non-Shielded



FRONT VIEW



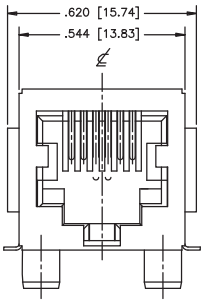
SIDE VIEW



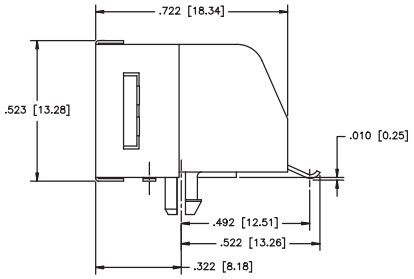
RECOMMENDED PCB LAYOUT

RJE07-188-3X20

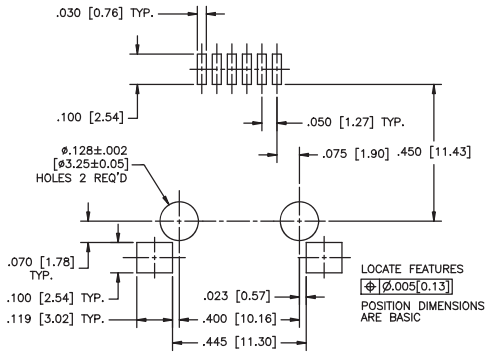
Surface Mount Shield



FRONT VIEW



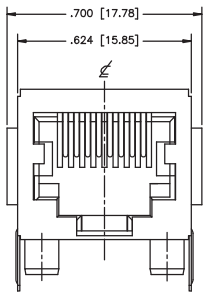
SIDE VIEW



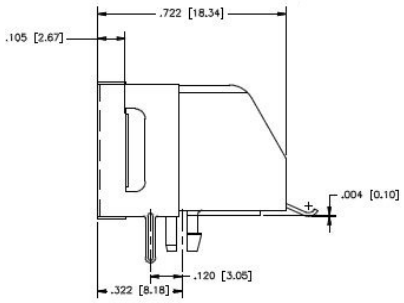
RECOMMENDED PCB LAYOUT

RJE07-188-2X20

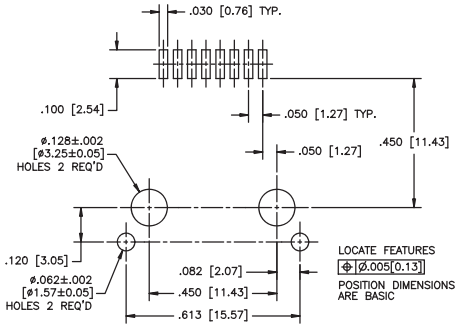
Through-Hole Shield



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

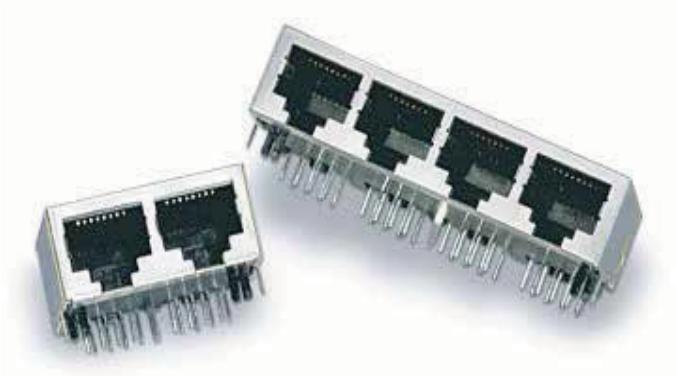
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Standard Profile

RJE09 series is a group of products within a family of standard Modular Jacks designed to meet requirements for a variety of applications.

Options within the RJE09 family include shielded & non shielded, and RJ11 & RJ45 configurations.



Specifications

Materials

Insulator: Engineering thermoplastic. Complies with UL94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin or gold flash plating on tail area.

Shield: Copper alloy; nickel plating over all

Electrical

Contact Resistance: 25 mΩ maximum
Insulation Resistance: 500 MΩ minimum at 500V DC for 2 mins max.
Current Rating: 1.5 Amps
Voltage Rating: 125 Volts AC
DWV: 1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum
Mating Connector Pull Retention Force: 20 lbs. minimum
Durability: 750 mating & unmating cycles
Recommended Soldering Temperature: Wave soldering peaked at 260°C for 5 seconds maximum
Connectors made with high temperature material are suitable for IR reflow
Operating Temperature: -40°C to + 85°C
UL File # : E136228

Ordering Information

RJE09 - X X X - X X 1 0

Number of Ports
1 - 1 port
2 - 2 ports
4 - 4 ports
6 - 6 ports
8 - 8 ports

Number of Positions
6 - 6 position
8 - 8 position
A - 10 position

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts
A - 10 contacts

Shielding
0 - No shield
1 - Shield

Contact Plating
1 - 6µ" gold plating
2 - 15µ" gold plating
3 - 30µ" gold plating
4 - 50µ" gold plating

Flange Options
1 - No flange
2 - With flange

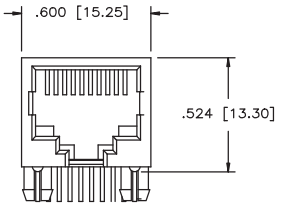
Modifier
0 - Standard product

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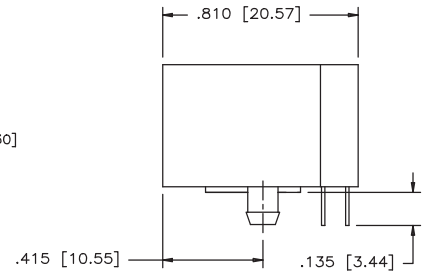
Single Port

RJE09-1AA-0X10

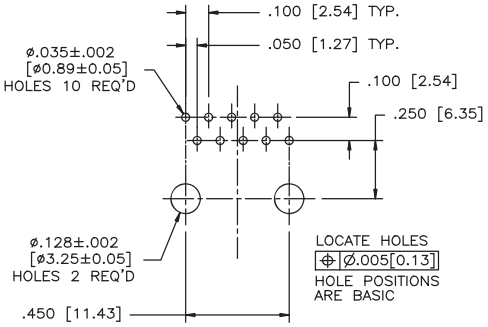
Non-Shielded



FRONT VIEW



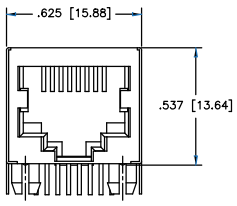
SIDE VIEW



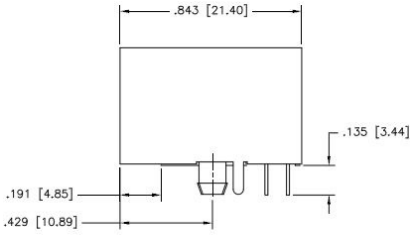
RECOMMENDED PCB LAYOUT

RJE09-188-1X10

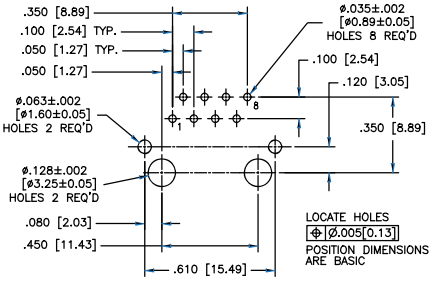
Shielded



FRONT VIEW



SIDE VIEW

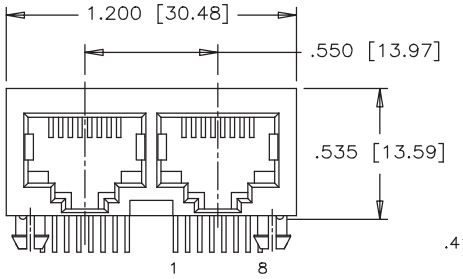


RECOMMENDED PCB LAYOUT

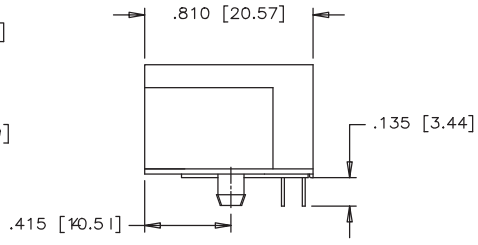
Multi Port

RJE09-288-0X10

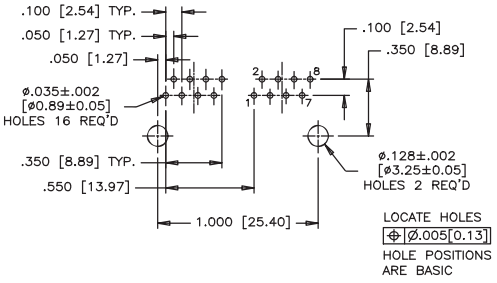
Non-Shielded



FRONT VIEW



SIDE VIEW



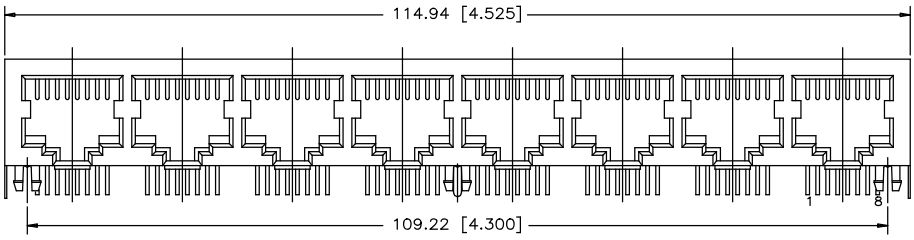
RECOMMENDED PCB LAYOUT

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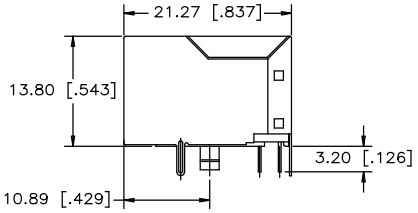
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Shielded

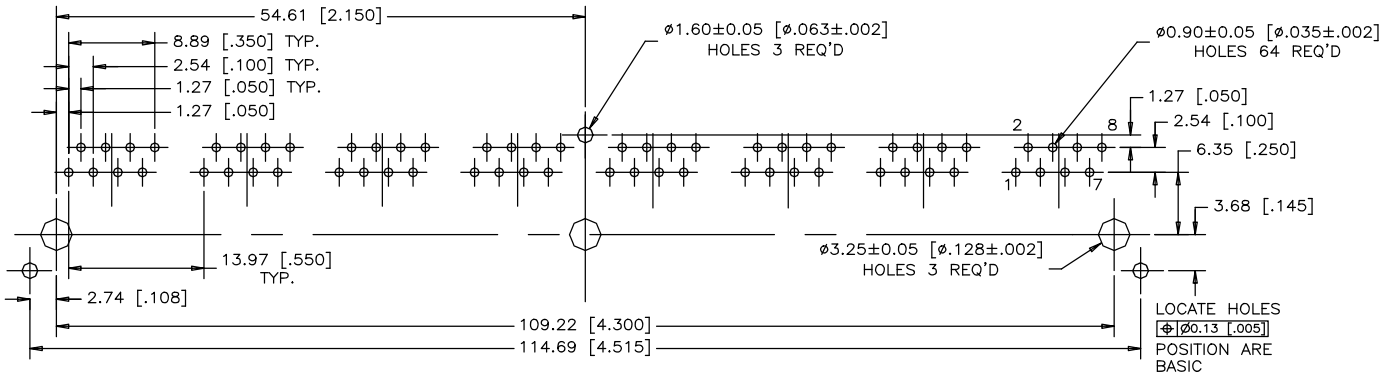
RJE09-888-1X10



FRONT VIEW



SIDE VIEW



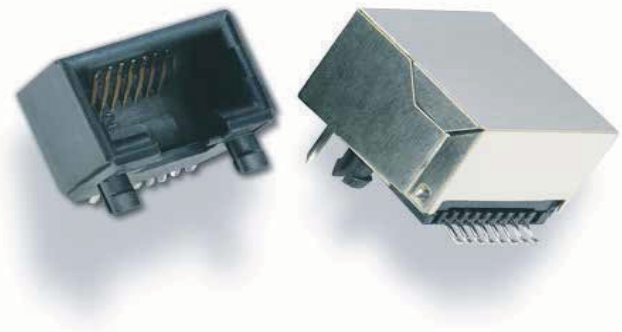
RECOMMENDED PCB LAYOUT

RJE15 SERIES

SINGLE PORT LOW PROFILE

Single Port Low Profile

The RJE15 low profile connector is built to meet your high volume RJ requirements. This is a true pick and place compatible SMT connector and is available with or without shielding, and a variety of options including number of contacts, plating thickness, and colour. Built with high temperature engineering thermoplastic and suitable for IR Reflow solder process.



Specifications

Material

Insulator: High temp. thermoplastic. Complies with UL94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin or gold flash plating on tail area.

Shield: Copper alloy; nickel plating over all.

Electrical

Contact Resistance: 25 mΩ maximum

Insulation Resistance: 1000 MΩ minimum at 500V DC for 2 mins. max.

Current Rating: 1.5 Amps

Voltage Rating: 125 Volts AC

DWV: 1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum

Mating Connector Pull Retention Force: 20 lbs. minimum

Durability: 750 mating & unmating cycles

Recommended Soldering Temperature: IR Reflow peaked at 260°C for 5 to 8 seconds maximum

Operating Temperature: -40°C to + 85°C

Ordering Information

RJE15 - 1 X X - X X 1 0

Number of Ports
1 - 1 port

Number of Positions
4 - 4 positions
6 - 6 positions
8 - 8 positions
A - 10 positions

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts
A - 10 contacts

Modifier
0 - Standard product

Flange Options
1 - No flange

Contact Plating
1 - 6µ" gold plating
2 - 15µ" gold plating
3 - 30µ" gold plating
4 - 50µ" gold plating

Shielding
0 - No shield
1 - Shielded

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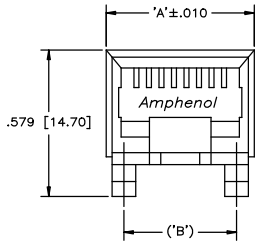
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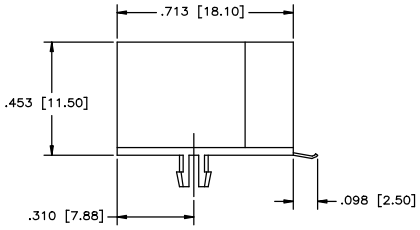
Single Port

RJE15-1XX-0X10

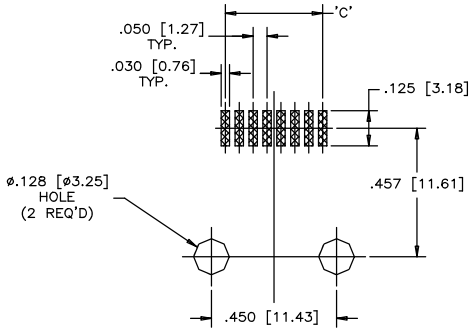
Non-Shielded



FRONT VIEW



SIDE VIEW

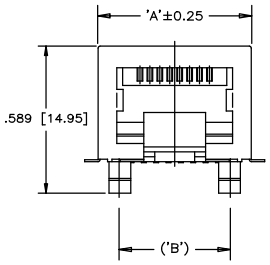


RECOMMENDED PCB LAYOUT

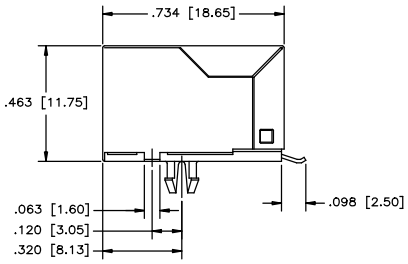
NO. OF POSITIONS	DIMENSIONS		
	'A'	'B'	'C'
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6	.510 [12.95]	.400 [10.16]	.250 [6.35]
8	.592 [15.04]	.450 [11.43]	.350 [8.89]
10	.620 [15.74]	.450 [11.43]	.450 [11.43]

RJE15-1XX-1X10

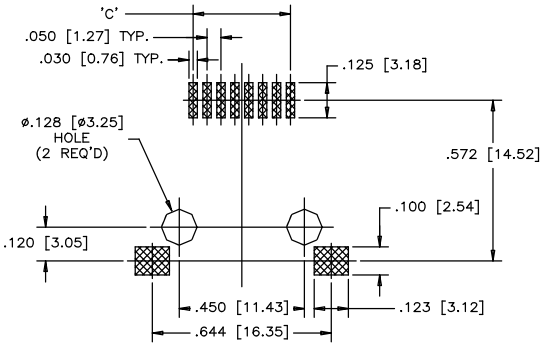
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

NO. OF POSITIONS	DIMENSIONS		
	'A'	'B'	'C'
4	.469 [11.92]	.300 [7.62]	.150 [3.81]
6	.538 [13.67]	.400 [10.16]	.250 [6.35]
8	.620 [15.74]	.450 [11.43]	.350 [8.89]
10	.620 [15.74]	.450 [11.43]	.450 [11.43]

RJULE SERIES

RECESSED, LOW PROFILE

Recessed, Low Profile

The RJULE is a series of single port RJ45 Modular Jacks designed for slim profile applications. With a profile height of less than 10mm this connector is perfect where vertical spaceis limited. Standard and rear mount shield options for superior EMI performance makes this part ideal for LAN and router applications.



Specifications

Material

Housing:	High temperature engineering thermoplastic; flammability rating UL 94V-0
Contacts:	Phosphor bronze
Plating:	Gold plated on mating surfaces over 50µ" (1.27 microns) minimum nickel underplate
Shield:	Copper alloy; nickel plated

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	IR Reflow peaked at 260°C for for 5 to 8 seconds maximum
Operating Temperature:	-55°C to +85°C
UL File # :	E135615

Ordering Information

RJULE - 4 X X X X - 01 X

Number of Positions
4 - 8 positions

Contact Plating
0 - 1 ~ 3 µ" gold plating
1 - 15 µ" gold plating
2 - 30 µ" gold plating
3 - 50 µ" gold plating

Housing Options
1 - Black
2 - Yellow
3 - Red

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

Shielding Options
0 - No Shield
1 - Standard shield
2 - Shield with side ground tabs design to touch with mounting panel
3 - Shield without ground tab

Number of Ports
01 - 1 Port

Packaging
Blank - Tray
T - Tape and reel

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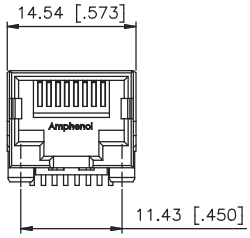
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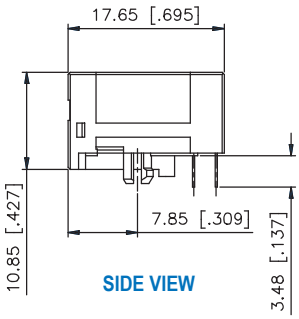
Single Port

Non-Shielded

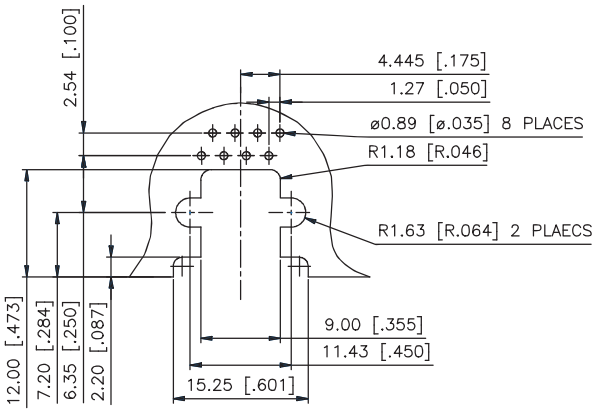
RJULE-4X180-01



FRONT VIEW



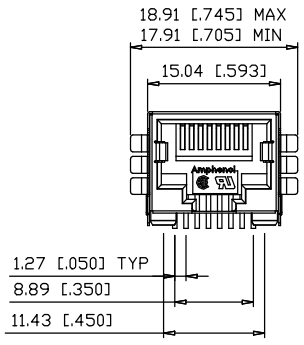
SIDE VIEW



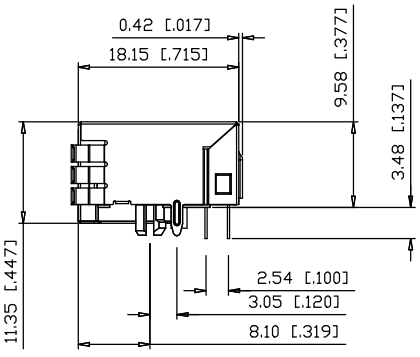
RECOMMENDED PCB LAYOUT

RJULE-4X182-01

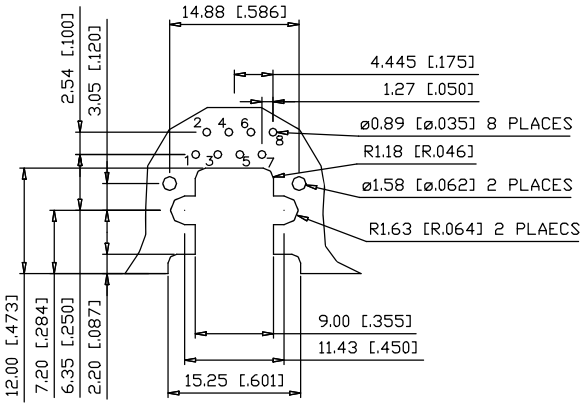
Shielded with Side Ground Tabs



FRONT VIEW



SIDE VIEW

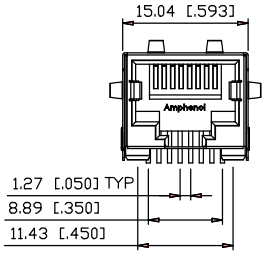


RECOMMENDED PCB LAYOUT

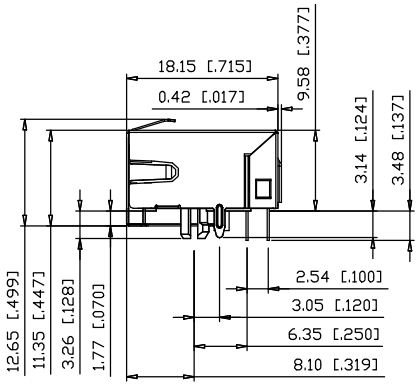
Single Port

RJULE-4X181-01

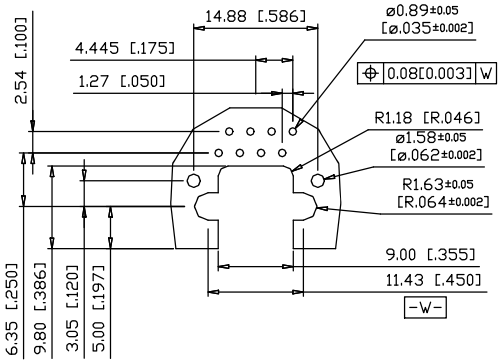
Standard Shield



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

RJE56 SERIES

RJ45 PRESS FIT

RJ45 Press Fit

The RJE56 series is designed for applications where soldering is not an option. The pressfit contacts and shield tabs have the "Eye of the Needle" design and provide good PCB retention and reliable electrical performance.



Specifications

Material

Housing: High temperature thermoplastic; complies with UL 94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum tin lead plating on press fit tail.

Shield: Stainless steel

Electrical

Contact Resistance: 20 mΩ maximum

Insulation Resistance: 500 MΩ minimum

Current Rating: 1.5 Amps

Voltage Rating: 125 Volts AC

DWV: 1000 VAC, 60 Hz. 1 min.

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum

Mating Connector Pull Retention Force: 20 lbs. minimum

Durability: 750 mating & unmating cycles

Recommended Soldering Temperature: IR Reflow peaked at 260°C for 5 to 8 seconds maximum

Operating Temperature: -40°C to +70°C

Ordering Information

RJE56 - 1 8 X - X X 1 0 - X

Number of Ports
1 - 1 port

Number of Positions
8 - 8 Positions

Number of Contacts
6 - 6 contacts
8 - 8 contacts

Shielding Options
0 - No shield
1 - Full shield

Contact Plating
1 - 6 µ" gold plating
2 - 15 µ" gold plating
3 - 30 µ" gold plating
4 - 50 µ" gold plating

Flange Options
1 - No flange

Modifier
0 - Standard product

Packaging
Blank - Tray
T - Tape and reel

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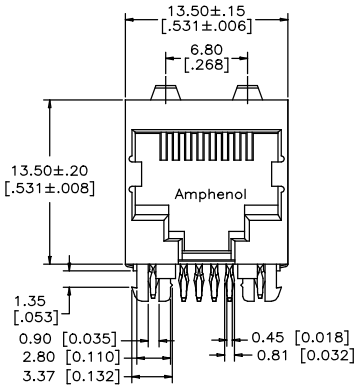
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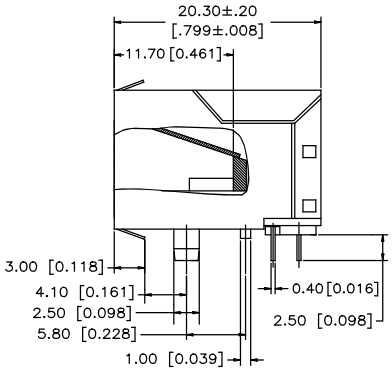
Single Port

RJE56-188-1X10

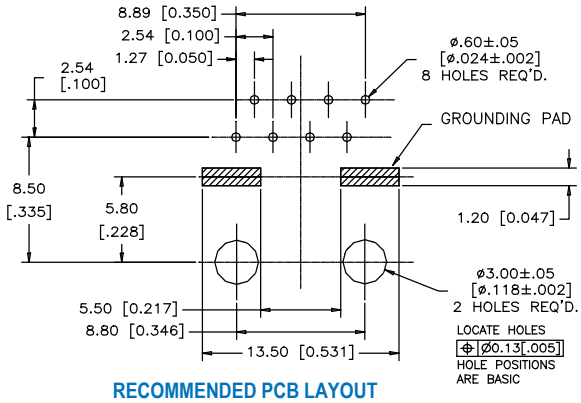
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

Notes

RJE73 SERIES

RJ45 LOW PROFILE WITH LEDS

RJ45 Low Profile with LEDs

The RJE73 Modular Jack is a low profile RJ45 with LEDs and superior EMI shielding with a small foot print for space sensitive designs. Built-in LEDs provide link activity and network verification. This product is ideal for LAN applications such as adapter cards and routers.



Specifications

Material

Insulator:	High temperature thermoplastic; complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold plating options 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin on solder tails.
Shield:	Stainless steel with tin dipped tails
LED:	Tin plating on LED tails

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C 5 seconds maximum

Connectors without LEDs are suitable for IR reflow

Operating Temperature:	-55°C to + 85°C

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.0 Amps
Voltage Rating:	125 Volts AC
DWV	1000 VAC, 60 Hz. 1 minute
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours)
LED Reverse Voltage:	5 Volts minimum
LED Light Intensity:	0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours)
LED Wave Length:	Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA
UL File # :	E135615

Ordering Information

RJE73 - 1 8 8 - 0 0 X X X

Number of Ports
1 - 1 port

Number of Positions
8 - 8 positions

Number of Contacts
8 - 8 contacts

Ground Tabs Option
0 - Without tabs
1 - With side and top tabs

LED Options
Please refer to page 2 for options

Contact Plating
1 - 6 µ" gold plating
2 - 15 µ" gold plating
3 - 30 µ" gold plating
4 - 50 µ" gold plating

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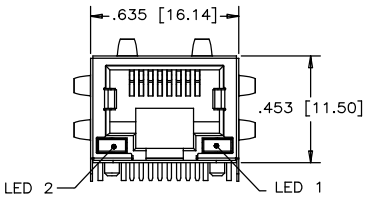
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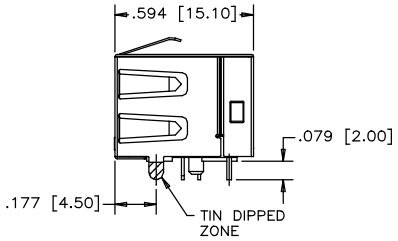
Single Port

RJE73-188-004XX1

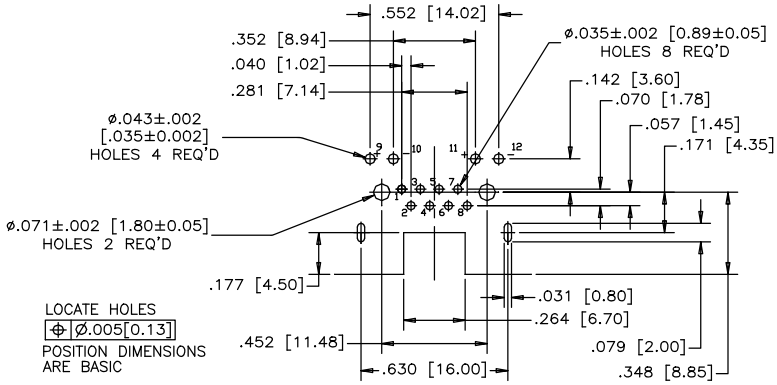
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

Notes

RJE06 SERIES

SINGLE PORT SLIM PROFILE

Single Port Slim Profile

RJE06 series is a group of products within a family of standard Modular Jacks designed to meet requirements for a variety of applications.

Options within the RJE06 family include shielded & non shielded, and RJ12 & RJ45 configurations.



Specifications

Materials

Insulator: Engineering thermoplastic. Complies with UL94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin or gold flash plating on tail area.

Sheild: Copper alloy; nickel plating over all.

Electrical

Contact Resistance: 20 mΩ maximum

Insulation Resistance: 500 MΩ minimum at 500V DC for 2 mins max.

Current Rating: 1.5 Amps

Voltage Rating: 125 Volts AC

DWV: 1000 VAC, 60 Hz. 1 minute.

Electrical

Mating Connector Insertion Force: 5 lbs. maximum

Mating Conenctor Pull Retention Force: 20 lbs. minimum

Durability: 750 mating & unmating cycles

Recommended Soldering Temperature: Wave soldering peaked at 260°C for 5 seconds maximum

Connectors made with high temperature material are suitable for IR reflow

Operating Temperature: -40°C to + 85°C

UL File # : E136228

Ordering Information

RJE06 - 1 X X - X X X X

Number of Ports
1 - 1 port

Number of Positions
6 - 6 positions
8 - 8 positions

Number of Contacts
6 - 6 contacts
8 - 8 contacts

Shielding Options
0 - No shield
1 - Standard shield

Modifier
0 - Standard tail length (3.25mm)
1 - 4.0mm tail length

Flange Options
1 - Without flange
2 - With flange

Contact Plating
1 - 6 µ" gold plating
2 - 15 µ" gold plating
3 - 30 µ" gold plating
4 - 50 µ" gold plating

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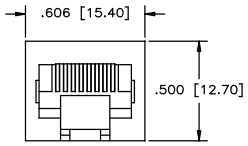
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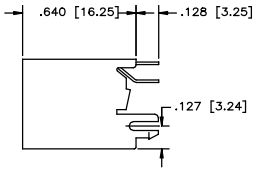
Single Port

RJE06-188-0X10

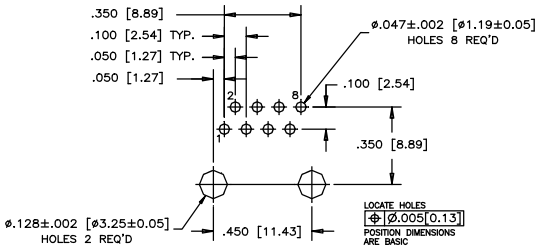
Non-Shielded



FRONT VIEW



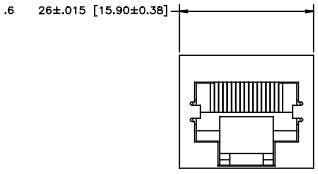
SIDE VIEW



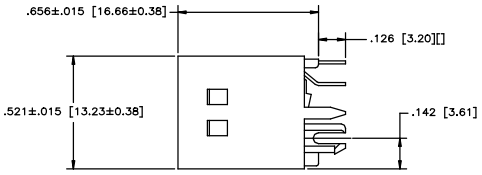
RECOMMENDED PCB LAYOUT

RJE06-188-1X10

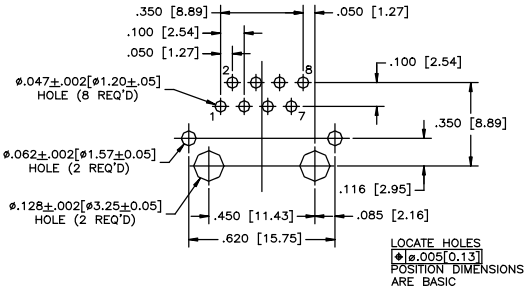
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

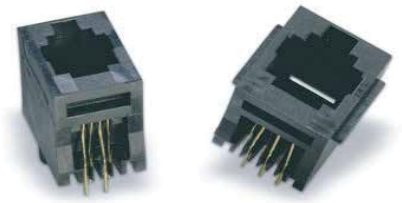
Notes

RJE08 SERIES

SINGLE PORT STANDARD PROFILE

Single Port Standard Profile

RJE08 series is a group of products within a family of standard Modular Jacks designed to meet requirements for a variety of applications. Options within the RJE08 include with & without flange, and RJ11 and RJ45 configurations.



Specifications

Material

Insulator: Engineering thermoplastic. Complies with UL94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin or gold flash plating on tail area.

Electrical

Contact Resistance: 25 mΩ maximum

Insulation Resistance: 500 MΩ minimum at 500V DC for 2 minutes max.

Current Rating: 1.5 Amps

Voltage Rating: 125 Volts AC

DWV: 1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum

Mating Connector Pull Retention Force: 20 lbs. minimum

Durability: 750 mating & unmating cycles

Recommended Soldering Temperature: Wave soldering peaked at 260°C for 5 seconds maximum

Connectors made with high temperature material are suitable for IR reflow

Operating Temperature: -40°C to + 85°C

UL File # : E136228

Ordering Information

RJE08 - 1 X X - 0 X X 0

Number of Ports
1 - 1 port

Number of Positions
4 - 4 positions
6 - 6 positions
8 - 8 positions

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

Modifier
0 - Standard product

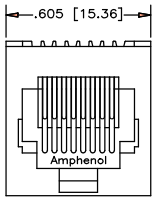
Flange Options
1 - No flange
2 - Flanged

Contact Plating
1 - 6µ" gold plating
2 - 15µ" gold plating
3 - 30µ" gold plating
4 - 50µ" gold plating

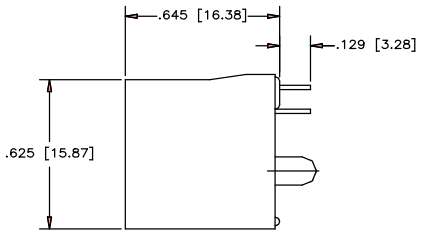
Shield Options
0 - No shield

Single Port

Non-Shielded



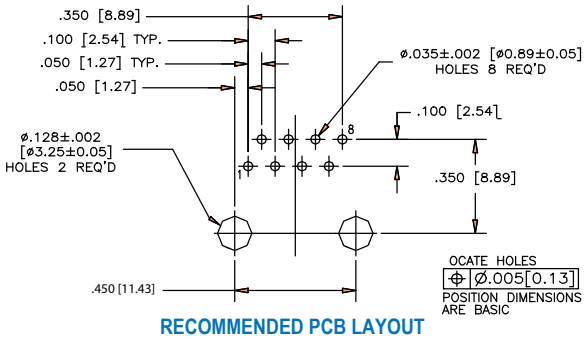
FRONT VIEW



SIDE VIEW

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RJE08-188-0X10



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Single Port Surface Mount

The RJE23 series is designed for high volume production where a vertical Modular Jack is required. Shielding provides increased EMI performance. Surface mount contacts and a fitting nail bracket assist in speeding up the production process.



Specification

Material

Housing:	High temperature thermoplastic; complies with UL 94V-0. Colour: Black.
Shield:	Copper alloy; matte tin plating
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin over nickel on soldering tail.
Hold Down:	Copper alloy; matte tin plating
Coplanarity:	Maximum gap between all terminal tails is .004"

Electrical

Contact Resistance:	20 mΩ maximum
Insulator Resistance:	500 MΩ minimum at 500V DC for 2 mins. max.
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	IR Reflow peaked at 260°C for 5 to 8 seconds maximum
Operating Temperature:	-40°C to +70°C

Ordering Information

RJE23 - 1 X X - 0 X X 0 - X

Number of Ports
1 - 1 port

Number of Positions
6 - 6 positions
8 - 8 positions

Number of Contacts
6 - 6 contacts
8 - 8 contacts

Contact Plating
1 - 6 µ" gold plating
2 - 15 µ" gold plating
3 - 30 µ" gold plating
4 - 50 µ" gold plating

Housing/Flange Option
1 - Black housing without flange
2 - Black housing with flange

Modifier
0 - Standard product

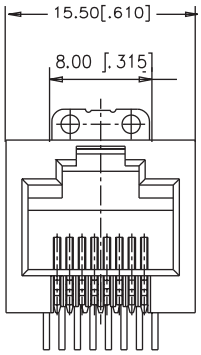
Packaging
Blank - Standard (Tray)
T - Tape and reel

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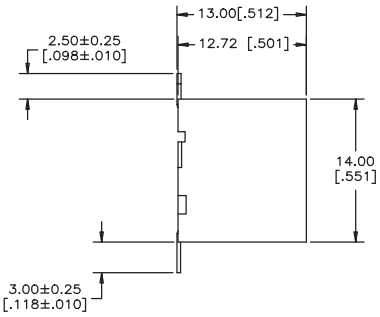
Single Port

RJE23-188-0X10

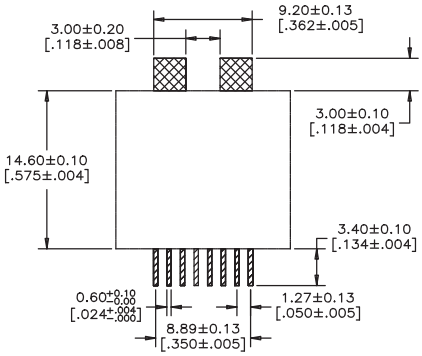
Non-Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

Notes

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Single Port

The RJE74 series, with superior EMI shielding, is built to fit your Registered Jack requirements. The vertical 10P10C version is available with an RMK4 key interface to prevent an 8P8C plug from entering and damaging the connector. Includes optional Mylar cover for automated assembly equipment.



Specifications

Material

Insulator:	High temperature thermoplastic; complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with 30µ" minimum gold thickness over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail.
Shield:	Stainless steel; pure tin dipped tails
LED:	Tin plating on LED tails

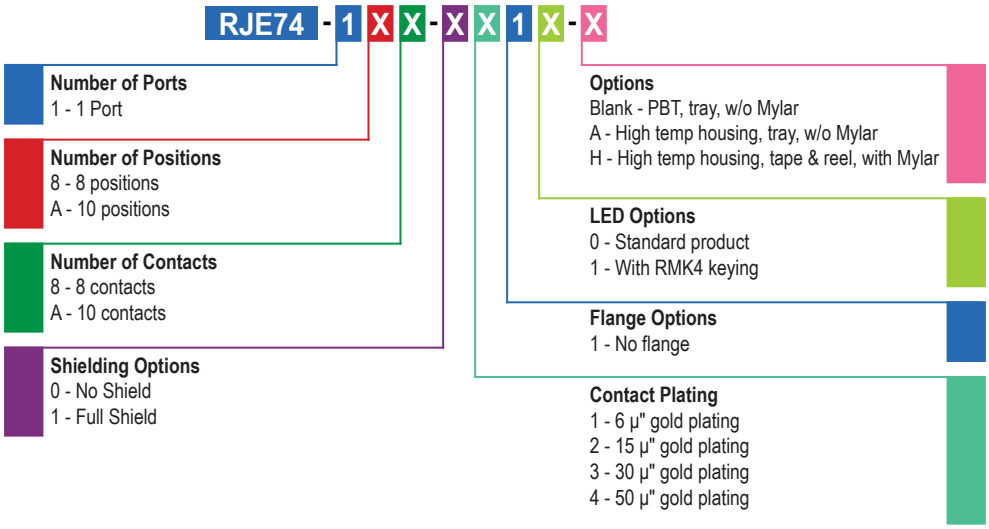
Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	IR Reflow peaked at 260°C for 5 to 8 seconds maximum
Operating Temperature:	-55°C to +85°C
UL File # :	E135615

Ordering Information

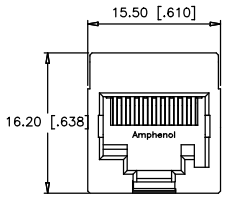


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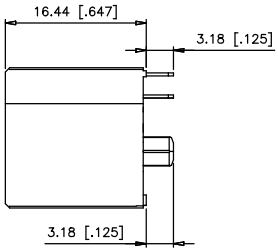
Single Port

RJE74-1AA-0X11

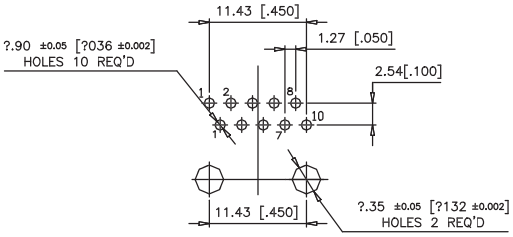
Non-Shielded



FRONT VIEW



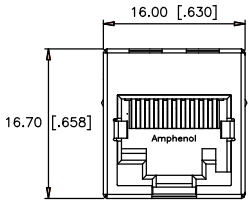
SIDE VIEW



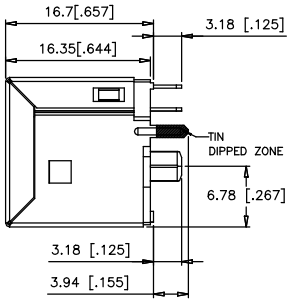
RECOMMENDED PCB LAYOUT

Shielded

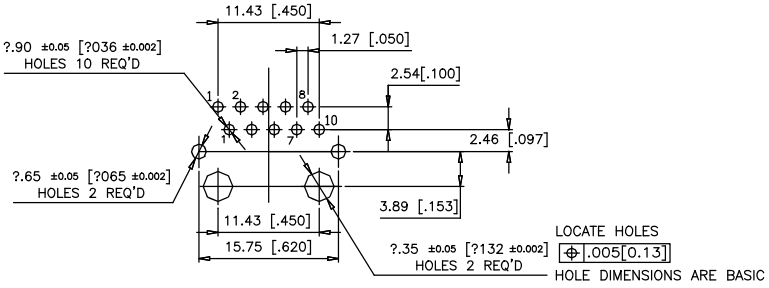
RJE74-1AA-1X11



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

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2, 4, and 8 Ports with LEDs and Shield Options

The RJSAE is a RJ45 stackable connector that reduces component and labour costs by incorporating LEDs into the connector. Its stackable feature enables more ports with the same board space. With superior EMI performance, the option of configuring your connector with a ferrite filter is available to further reduce crosstalk in noisy applications. Amphenol offers a variety of other options such as shielded and unshielded, and a variety of LED combinations and port configurations.



Specifications

Material

Insulator:	High temperature thermoplastic; complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail
Shield:	Copper alloy; nickel plated with pure tin dipped tail
LED:	Pure tin plating on LED tail

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 seconds maximum *Connectors without LEDs are suitable for IR reflow*
Operating Temperature:	-55°C to +85°C

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV	1000 VAC, 60 Hz. 1 minute
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours)
LED Reverse Voltage:	5 Volts minimum
LED Light Intensity:	0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours)
LED Wave Length:	Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA
UL File # :	E135615
CSA File # :	150190

Ordering Information

RJSAE - X X X X - XX

Versions
5 - 8 position, 50 µ" gold plating
7 - 6 position, 50 µ" gold plating
8 - 8 position over 6 position, 50 µ" gold plating

Shield Options
0 - No shield
2 - Shield with top and side tabs, with filter
3 - Shield with top and side tabs, no filter
F - Shield without top and side tabs

Number of Ports
02 - 2 ports (1 over 1)
04 - 4 ports (2 over 2)
08 - 8 ports (4 over 4)

LED Options
Refer to page 2 for options

Number of Contacts
4 - 4 contacts
6 - 6 contacts
8 - 8 contacts

Didn't find what you were looking for?
Please contact sales@amphenolcanada.com and let us know what you need.

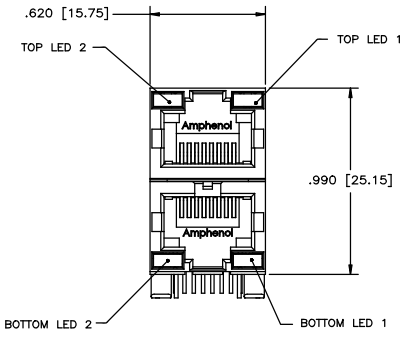
RJSAE SERIES

2, 4, AND 8 PORTS WITH LEDS AND SHIELD OPTIONS

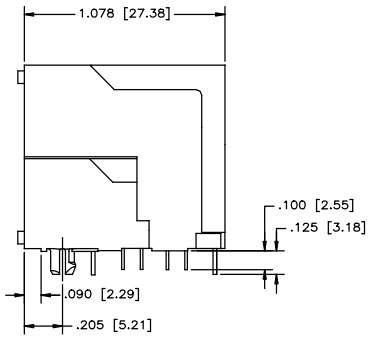
Single Port

RJSAE-508X-02

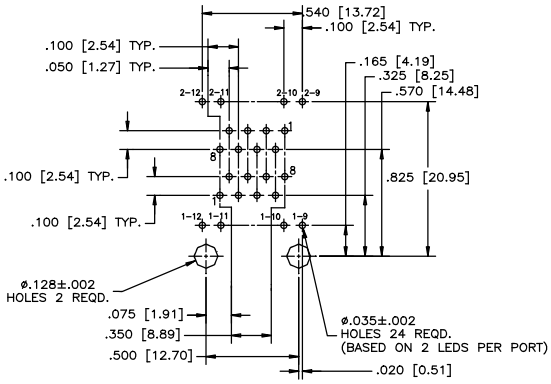
Non-Shielded



FRONT VIEW



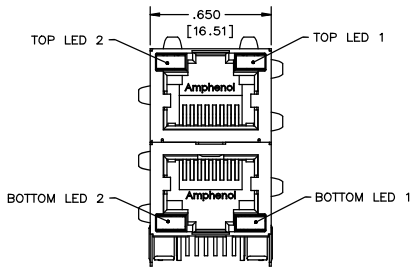
SIDE VIEW



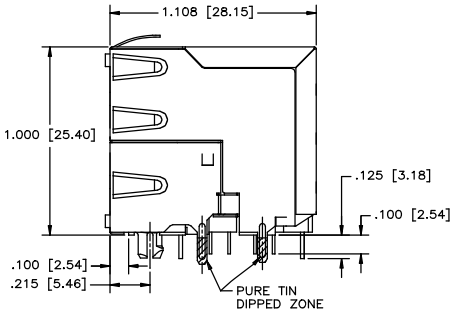
RECOMMENDED PCB LAYOUT

RJSAE-538X-02

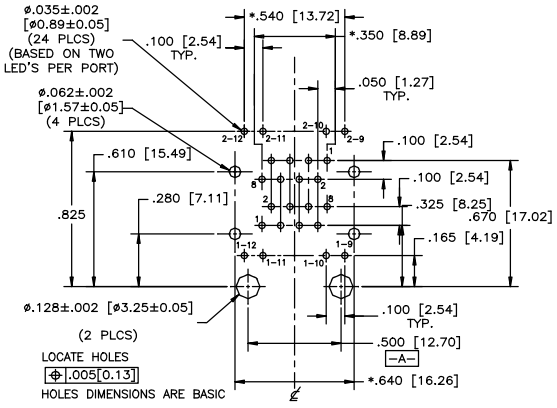
Shielded



FRONT VIEW



SIDE VIEW

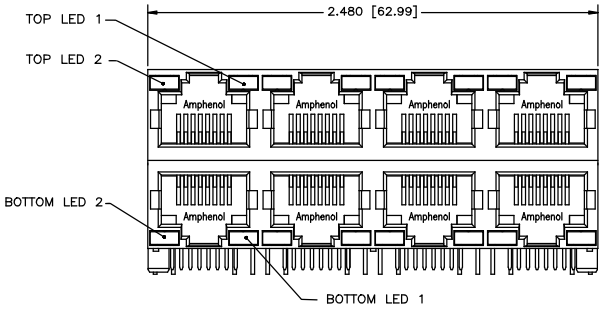


RECOMMENDED PCB LAYOUT

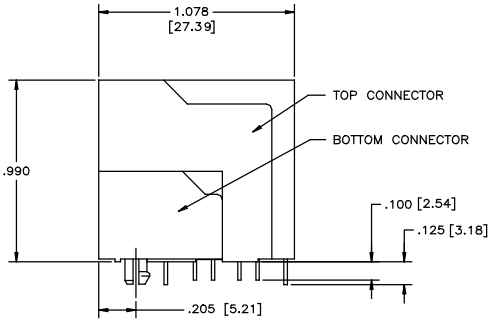
Multi Port

RJSAE-508X-08

Non-Shielded



FRONT VIEW



SIDE VIEW

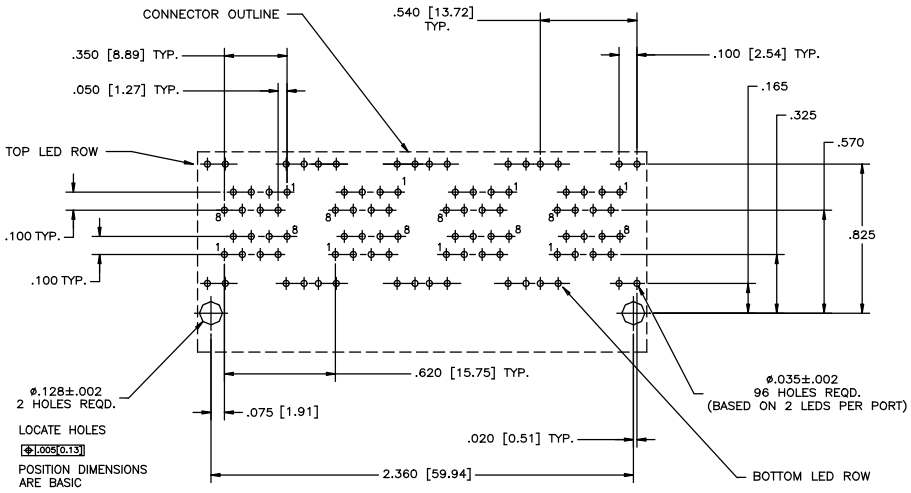
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Multi Port

RJSAE-508X-08

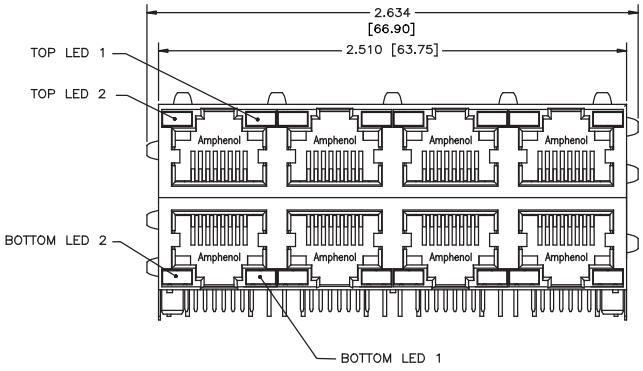
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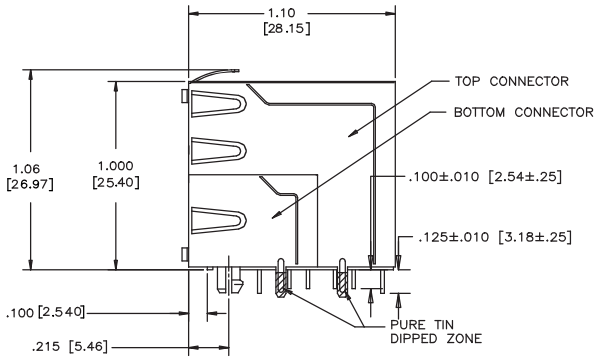
RECOMMENDED PCB LAYOUT

Shielded

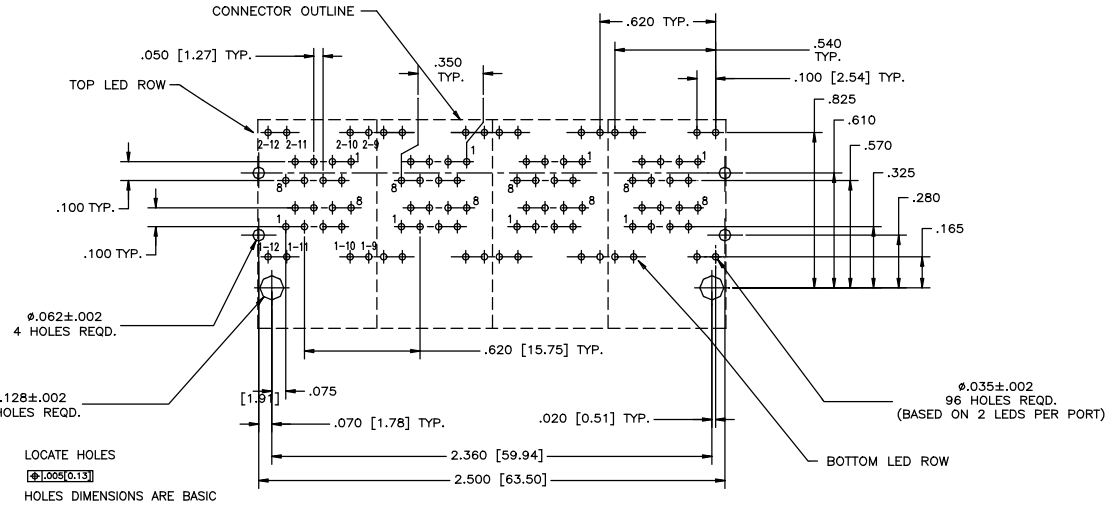
RJSAE-538X-08



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

RJSNE SERIES

4 OVER 4 PORTS WITH LED AND SHIELD OPTIONS

4 Over 4 Ports with LED and Shield Options

The RJSNE series is a stacked connector that offers LED options for link activity and network verification. It is available with or without shielding. The RJSNE series also includes a unique inner shield device to reduce the cross talk between top and bottom ports.



Specifications

Material

Insulator:	High temperature engineering thermoplastic. Complies with UL94V-0.Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin plating on soldering tail.
Shield:	Copper alloy, nickel plated with tin dipped tail or stainless steel with tin dipped tail.
LED:	Pure tin plating on LED tail.

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 seconds maximum *Connectors without LEDs are suitable for IR reflow*
Operating Temperature:	-55°C to +85°C

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 2mA (for bi-colours)
LED Reverse Voltage:	5 Volts minimum
LED Light Intensity:	0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for bi-colours)
LED Wave Length:	Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA
UL File # :	E135615

Ordering Information

RJSNE - X X X X - X 8

Version
- 5 - 8 position, 50 µ" gold plating
- D - 8 position, 6 µ" gold plating
- G - 8 position, 15 µ" gold plating
- J - 8 position, 30 µ" gold plating

Shield Options
- 0 - No shield
- 3 - Shield with top and side tabs
- F - Shield, without top and side tabs

Number of Ports
- 8 - 8 Ports (4 over 4)

Special Identifier
- 0 - Standard
- A - Contact tail, 0.130", ± 0.10"

LED Options
- Refer to page 2 for options

Number of Contacts
- 4 - 4 Contacts
- 6 - 6 Contacts
- 8 - 8 Contacts

Didn't find what you were looking for?
Please contact sales@amphenolcanada.com and let us know what you need.

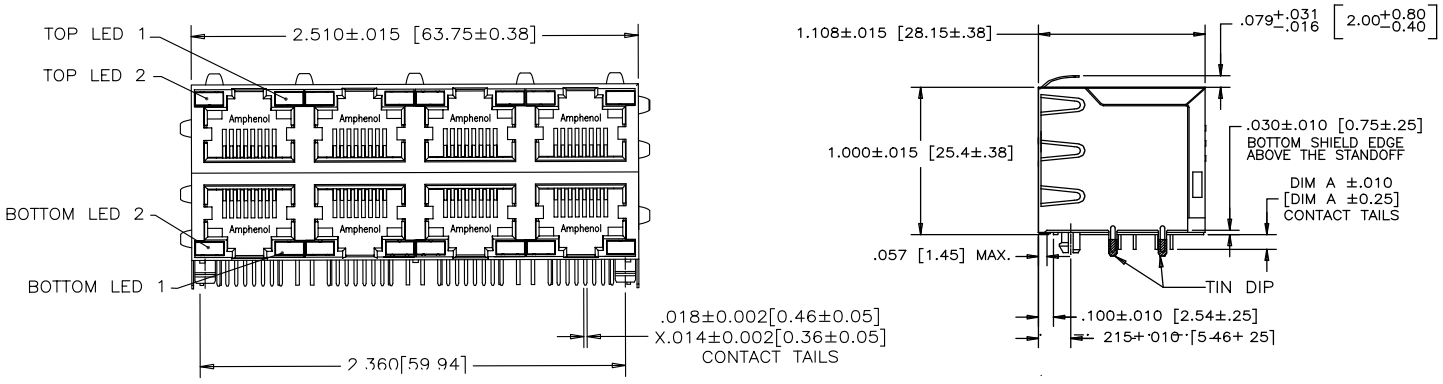
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Multi Port

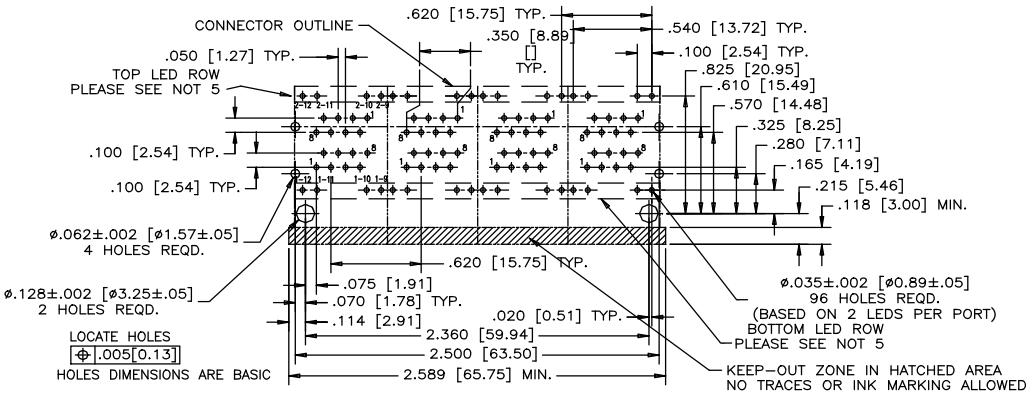
RJSNE-538X-X8

Shielded



FRONT VIEW

SIDE VIEW



RECOMMENDED PCB LAYOUT

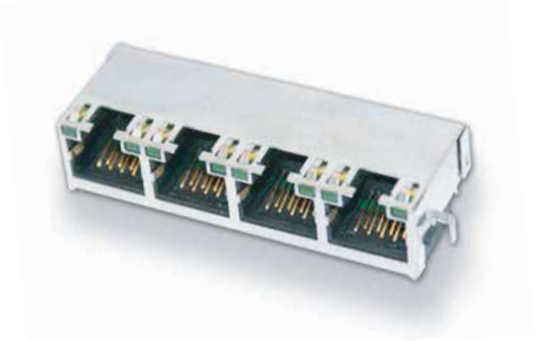
Notes

RJE72 SERIES

CAT 5e, RIGHT ANGLED, RECESSED, LOW PROFILE

Right Angled, Recessed, Low Profile

The RJE72 of Modular Jacks meet category CAT5e performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.



Specifications

Material

Insulator:	High temperature thermoplastic; complies with UL 94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin on solder tails.
Shield:	Stainless steel with tin dipped tails
LED:	Steel with tin plating on LED tails. Epoxy lens.

Mechanical

Mating Connector Insertion Force:	5 lbs. maximum
Mating Connector Pull Retention Force:	20 lbs. minimum
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	IR reflow peaked at 260°C for 5 to 8 seconds *IR reflow is not recommended for connectors with LEDs*
Operating Temperature:	-40°C to +85°C

Electrical

Contact Resistance:	20 mΩ maximum
Insulation Resistance:	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating:	1.25 Amps
Voltage Rating:	125 Volts AC
DWV	1000 VAC, 60 Hz. 1 minute
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts maximum @ 2mA (for single colours)
LED Reverse Voltage:	5 Volts minimum
LED Light Intensity:	0.4 to 1.5 mcd @ 2mA (for single colours)
LED Wave Length:	Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA
UL File # :	E135615

Ordering Information

RJE72 - X 8 8 - 1 X X X - X

Number of Ports
1 - 1 Port
4 - 4 Ports

Number of Positions
8 - 8 positions

Number of Contacts
8 - 8 contacts

Shielding Options
1 - Full shield

Packaging
Blank - Tray
T - Tape and reel

Modifie
1 - 3.18mm Tail length
2 - 2.27mm Tail length
3 - 2.16mm Tail length

LED Options
Refer to page 2 for options

Contact Plating
1 - 6 µ" gold plating
2 - 15 µ" gold plating
3 - 30 µ" gold plating
4 - 50 µ" gold plating

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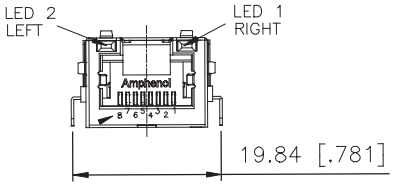
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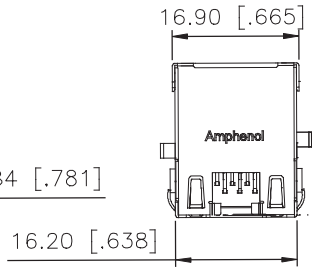
Single Port

RJE72-188-1XX1

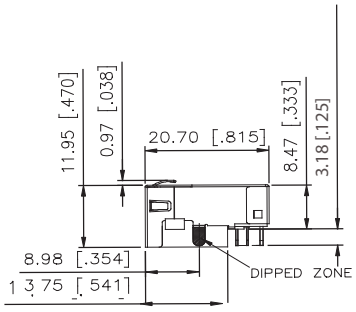
Shielded



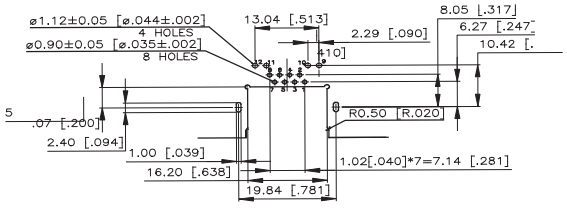
FRONT VIEW



TOP VIEW



SIDE VIEW

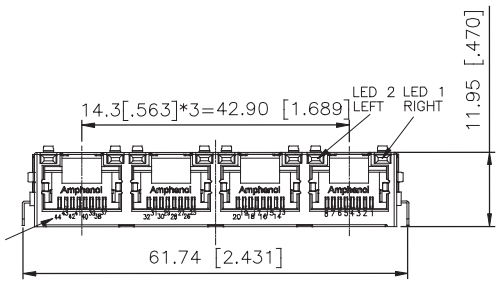


RECOMMENDED PCB LAYOUT

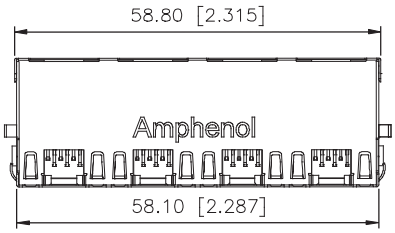
Multi Port

RJE72-488-1XX1

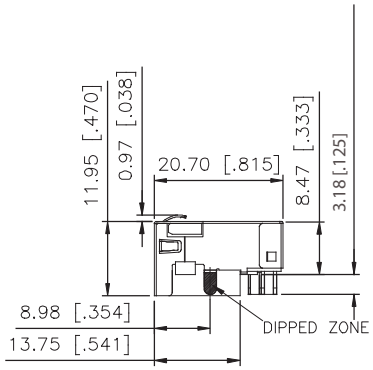
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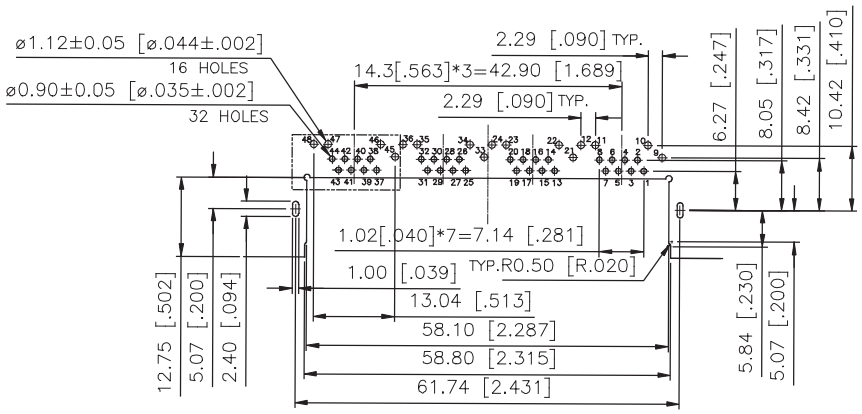
FRONT VIEW



TOP VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

RJE71 SERIES

CAT6, RIGHT ANGLED, RECESSED, LOW PROFILE

Right Angled, Recessed, Low Profile

The RJE71 series of Modular Jacks meet category CAT6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols and 10G Ethernet over lengths up to 50M. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.



Specifications

Material

Insulator: High temperature thermoplastic; complies with UL 94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin on solder tails

Shield: Stainless steel with tin dipped tails

LED: Tin plating on LED tails

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum

Mating Connector Pull Retention Force: 20 lbs. minimum

Durability: 750 mating & unmating cycles

Recommended Soldering Temperature: IR reflow peaked at 260°C for 5 to 8 seconds

IR reflow is not recommended for connectors with LEDs

Operating Temperature: -40°C to +85°C

Electrical

Contact Resistance: 20 mΩ maximum

Insulation Resistance: 500 MΩ minimum at 500V DC for 2 mins max.

Current Rating: 1.25 Amps

Voltage Rating: 125 Volts AC

DWV: 1000 VAC, 60 Hz. 1 minute

LED Forward DC Current: 20mA typical

LED Forward Voltage: 1.9 Volts maximum @ 2mA (for single colours)
2.6 Volts maximum @ 20mA (for Bi-colours)

Packaging

LED Reverse Voltage: 5 Volts minimum

LED Light Intensity: 0.4 to 1.5 mcd @ 2mA (for single colours)
0.5 mcd minimum @ 2mA (for Bi-colours)

LED Wave Length: Yellow: 587 ± 7 nm measured @ 20mA
Green: 565 ± 6 nm measured @ 20mA
Red: 625 ± 5 nm measured @ 20mA

Ordering Information

RJE71 - X 8 8 - 1 X X X - X

Number of Ports
1 - 1 Port
4 - 4 Port

Number of Positions
8 - 8 positions

Number of Contacts
8 - 8 contacts

Shielding Options
1 - Full shield

Packaging
Blank - Tray
T - Tape and reel

Modifier
1 - 3.18mm Tail length
2 - 2.27mm Tail length
3 - 2.16mm Tail length

LED Options
Refer to page 2 for options

Contact Plating
1 - 6 µ" gold plating
2 - 15 µ" gold plating
3 - 30 µ" gold plating
4 - 50 µ" gold plating

Didn't find what you were looking for?
Please contact sales@amphenolcanada.com and let us know what you need.

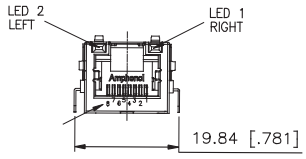
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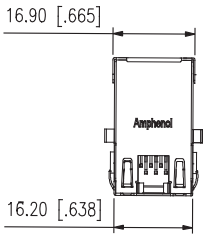
Single Port

RJE71-188-1X1X

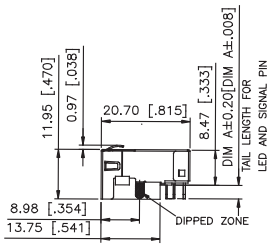
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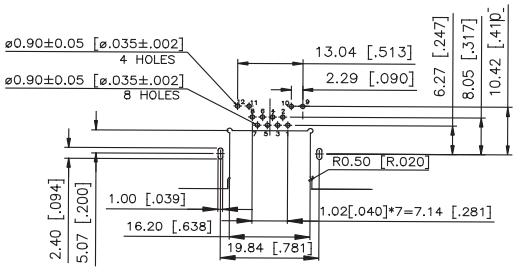
FRONT VIEW



TOP VIEW



SIDE VIEW

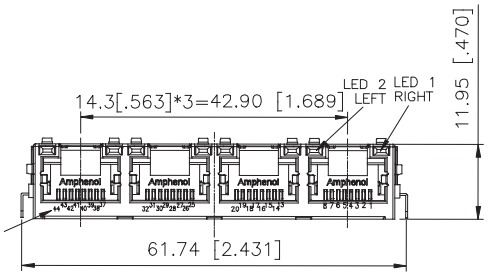


RECOMMENDED PCB LAYOUT

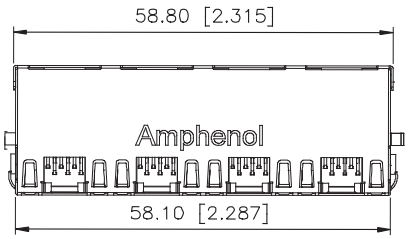
Multi Port

RJE71-488-1XXX

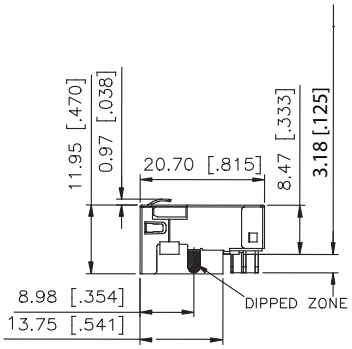
Shielded



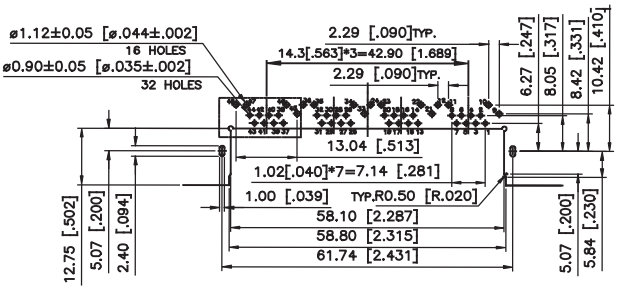
FRONT VIEW



TOP VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

RJE17 SERIES

RJ45 COUPLER

RJ45 Coupler

The RJE17 coupler provides connections through barriers such as equipment covers and panels. They are locked into place with a panel latch for secure mounting. Available in CAT3 and CAT5e performance. The added shielding provides optimal EMI protection.





Specifications

Material

Insulator: Engineering thermoplastic. Complies with UL 94V-0. Colour: Black.

Contacts: Phosphor bronze hard temper with gold thickness options (30µ", 50µ") over 50µ" minimum nickel on contact mating area

Shield: Stainless steel

Electrical

Contact Resistance: 20 mΩ maximum

Insulation Resistance: 500 MΩ minimum at 500V DC for 2 minutes max.

Current Rating: 1.5 Amps

Voltage Rating: 125 Volts AC

DWV 1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum

Mating Connector Pull Retention Force: 20 lbs. minimum

Durability: 750 mating & unmating cycles

Operating Temperature: -40°C to + 85°C

Ordering Information

RJE17 - 2 8 8 - 1 X X X

Number of Ports
2 - 2 Ports

Number of Positions
8 - 8 positions

Number of Contacts
8 - 8 contacts

Contact Plating
1 - 6 µ" gold plating
2 - 15 µ" gold plating
3 - 30 µ" gold plating
4 - 50 µ" gold plating
5 -1 ~ 3 µ" gold plating

Modifier
1 - CAT3 with matte tin plating on internal tail
3 - CAT5e with matte tin plating on internal tail
4 - CAT5e with gold flash plating on internal tail

LED Options
1 - Both ports are tab down
2 - One port is tab up and the other is tab down

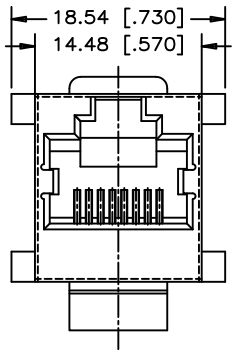
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Amphenol® Canada Telephone: (416) 754-5656 Fax: (416) 754-8668 Email: sales@amphenolcanada.com

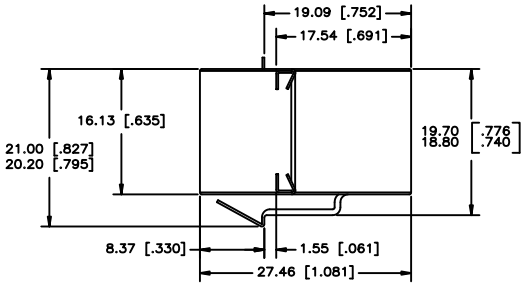
All specifications are subject to change without notice. Catalogue is updated regularly. Please refer to the website for the most recent edition.

Single Port

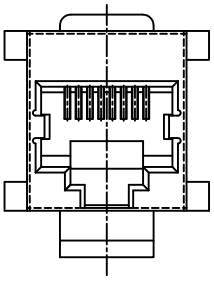
RJE17-288-1X21



FRONT VIEW



SIDE VIEW



REAR VIEW

Notes

NOTES

NOTES

Amphenol®

Now you're connected!

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RJHSE-5381 FRJAE-438

EN
This Datasheet is presented by the manufacturer

DE
Dieses Datenblatt wird vom Hersteller bereitgestellt

FR
Cette fiche technique est présentée par le fabricant