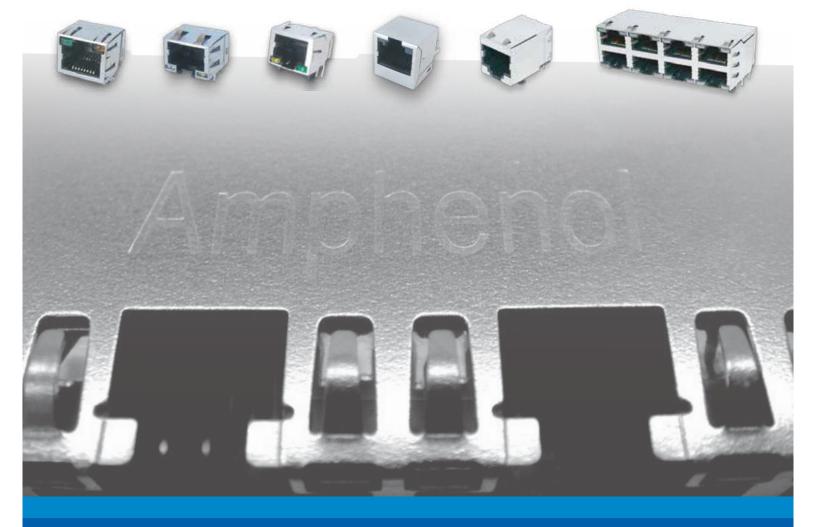
ModularJacks





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 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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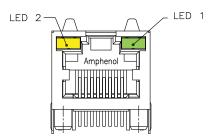
LED Designation

Ex. RJHSE - 538X* * LED Designation Code

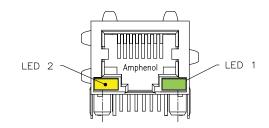
LED	LED 2 LED 1		
CODE	Left	Right	
0	Blocked	Blocked	
1	Yellow	Green	
2	Blocked	Green	
3	Yellow	Blocked	
4	Green	Yellow	
5	Green	Green	
6	Yellow	Yellow	
7	Red	Green	
8	Green	Red	
9	Green	Blocked	
А	BiC GR/YE	BiC GR/YE	
В	BiC RD/GR	BiC RD/GR	
С	BiC RD/GR	BiC GR/YE	
D	Green	BiC GR/YE	
E	Yellow	BiC GR/YE	
F	BiC GR/YE	Yellow	
G	BiC GR/OR	BiC GR/OR	
Н	BiC GR/YE	Green	
J	BiC RD/GR	Yellow	
К	Yellow	BiC GR/OR	
L	BiC GR/YE	Red	
М	Red	Yellow	
N	BiC GR/RD	BiC GR/YE	
Р	Green	BiC RD/GR	
R	BiC GR/OR	Green	
Т	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.

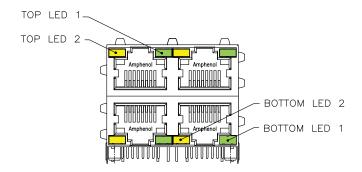
For RJHS, RJCSE, RJESE, RJE71, and RJE72:



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.

2

RJHS SERIES **EMI OUIET 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. Phosphor bronze hard temper with gold thickness Contacts: 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 Luminous Intensity:

6 Volts minimum 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: Mating Connector Pull Retention Force: Durability: **Recommended Soldering** Temperature:

Operating Temperature: UL File # : CSA File # :

5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 seconds maximum Connectors without LEDs are suitable for IR reflow -55°C to + 85°C E135615 LR68598

Ordering Information

- 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

Didn't find what you were looking for?

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

RJHS 🔀 - 🗙 X X X 🗴 - XX 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

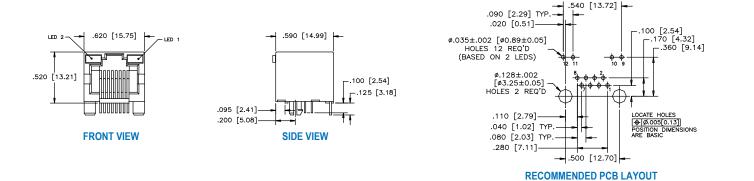
Number of Contacts

- 4 4 contacts
- 6 6 contacts
- 8 8 contacts

RJHSE-508X

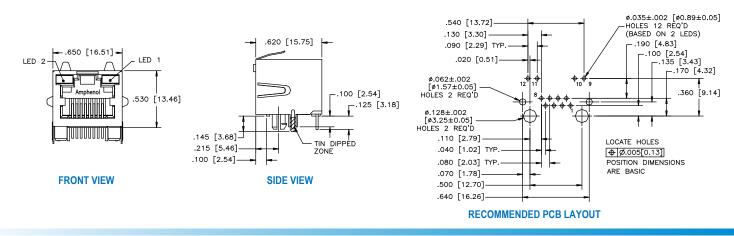
Single Port

Non-Shielded



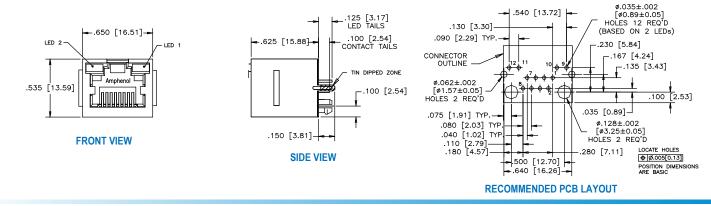
RJHSE-548X

Shielded - With Top & Side Ground Tabs



RJHSE-338X



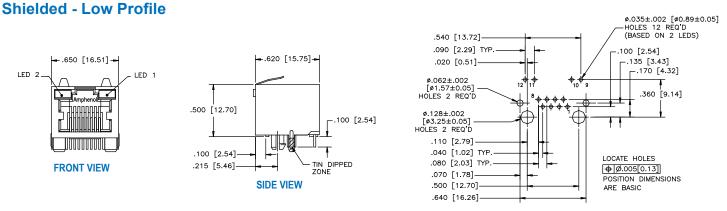


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RJHS SERIES EMI QUIET WITH LEDS

Single Port

RJHSE-L38X



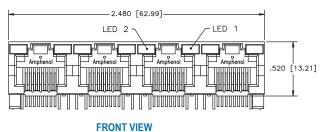
RECOMMENDED PCB LAYOUT

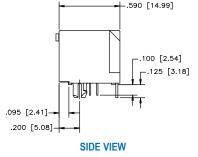
Multi Port

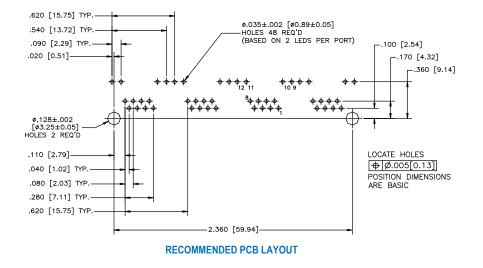
RJHSE-508X-04



5







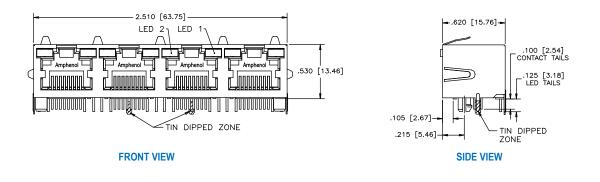


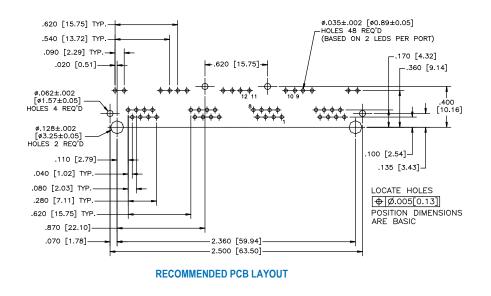
RJHSE-538X-04

6

Multi Port

Shielded





Notes

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.
oontacts.	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
0 1	

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: DWV:

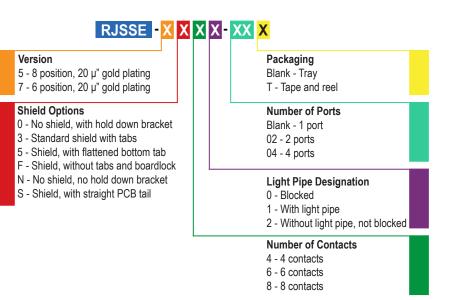
Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: Durability: Recommended Soldering Temperature:

Operating Temperature: UL File # : 125 Volts AC 1000 VAC, 60Hz. 1 minute

5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles IR Relflow peaked at 260°C for 5 to 8 seconds *Light pipes to be installed after soldering* -55°C to +85°C E135615

Ordering Information



Didn't find what you were looking for?

7

RJSSE SERIES SURFACE MOUNT WITH LIGHT PIPES

RJSSE-5080

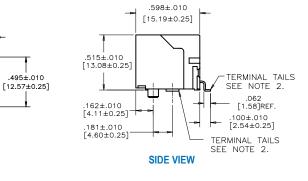
Single Port

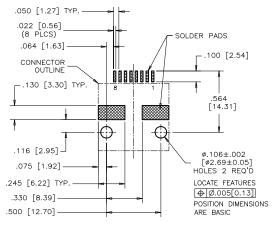
.634±.010 [16.10±0.25]

FRONT VIEW

Non-Shielded

Shielded





RECOMMENDED PCB LAYOUT

RJSSE-5381

.429 [10.90] .893 [22.68] .050 [1.27] TYP. SEE DETAIL 'A' .022 [0.56] (8 PLCS) .650 [16.51]-.090 X .090 [2.29 X 2.29] LIGHT ENTRANCE AREAS OF LIGHT PIPES .803 [20.40] INSERT LIGHT PIPE .064 [1.63] AFTER SOLDER REFLOW .620 [15.75] .035 [0.90] .100 [2.54] .525 [13.34] CONNECTOR OUTLINE .678 [17.22] .525 [13.33] -.055 [1.41] .564 [14.31] .514 [13.04] 1 .125 [3.18]TYP.] **FRONT VIEW** ᠿ .118 [3.00] Ð .070 [1.78] ø.106±.002 [ø2.69±0.05] 100 [2.54] .075 [1.92] .170 [4.32] HOLES 2 REQ'D .245 [6.22] TYP. .406 [10.31] .120 [3.05] LOCATE FEATURES .330 [8.39] .158 [4.02] **♦**Ø.005[0.13] .500 [12.70] .181 [4.60] POSITION DIMENSIONS ARE BASIC .035 [0.89] -.496 [12.60] .047 [1.19] TYP. SIDE VIEW .047 [1.19] TYP. DETAIL 'A' (ENLARGED) SMT LED SOLDER PAD (SMT LED TO BE PROVIDED BY THE CUSTOMER) **RECOMMENDED PCB LAYOUT**

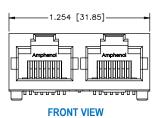
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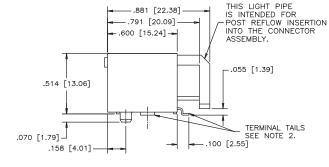
RJSSE SERIES SURFACE MOUNT WITH LIGHT PIPES

Multi Port

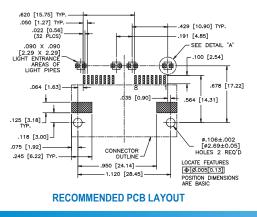
Non-Shielded

RJSSE-5081-02



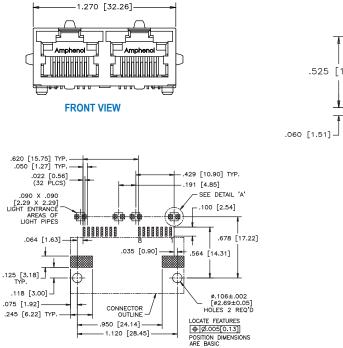


SIDE VIEW



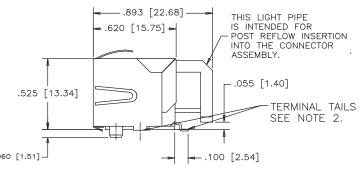
Shielded

9



RECOMMENDED PCB LAYOUT

RJSSE-5381-02



SIDE VIEW

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RJSBE SERIES 1, 2, AND 4 PORT WITH LEDS

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.

5 lbs. maximum

20 lbs. minimum

750 mating & unmating cycles

260°C for 5 seconds maximum

Connectors without LEDs are suitable for IR reflow

Wave soldering peaked at



Specifications

Material Insulator:

. . .

Contacts:

Shield: LED:

Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: Durability: Recommended Soldering Temperature:

High temperature engineering thermoplastic; complies with UL 94V-0. Colour: Black. 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. Copper alloy; nickel plated with tin dipped tail Tin plating on LED tail. Epoxy lens. Operating Temperature:

Electrical Contact Resistance: Insulation Resistance:

Current Rating: Voltage Rating: DWV: LED Forward DC Current: LED Forward Voltage:

LED Reverse Voltage: LED Light Intensity:

LED Wave Length:

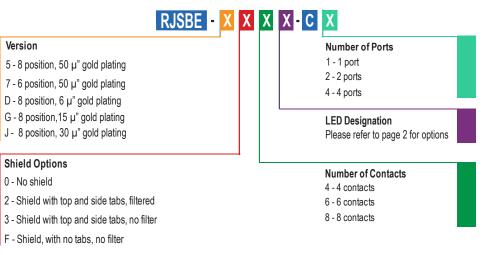
UL File # CSA File # -55°C to +85°C

20 mΩ maximum 500 MΩ minimum at 500V DC for 2 minutes maximum 1.5 Amps 125 Volts AC 1000V DC, 60Hz. 1 minute 20 mA typical 1.9 Volts max. @ 2mA (for single colours) 2.6 Volts max. @ 20mA (for Bi-colours) 5 Volts minimum 0.4 to 1.5 mcd @ 2mA (for single colours) 0.4 mcd min. @ 2mA (for Bi-colours) Yellow: 587±7 nm measured @ 20mA Green: 565± 6 nm measured @ 20mA Red: 625± 5 nm measured @ 20mA E135615

 $\mathbf{10}$

LR68598

Ordering Information



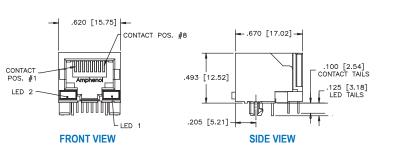
Didn't find what you were looking for?

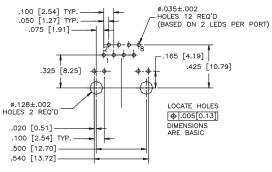
Single Port

RJSBE-508X-C1

RJSBE-538X-C1

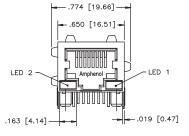
Non-Shielded



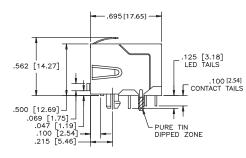


RECOMMENDED PCB LAYOUT

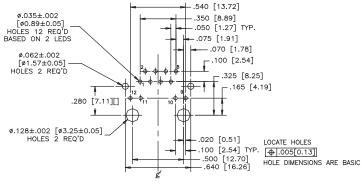
Shielded











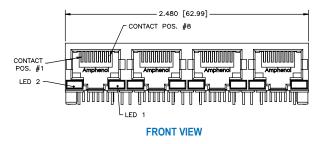
RECOMMENDED PCB LAYOUT

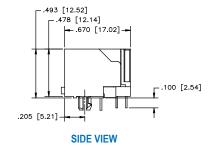
RJSBE SERIES 1, 2, AND 4 PORT WITH LEDS

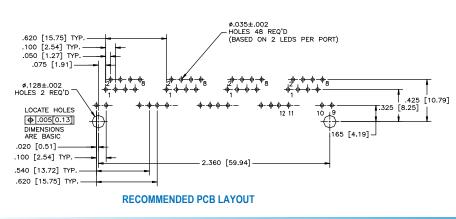
RJSBE-508X-C4

Multi Port

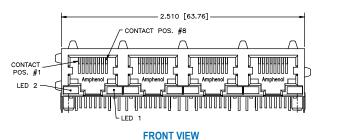
Non-Shielded





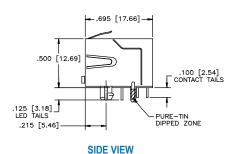


Shielded





12



.620 [15.75] TYP. .100 [2.54] TYP. .050 [1.27] TYP. .075 [1.91]— Ø.035±.002 HOLES 48 REQ'D (BASED ON 2 LEI Ø.062±.002 HOLES 2 REQ'D LEDS PER PORT) ⁺8 8 1 165 [4.19] .280 [7.11] TYP. .425 [10.79] 12 11 10 .325 [8.25] 1 ø.128±.002 HOLES 2 REQ'D LOCATE HOLES .020 [0.51] .070 [1.78]_ TYP.
 ⊕.005[0.13]

 HOLE DIMENSIONS

 ARE BASIC
 -.100 [2.54] TYP. .540 [13.72] TYP. - 2.360 [59.94]-

RECOMMENDED PCB LAYOUT

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FRJAE SERIES

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.



5 lbs. maximum

20 lbs. minimum

for 5 to 8 seconds

-55°C to + 85°C

with LEDs

E135615

LR68598

750 mating & unmating cycles

IR reflow not recommended for connectors

IR Reflow peaked at 260°C

Specifications

Material Insulator:

Contacts:

complies with UL 94V-0. Colour: Black. 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. Copper alloy; nickel plated with tin dipped tail High impedance, high resistivity ferrite block

High temperature engineering thermoplastic;

Shield: Filter:

Electrical

Contact Resistance: Insulation Resistance:

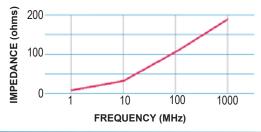
Current Rating: Voltage Rating: DWV: 20 mΩ maximum 500 MΩ minimum at 500V DC for 2 minutes maximum 1.5 Amps 125 Volts AC 1000 VAC, 60 Hz. 1 minute

Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: Durability: Recommended Soldering Temperature:

Operating Temperature: UL File # : CSA File # :

Impedance Characteristics



Ordering Information

Version	Number of Ports
4 - 8 position	Blank - 1 port
6 - 6 position	02 - 2 ports
	03 - 3 ports
Options	04 - 4 ports
0 - Non-filtered, non shielded	06 - 6 ports
1 - Filtered with front tab shield	08 - 8 ports
3 - Shield with front tab	
4 - Filtered	Number of Contacts
6 - Filtered with rear tab shield	2 - 2 contacts
7 - Filtered with non-tab shield	4 - 4 contacts
8 - Shield with rear tab	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.

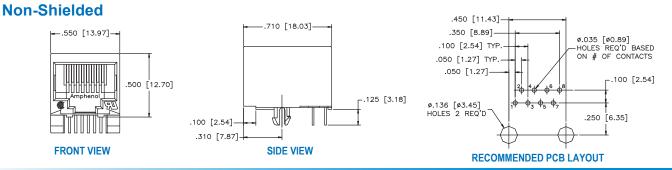
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FRJAE SERIES

FILTERED AND SHIELDED

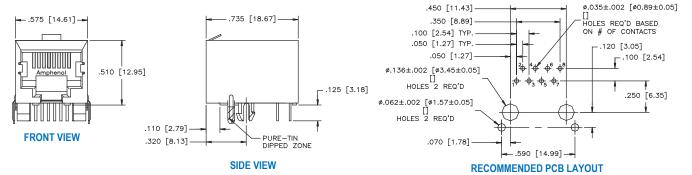
Single Port

FRJAE-408



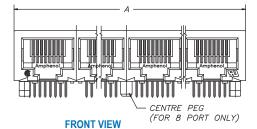
Shielded

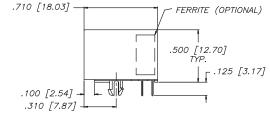
FRJAE-438



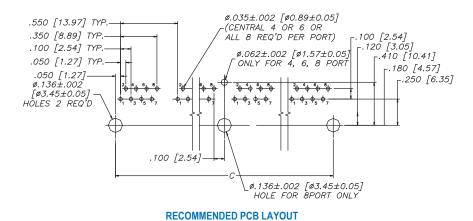
Multi Port

Non-Shielded





SIDE VIEW



Number of ports	A	С
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]

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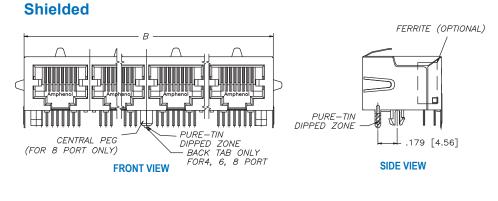
FRJAE-4X8-0X

14

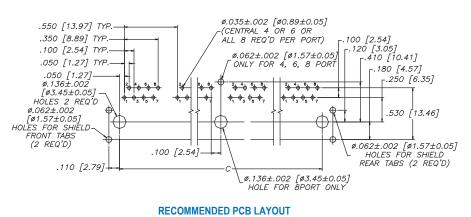
FRJAE SERIES

Multi Port

FRJAE-418-0X



Number of ports	В	С
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]



Notes

RJCSE SERIES RJ45 SURFACE MOUNT WITH LEDS

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:

Contacts:

Shield: LED:

Mechanical

Mating Connector Insertion Force: Mating Connector Pull **Retention Force:** Durability:

Operating Temperature:

High temperature engineering thermoplastic; complies with UL 94V-0. Colour: Black. 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. Copper allov with nickel plating Tin plating on LED tail. Epoxy lens.

5 lbs. maximum

20 lbs. minimum 750 mating & unmating cycles (for 50µ" gold plating option) -55° C to + 85° C

Electrical

Contact Resistance: Insulation Resistance:

Current Rating: Voltage Rating: DWV: LED Forward DC Current: LED Forward Voltage:

LED Reverse Voltage: LED Light Intensity:

LED Wave Length:

20 mΩ maximum 500 MΩ minimum at 500V DC for 2 minutes maximum 1.5 Amps 125 Volts AC 1000 VAC, 60 Hz. 1 minute 20mA typical 1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours) 5 Volts minimum 0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours) Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA

Ordering Information

X X X - 01 RJCSE Version Number of Ports 3 - 8 position, 15 µ" gold plating 01 - 1 port 4 - 8 position, 30 µ" gold plating LED Options 5 - 8 position, 50 µ" gold plating **Shielding Options** Number of Contacts 0 - No shield 4 - 4 contacts 3 - Standard shield 6 - 6 contacts

Refer to page 2 for options

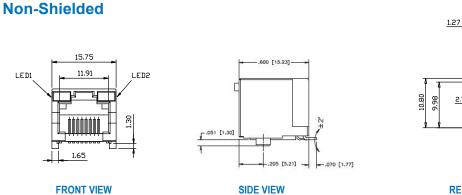
8 - 8 contacts

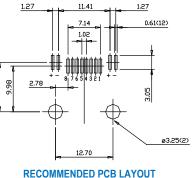
Didn't find what you were looking for?

RJCSE SERIES RJ45 SURFACE MOUNT WITH LEDS

Single Port

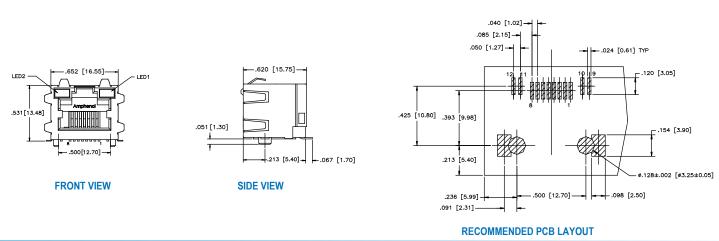
RJCSE-508X-01





Shielded

RJCSE-538X-01



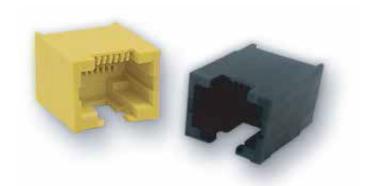
Notes

17

RJLSE SERIES SURFACE MOUNT ULTRA LOW PROFILE

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

Insertion Force:

Material Insulator: High temperature engineering thermoplastic; flammability rating UL 94V-0. Available in black yellow, and red. Phosphor bronze Contacts: Gold plating on mating surfaces over 50µ" (1.27 Plating: 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

Mating Connector Pull Retention Force: Durability: Recommended Soldering Temperature:

Operating Temperature:

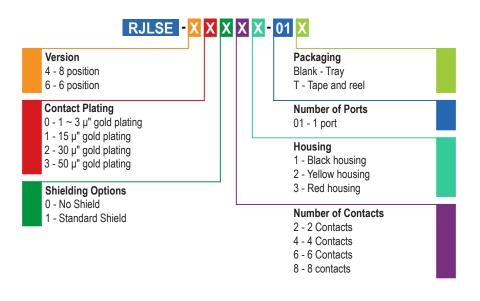
Electrical

Contact Resistance: Insulation Resistance: Current Rating: Voltage Rating: DWV: UL File # CSA File # 20 lbs. minimum 750 mating & unmating cycles IR Reflow peaked at 260°C for 5 to 8 seconds -55°C to +85°C

 $\begin{array}{l} 20 \mbox{ m}\Omega\mbox{ maximum} \\ 500 \mbox{ M}\Omega\mbox{ minimum} \mbox{ at } 500 \mbox{ DC} \mbox{ for } 2\mbox{ mins}\mbox{ max}. \\ 1.5 \mbox{ Amps} \\ 125 \mbox{ Volts}\mbox{ AC} \\ 1000 \mbox{ VAC}, \mbox{ 60Hz}. \mbox{ 1 minute} \\ E135615 \\ LR68598 \end{array}$

Ordering Information

5 lbs, maximum



Didn't find what you were looking for?

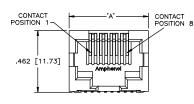
RJLSE SERIES SURFACE MOUNT ULTRA LOW PROFILE

Single Port

RJLSE-XX0X1-01

RJLSE-4X181-01

Non-Shielded

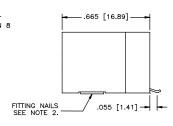




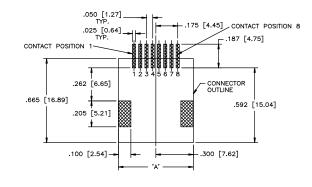
DIMENSIONS

.520 [13.21]

.600 [15.24]



SIDE VIEW



RECOMMENDED PCB LAYOUT

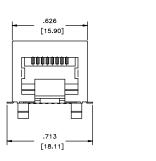
Shielded

19

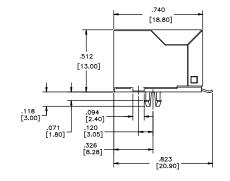
NO. OF POSITIONS

6

8



FRONT VIEW



SIDE VIEW

.350±.002 [8.89±0.05] .050 [1.27]typ .030 [0.76]typ. ,250±.003 [6.35±0.08] Ø.128±.002 [Ø3.25±0.05] 2 holes .520±.003 [13.21±0.08] ŧ. .062±.003 [1.57±0.08] Ŧ | .307 [7.80] \bigotimes \bigotimes .450±.004 [11.43±0.10] 138+.010 3.51^{+0.25} .055±.003 [1.40±0.08] .088+.010 RECOMMENDED 2.24+0.25

RECOMMENDED PCB LAYOUT

RJESE SERIES RJ45 AND RJ11 STANDARD PROFILE

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

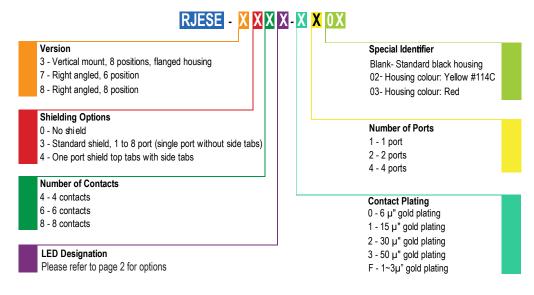
Material Insulator:	Engineering thermoplastic. Complies with UL 94V-0. Colour: Black.	LED Forward Voltage: 1.9 Vol 2.6 Vol
Contacts:	Phospher hard temper with gold thickness options ($6\mu^{"}$, $15\mu^{"}$, $30\mu^{"}$, $50\mu^{"}$) over $50\mu^{"}$ minimum nickel on contact mating area. $100\mu^{"}$ minimum matte tin plating on soldering tail	LED Reverse Voltage: 5 Volts LED Light Intensity: 0.4 to 7 0.5 mc LED Wave Length: Yellow
Shield: LED:	Stainless steel with tin dipped tails Tin plating on LED tails	Green: Red: 6
Electrical Contact Resistance: Insulation Resistance: Current Rating: Voltage Rating: DWV:	20 mΩ maximum 500 MΩ minimum at 500V DC for 2 mins max. 1.5 Amps 125 Volts AC 1000 VAC, 60Hz. 1 minute	Mating Connector Insertion Force: Mating Connector Pull Retention F Durability: Recommended Soldering Tempera Operating Temperature:
LED Forward DC Current:	20mA typical	

.9 Volts max. @ 2mA (for single colours) .6 Volts max. @ 20mA (for bi-colours) 5 Volts minimum 0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for bi-colours) Yellow: 587± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA

5 lbs. maximum
 Force: 20 lbs. minimum
 750 mating & unmating cycles
 ature: Wave soldering peaked at 260°C
 for 5 seconds maximum
 -55°C to + 85°C

 $\mathbf{20}$

Ordering Information



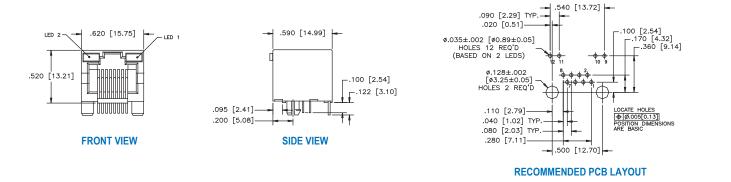
Didn't find what you were looking for?

RJESE SERIES RJ45 AND RJ11 STANDARD PROFILE

Single Port

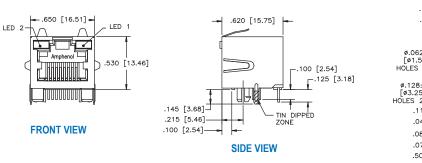
RJESE-808X-X1

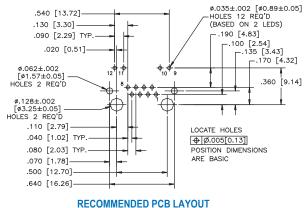
Non-Shielded



Shielded

RJESE-848X-X1



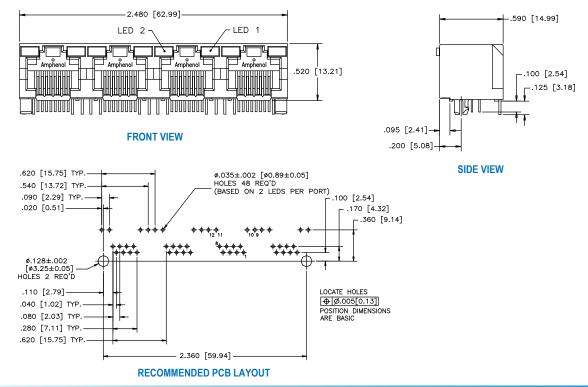


Notes

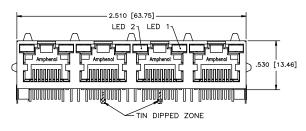
Multi Port

RJESE-808X-X4

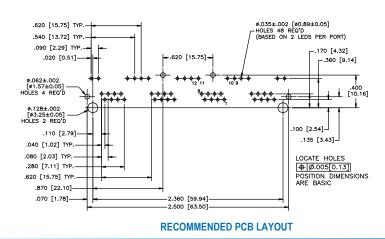




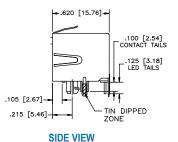
Shielded



FRONT VIEW



RJESE-838X-X4



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RJE01 SERIES

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: Insulation Resistance: Current Rating: $20~m\Omega$ maximum $500~M\Omega$ minimum at 500V DC for 2 mins max. 1.5 Amps

Voltage Rating: DWV:

UL File # : CSA File # :

Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: Durability: Reccomended Soldering Temperature:

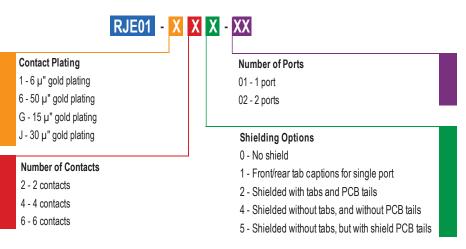
Operating Temperature:

125 Volts AC 1000 VAC, 60Hz. 1 minute

E135615 LR68598

5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles IR Reflow peaked at 260°C for 5 to 8 seconds -55°C to +85°C

Ordering Information



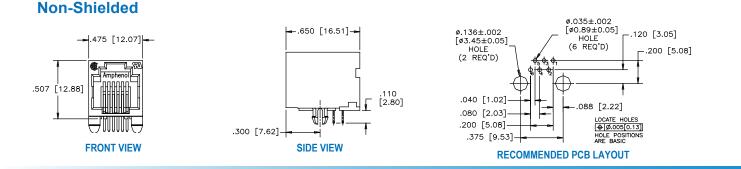
Didn't find what you were looking for?

RJE01 SERIES

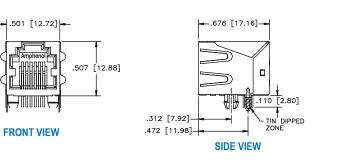
RJ11 (SIX POSITION)

RJE01-X60-01

Single Port

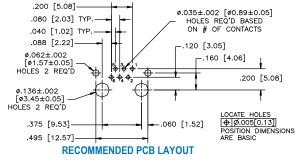


Shielded



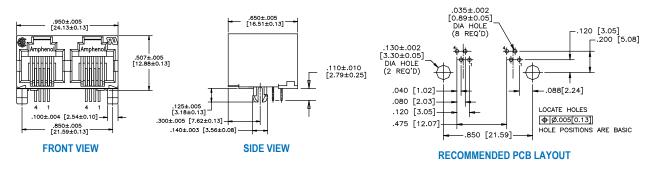


RJE01-X60-02



Multi Port

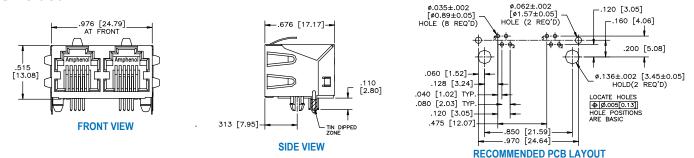
Non-Shielded



Shielded

RJE01-X62-02

24



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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 matter 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: DWV:

Mechanical

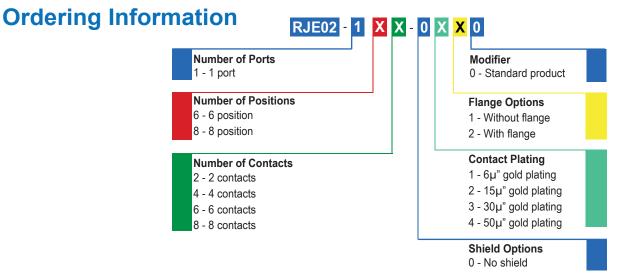
Mating Connector Insertion Force: Mating Connector Pull Retention Force: Durability: Recommended Soldering Temperature:

125 Volts AC 1000 VAC, 60 Hz. 1 minute

5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260° C for 5 seconds max. Connectors made with high temperature material are suitable for IR reflow -40°C to + 85°C

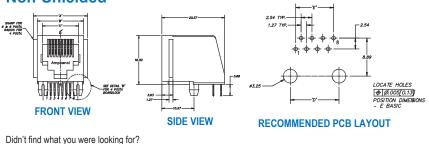
RJE02-1XX-0X20

Operating Temperature:



Single Port

Non-Shielded



PART NUMBER	NO. OF	NO. OF			DIMENSIONS		
	POSITIONS	CONTACTS	'A'	'B'	c'	0'	'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 [127]
RJE02-164-0X20	6	4	0.620[15.75]	0.520 [13.21]	0.389 [988]	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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RJE03 SERIES

SINGLE PORT LOW PROFILE

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: Voltage Rating: DWV:

Mechanical

 Mating Connector Insertion Force:
 5 lbs. maximum

 Mating Connector Pull Retention Force:
 20 lbs. minimum

 Durability:
 750 mating & un

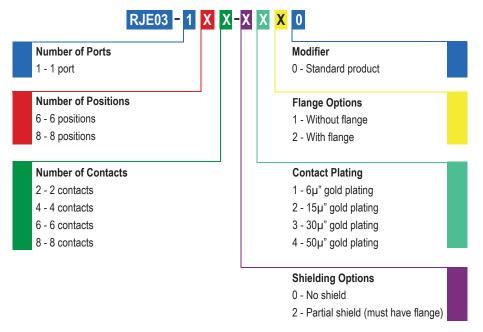
 Recommended Soldering Temperature:
 Wave soldering providered by the soldering providered by the soldering providered by the solder by the s

1.5 Amps 125 Volts AC 1000 VAC, 60 Hz. 1 minute

5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 seconds maximum *Connectors made with high temperature material are suitable for IR reflow* -40°C to + 85°C

Operating Temperature:

Ordering Information

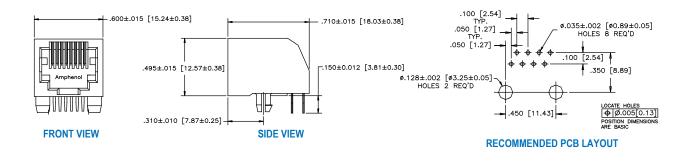


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Single Port

RJE03-188-0X10

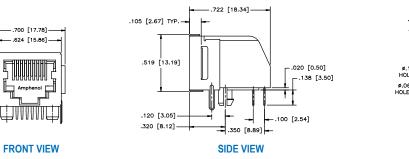
Non-Shielded



Shielded with Flange

Ę

RJE03-188-2X20



.350 [8.89] .100 [2.54] TYP. Ø.035 [Ø0.90] HOLES 8 REQ'D .050 [1.27] TYP. □.100 [2.54] .050 [1.27] 0 ø.128 [ø3.25] HOLES 2 REQ'D .350 [8.89] Ø.063 [Ø1.60] HOLES 2 REQ'D .120 [3.05] <u>ф</u> 1 LOCATE HOLES .085 [2.16] .450 [11.43] POSITION DIMENSIONS ARE BASIC — .620 [15.75] -**RECOMMENDED PCB LAYOUT**

Notes

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RJE05 SERIES

ULTRA LOW PROFILE

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

Contact Resistance:

Current Rating

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	

20 mΩ maximum

1.5 Amps

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

Voltage Rating DWV:

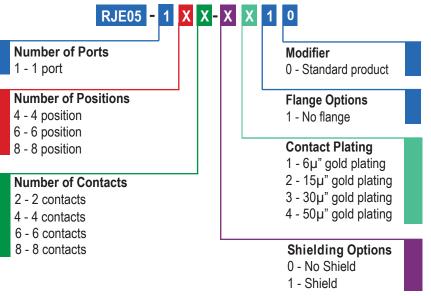
Mechanical

Mating Connector Insertion Force:5 lbs. maximumMating Connector Pull Retention Force:20 lbs. minimumDurability:750 mating & unRecommended Soldering Temperature:Wave soldering pull

Operating Temperature: UL File # : 125 Volts AC 1000 VAC, 60 Hz. 1 minute

5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 seconds maximum *Connectors made with high temperature material are suitable for IR reflow* -40°C to + 85°C E136228

Ordering Information

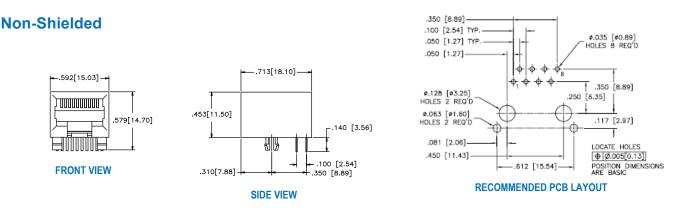


Didn't find what you were looking for?

RJE05 SERIES

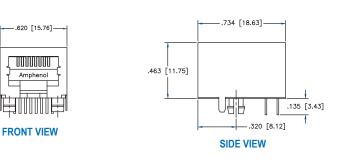
Single Port

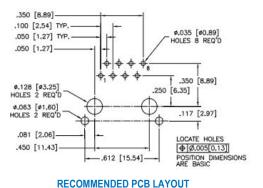
RJE05-188-0X10



RJE05-188-1X10

Shielded





Notes

RJE07 SERIES

SINGLE PORT SURFACE MOUNT

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:** Voltage Rating: DWV:

Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: 20 lbs. minimum Durability: Recommended Soldering Temperature: Reflow soldering at 260° C

Operating Temperature: UL File # :

1.5 Amps 125 Volts AC 1000 VAC, 60 Hz. 1 minute.

5 lbs. maximum 750 mating & unmating cycles for 6 to 8 seconds maximum -40°C to + 85°C E136228

Ordering Information

RJE07 - 1 X X	- <mark>X X X</mark> 0
Number of Ports 1 - 1 port	Modifier 0 - Standard product
Number of Positions 8 - 8 position 6 - 6 position	Flange Options 1 - Without flange 2 - Flanged (must be flanged for shield option)
Number of Contacts4 - 4 contacts6 - 6 contacts8 - 8 contacts	Contact Plating 1 - 6 μ" gold plating 2 - 15 μ" gold plating
Shielding Options 0 - No shield 2 - Through hole shield 3 - Surface mount shield	$3 - 30 \mu^{"}$ gold plating $4 - 50 \mu^{"}$ gold plating

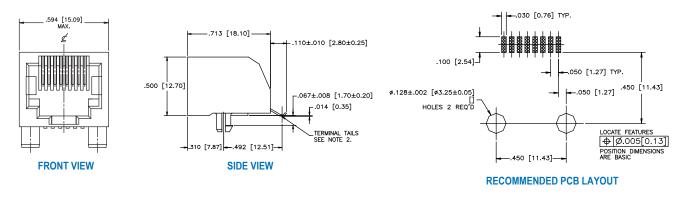
Didn't find what you were looking for?

RJE07 SERIES SINGLE PORT SURFACE MOUNT

Single Port

RJE07-188-0X10

Non-Shielded



RJE07-188-3X20

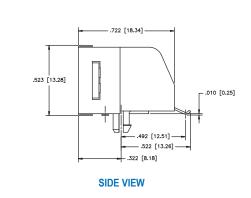


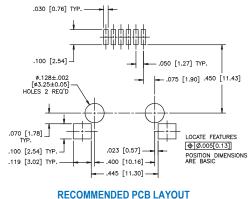
.620 [15.74]

.544 [13.83] ¢

FRONT VIEW

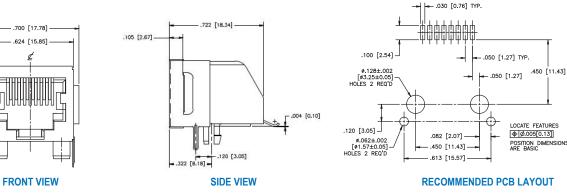
¢





Through-Hole Shield

31



RJE07-188-2X20

LOCATE FEATURES

POSITION DIMENSIONS

⊕Ø.005[0.13]

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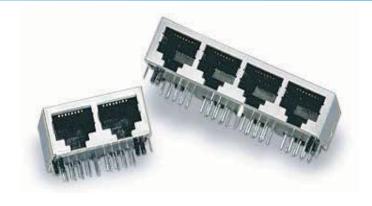
RJE09 SERIES

STANDARD PROFILE

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: Contacts:

Shield:

Electrical

Contact Resistance: Insulation Resistance: Current Rating: 25 mΩ maximum 500 MΩ minimum at 500 V DC for 2 mins max.

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.

Copper alloy; nickel plating over all

Engineering thermoplastic. Complies with

UL94V-0. Colour: Black.

Voltage Rating: DWV:

Mechanical

 Mating Connector Insertion Force:
 5 lbs. maximum

 Mating Connector Pull Retention Force:
 20 lbs. minimum

 Durability:
 750 mating & un

 Recommended Soldering Temperature:
 Wave soldering reperature

Operating Temperature: UL File # : 125 Volts AC 1000 VAC, 60 Hz. 1 minute

5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 seconds maximum Connectors made with high temperature material are suitable for IR reflow -40°C to + 85°C E136228

32

Ordering Information

1.5 Amps

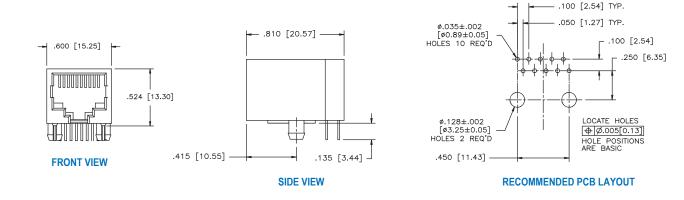
R	JE09 -	Χ	X	X -	Х	Χ	1	0
Number of Ports		J						Modifier
1 - 1 port								0 - Standard product
2 - 2 ports								
4 - 4 ports								Flange Options
6 - 6 ports								1 - No flange
8 - 8 ports								2 - With flange
								Contact Plating
Number of Positions								• •
6 - 6 position								1 - 6µ" gold plating
8 - 8 position								2 - 15µ" gold plating
A - 10 position								3 - 30µ" gold plating
				J				4 - 50µ" gold plating
Number of Contacts								
4 - 4 contacts								Shielding
6 - 6 contacts								0 - No shield
8 - 8 contacts								1 - Shield
A - 10 contacts								

Didn't find what you were looking for?

Single Port

Non-Shielded

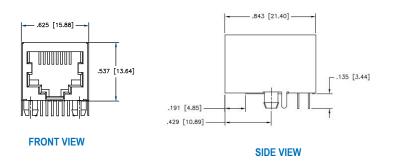
RJE09-1AA-0X10

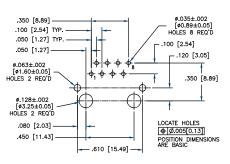


Shielded

RJE09-188-1X10

RJE09-288-0X10

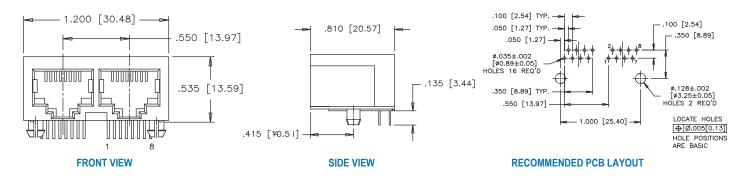




RECOMMENDED PCB LAYOUT

Multi Port

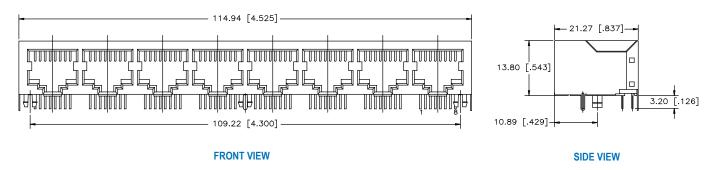
Non-Shielded

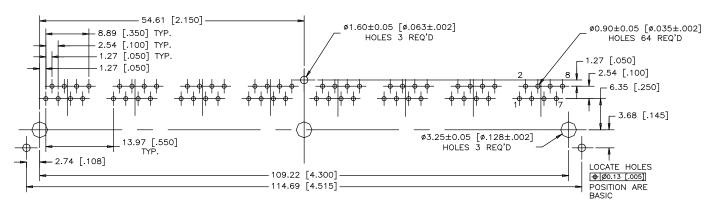


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RJE09-888-1X10

Shielded





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

Contact Resistance:

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	

25 mΩ maximum

Insulation Resistance: **Current Rating:** Voltage Rating: DWV:

1000 MΩ minimum at 500V DC for 2 mins. max. 1.5 Amps 125 Volts AC 1000 VAC. 60 Hz. 1 minute

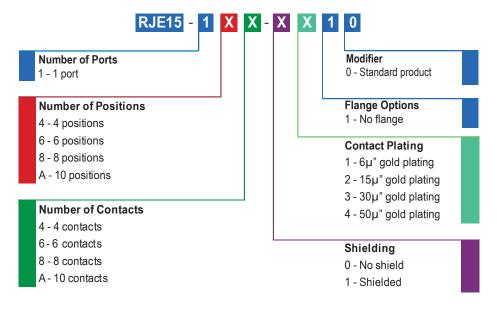
Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: 20 lbs. minimum **Durability:** Recommended Soldering Temperature: IR Reflow peaked at 260°C

5 lbs. maximum 750 mating & unmating cycles for 5 to 8 seconds maximum -40°C to + 85°C

Operating Temperature:

Ordering Information

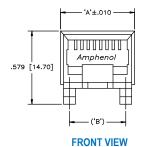


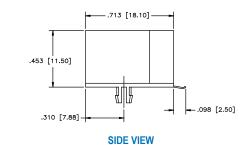
Didn't find what you were looking for?

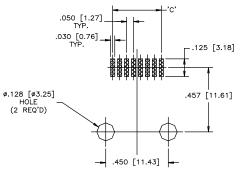
RJE15-1XX-0X10

Single Port

Non-Shielded





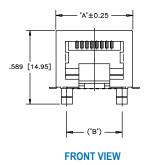


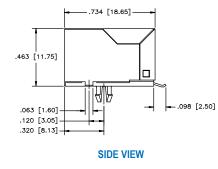
RECOMMENDED PCB LAYOUT

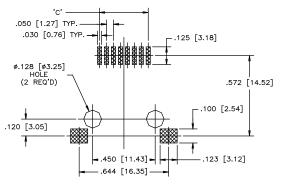
NO. OF POSITIONS	DIMENSIONS				
	'A'		'В'		'С'
4	.441	[10.43]	.300	[7.62]	.150 [<i>3.81</i>]
6	.510	[12.95]	.400	[10.16]	.250 [6.35]
8	.592	[15.04]	.450	[11.43]	.350 [8.89]
10	.620	[15.74]	.450	[11.43]	.450 [11.43]

RJE15-1XX-1X10

Shielded







RECOMMENDED PCB LAYOUT

NO. OF	DIMENSIONS				
POSITIONS	'A'	'B'	'C'		
4	.469 [11.92]	.300 [<i>7.62</i>]	.150 [<i>3.81</i>]		
6	.538 [1 <i>3.67</i>]	.400 [10.16]	.250 [<i>6.35</i>]		
8	.620 [15.74]	.450 [11.43]	.350 [<i>8.89</i>]		
10	.620 [15.74]	.450 [11.43]	.450 [11.43]		

JULE 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:

Contacts: Plating:

Shield:

37

Electrical

Contact Resistance: Insulation Resistance:

Current Rating:

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

 $20 \text{ m}\Omega$ maximum 500 MΩ minimum at 500V DC for 2 minutes maximum 1.5 Amps

Voltage Rating: DWV:

Mechanical

Mating Connector Insertion Force: 5 lbs. maximum Mating Connector Pull **Retention Force: Durability: Recommended Soldering** Temperature:

Operating Temperature: UL File # :

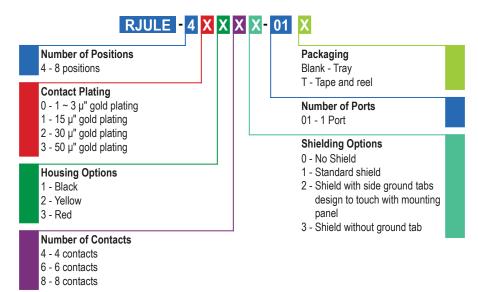
125 Volts AC 1000 VAC, 60 Hz. 1 minute

20 lbs. minimum 750 mating & unmating cycles

IR Reflow peaked at 260°C for for 5 to 8 seconds maximum

-55°C to +85°C E135615

Ordering Information



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

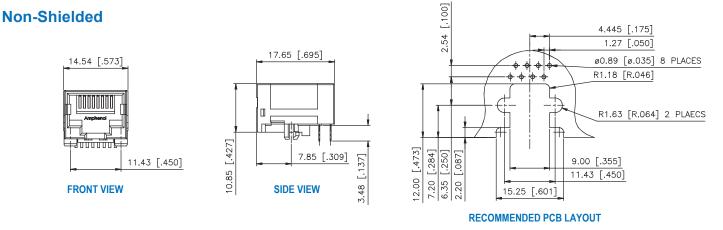


RJULE SERIES

RECESSED, LOW PROFILE

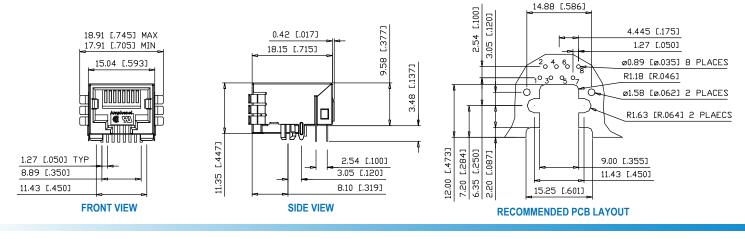
Single Port

RJULE-4X180-01



RJULE-4X182-01

Shielded with Side Ground Tabs

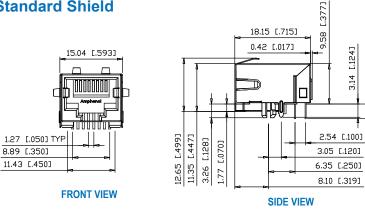


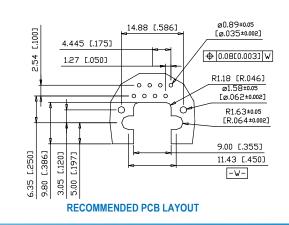
[.137]

3.48

Single Port

Standard Shield





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RJULE-4X181-01

RJE56 SERIES RI45 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:

Contacts:

Shield:

Electrical

Contact Resistance: **Insulation Resistance:**

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

Current Rating: Voltage Rating: DWV:

Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: 20 lbs. minimum **Durability:** Recommended Soldering Temperature: IR Reflow peaked at 260°C

1.5 Amps 125 Volts AC 1000 VAC, 60 Hz. 1 min.

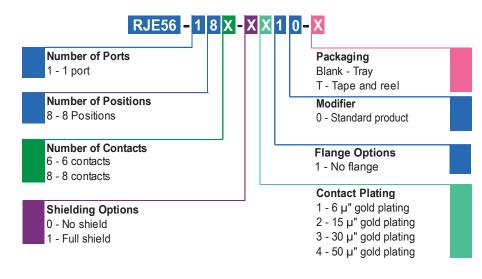
5 lbs. maximum 750 mating & unmating cycles for 5 to 8 seconds maximum -40°C to +70°C

Operating Temperature:

Ordering Information

20 mΩ maximum

500 MΩ minimum



Didn't find what you were looking for?

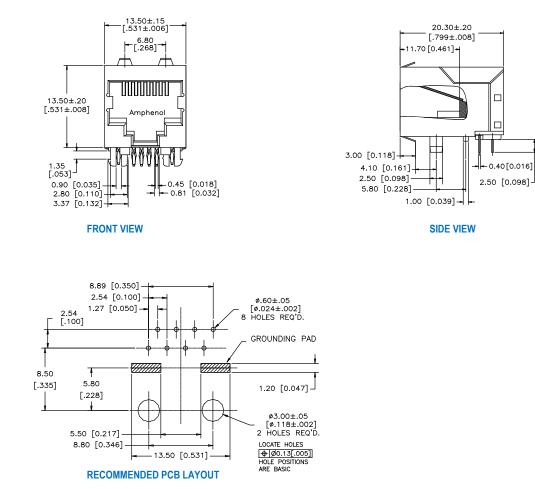
Please contact sales@amphenolcanada.com and let us know what you need.

RJE56 SERIES RECESSED, LOW PROFILE

RJE56-188-1X10

Single Port

Shielded



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

Shield:

LED:

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

Tin plating on LED tails

Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: Durability: Recommended Soldering Temperature:

5 lbs. maximum

20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260°C 5 seconds maximum Connectors without LEDs are suitable for IR reflow

Operating Temperature: Electrical **Contact Resistance:** Insulation Resistance:

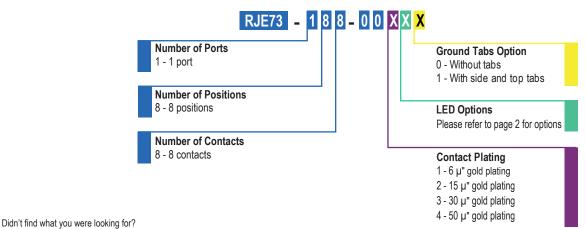
Current Rating: Voltage Rating: DWV LED Forward DC Current: LED Forward Voltage: LED Reverse Voltage: LED Light Intensity: LED Wave Length:

UL File # :

-55°C to + 85°C

20 mΩ maximum 500 MΩ minimum at 500V DC for 2 minutes maximum 1.0 Amps 125 Volts AC 1000 VAC, 60 Hz. 1 minute 20mA typical 1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours) 5 Volts minimum 0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours) Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA E135615

Ordering Information



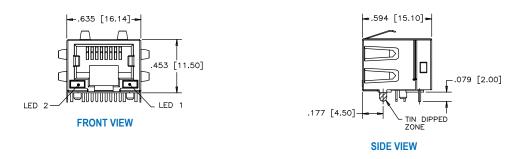
Please contact sales@amphenolcanada.com and let us know what you need.

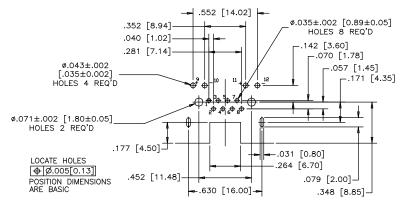


Single Port

RJE73-188-004XX1

Shielded





RECOMMENDED PCB LAYOUT



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

Current Rating:

Insulator:	Engineering thermoplastic. Complies with
	UL94V-0. Colour: Black.
Contacts:	Phosphor bronze hard temper with gold thickness options ($6\mu^{"}$, $15\mu^{"}$, $30\mu^{"}$, $50\mu^{"}$) over $50\mu^{"}$ minimum nickel on contact mating area. $100\mu^{"}$ minimum matte tin or gold flash plating on tail area.
Sheild:	Copper alloy; nickel plating over all.
Electrical	
Contact Resistance: Insulation Resistance:	20 m Ω maximum 500 M Ω minimum at 500V DC for 2 mins max.

500 M Ω minimum at 500V DC for 2 mins max. 1.5 Amps

Voltage Rating: DWV:

Electrical

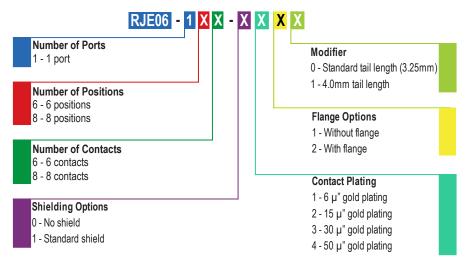
Mating Connector Insertion Force: Mating Conenctor Pull Retention Force: 20 lbs. minimum **Durability: Recommended Soldering Temperature:**

Operating Temperature: UL File # :

125 Volts AC 1000 VAC, 60 Hz. 1 minute.

5 lbs. maximum 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 seconds maximum Connectors made with high temperature material are suitable for IR reflow -40°C to + 85°C E136228

Ordering Information



Didn't find what you were looking for?

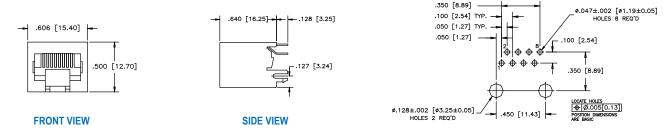
Please contact sales@amphenolcanada.com and let us know what you need.

RJE06 SERIES SINGLE PORT SLIM PROFILE

RJE06-188-0X10

Single Port

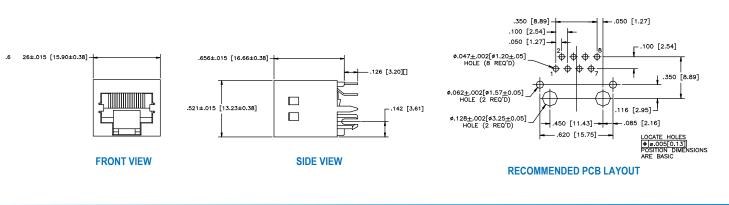
Non-Shielded



RECOMMENDED PCB LAYOUT

RJE06-188-1X10





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:

Contacts:

Engineering thermoplastic. Complies with UL94V-0. Colour: Black. 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: Insulation Resistance: Current Rating:

25 mΩ maximum 500 MΩ minimum at 500V DC for 2 minutes max. 1.5 Amps

Voltage Rating: DWV:

Mechanical

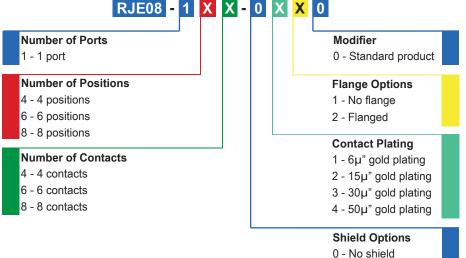
Mating Connector Insertion Force: 5 lbs. maximum Mating Connector Pull **Retention Force: Durability: Recommended Soldering Temperature:**

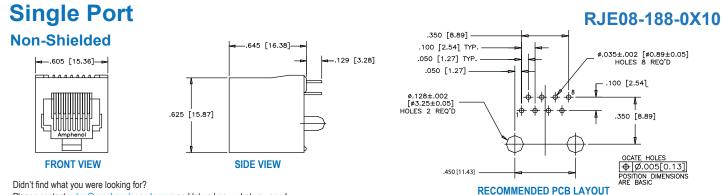
Operating Temperature: UL File # :

125 Volts AC 1000 VAC, 60 Hz. 1 minute

20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 seconds maximum Connectors made with high temperature material are suitable for IR reflow -40°C to + 85°C E136228

Ordering Information





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

45

RJE23 SERIES SINGLE PORT SURFACE MOUNT

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:	Phospho options (nickel on	or bronze hard temper with gold thickness 6μ", 15μ", 30μ", 50μ") over 50μ" minimum i contact mating area. 100μ" minimum matte nickel on soldering tail.	
Hold Down:	Copper alloy; matte tin plating		
Coplanarity:	Maximum gap between all terminal tails is .004"		
Electrical Contact Resistand Insulator Resistan		20 m Ω maximum 500 M Ω minimum at 500V DC for 2 mins. max.	

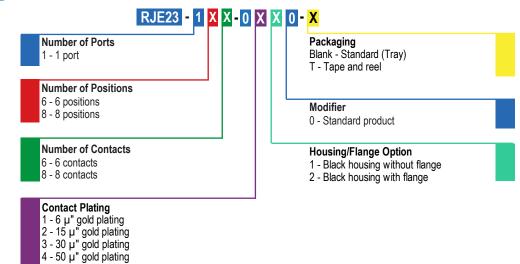


Current Rating: 1.5 Amps Voltage Rating: 125 Volts AC 1000 VAC, 60 Hz. 1 minute

5 lbs. maximum

20 lbs. minimum 750 mating & unmating cycles IR Reflow peaked at 260°C for 5 to 8 seconds maximum -40°C to +70°C

Ordering Information



DWV:

Mechanical **Mating Connector Insertion Force:**

Durability:

Temperature:

Mating Connector Pull **Retention Force:**

Recommended Soldering

Operating Temperature:

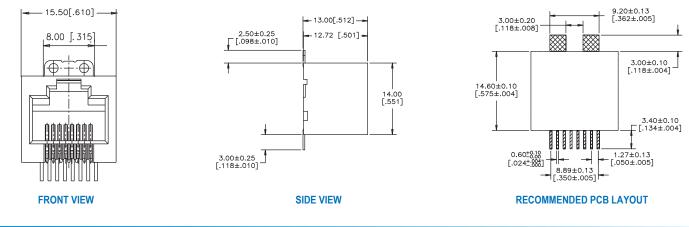
Didn't find what you were looking for? Please contact sales@amphenolcanada.com and let us know what you need.

RJE23 SERIES SINGLE PORT SURFACE MOUNT

Single Port

RJE23-188-0X10





RJE74 SERIES SINGLE PORT

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 Voltage Rating: 125 Volts AC with UL 94V-0. Colour: Black. DWV: Contacts: Phosphor bronze hard temper with 30µ" minimum gold thickness over 50µ" minimum Mechanical nickel on contact mating area. 100µ" Mating Connector minimum matte tin plating on soldering tail. Insertion Force: Shield: Stainless steel; pure tin dipped tails **Mating Connector** LED: Tin plating on LED tails Pull Retention Force: **Durability:** Electrical **Recommended Soldering Contact Resistance:** 20 mΩ maximum Temperature: Insulation Resistance: 500 MΩ minimum at 500V DC for **Operating Temperature:** 2 minutes maximum UL File # : **Current Rating:** 1.5 Amps

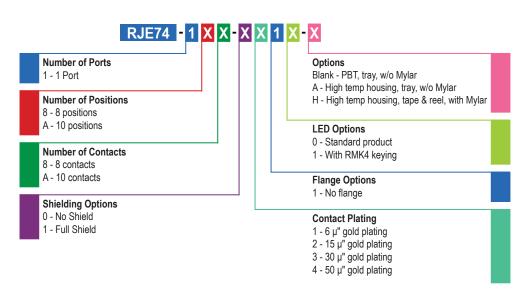
1000 VAC, 60 Hz. 1 minute

5 lbs. maximum

20 lbs. minimum 750 mating & unmating cycles IR Reflow peaked at 260°C for 5 to 8 seconds maximum -55°C to +85°C

E135615

Ordering Information



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

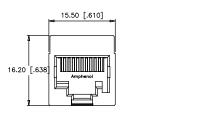
RJE74 SERIES

Single Port

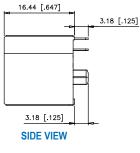
RJE74-1AA-0X11

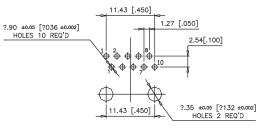
RJE74-1AA-1X11

Non-Shielded



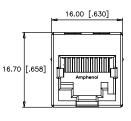
FRONT VIEW



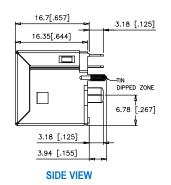


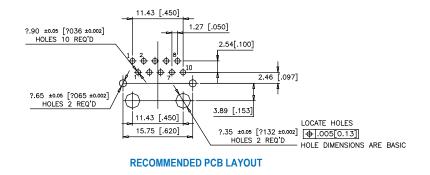
RECOMMENDED PCB LAYOUT

Shielded



FRONT VIEW





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

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** Wave soldering peaked at 260°C for 5 seconds maximum **Temperature:** Connectors without LEDs are suitable for IR reflow UL File # : **Operating Temperature:** -55°C to +85°C

Electrical

Contact Resistance: Insulation Resistance:

Current Rating: Voltage Rating: DWV LED Forward DC Current: LED Forward Voltage:

LED Reverse Voltage: LED Light Intensity:

LED Wave Length:

CSA File # :

20 mΩ maximum 500 M Ω minimum at 500V DC for 2 minutes maximum 1.5 Amps 125 Volts AC 1000 VAC, 60 Hz. 1 minute 20mA typical 1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours) 5 Volts minimum 0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours) Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA E135615 150190

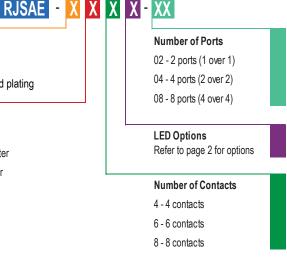
Ordering Information

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



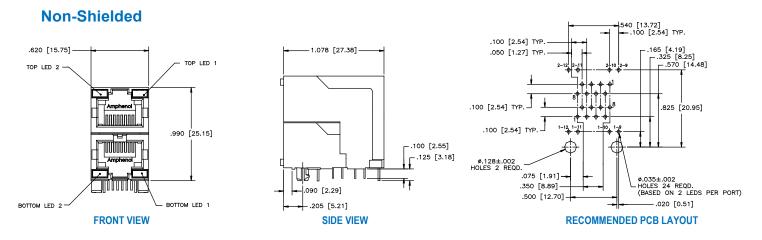
Didn't find what you were looking for? Please contact sales@amphenolcanada.com and let us know what you need.



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

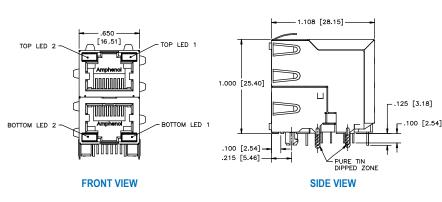
Single Port

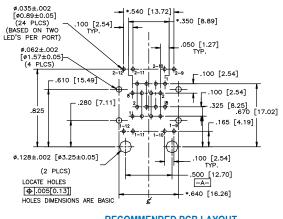
RJSAE-508X-02



RJSAE-538X-02

Shielded



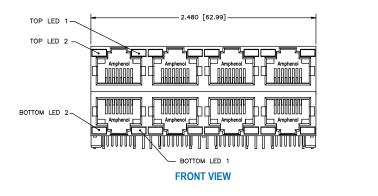


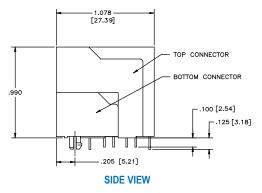
Multi Port



RJSAE-508X-08

Non-Shielded

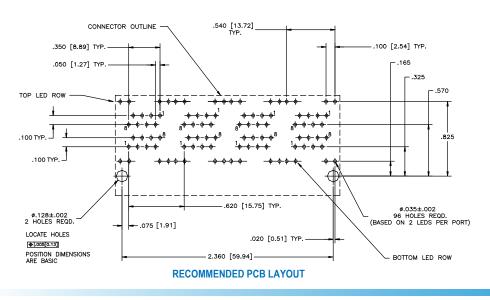


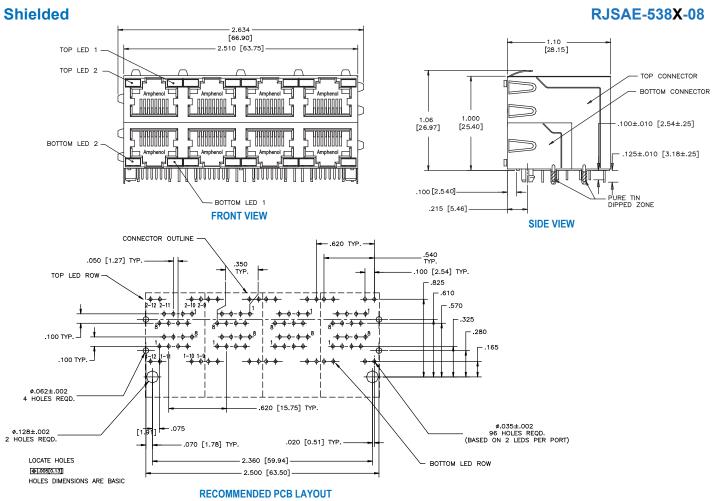


2, 4, AND 8 PORTS WITH LEDS AND SHIELD OPTIONS

RJSAE-508X-08

Multi Port





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

	Operating Temperature:	-55°C to +85°C
High temperature engineering thermoplastic.	Electrical	
•	Contact Resistance:	20 mΩ maximum
ness options (6µ", 15µ", 30µ", 50µ") over 50µ"	Insulation Resistance:	500 MΩ minimum at 500V DC for
	Current Rating	2 minutes maximum 1.5 Amps
	•	125 Volts AC
or stainless steel with tin dipped tail.	DWV:	1000 VAC, 60 Hz. 1 minute
Pure tin plating on LED tail.	LED Forward DC Current:	20mA typical
	LED Forward Voltage:	1.9 Volts maximum @ 2mA (for single colours)
	I ED Povorso Voltago:	2.6 Volts maximum @ 2mA (for bi-colours) 5 Volts minimum
5 lbs. maximum	•	0.4 to 1.5 mcd @ 2mA (for single colours)
		0.5 mcd minimum @ 2mA (for bi-colours)
20 lbs. minimum	LED Wave Length:	Yellow: 587 ± 7 nm measured @ 20mA
750 mating & unmating cycles		Green: 565 ± 6 nm measured @ 20mA
01		Red: 625 ± 5 nm measured @ 20mA
Connectors without LEDs are suitable for IR reflow	UL File # :	E135615
	Complies with UL94V-0.Colour: Black. Phosphor bronze hard temper with gold thick- ness options (6µ", 15µ", 30µ", 50µ") over 50µ" minimum matket on contact mating area. 100µ" minimum matte tin plating on soldering tail. Copper alloy, nickel plated with tin dipped tail or stainless steel with tin dipped tail. Pure tin plating on LED tail. 5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 seconds maximum	 High temperature engineering thermoplastic. Complies with UL94V-0.Colour: Black. 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. Copper alloy, nickel plated with tin dipped tail or stainless steel with tin dipped tail. Pure tin plating on LED tail. 5 lbs. maximum 20 lbs. minimum 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 seconds maximum Electrical Contact Resistance: Insulation Resistance: Current Rating: Voltage Rating: DWV: LED Forward DC Current: LED Forward Voltage: LED Reverse Voltage: LED Light Intensity: LED Wave Length:

Oneveting Temperatures

Ordering Information

Version	·		Number of Ports
5 - 8 position, 50 μ" gold plating D - 8 position, 6 μ" gold plating			8 - 8 Ports (4 over 4)
G - 8 position, 15 μ " gold plating J - 8 position, 15 μ " gold plating J - 8 position, 30 μ " gold plating			Special Identifier 0 - Standard A - Contact tail, 0.130", ± 0.10"
Shield Options 0 - No shield			
3 - Shield with top and side tabsF - Shield, without top and side tabs			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?

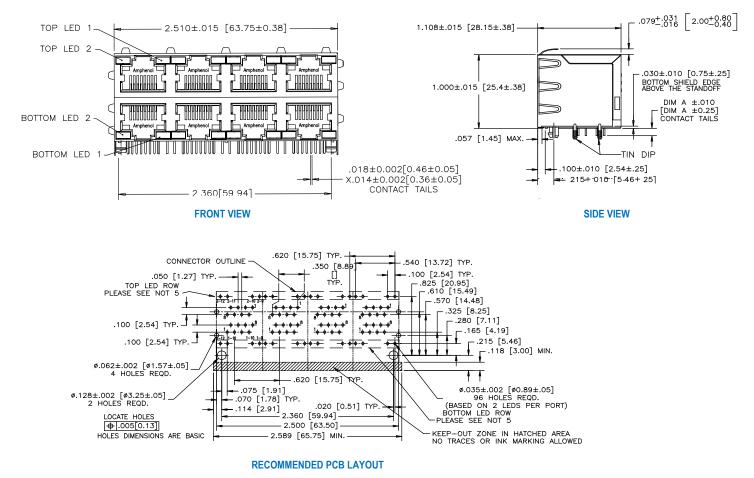
Please contact sales@amphenolcanada.com and let us know what you need.

RJSNE SERIES 4 OVER 4 PORTS WITH LED AND SHIELD OPTIONS

RJSNE-538X-X8

Multi Port

Shielded





Right Angled, Recessed, Low Profile

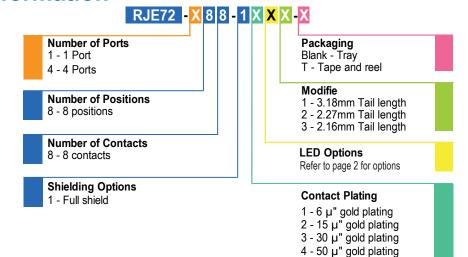
The RJE72 of Modular Jacks meet category CAT5e performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.

Specifications

Material

Insulator: High temperature thermoplastic; complies **Operating Temperature:** -40°C to +85°C with UL 94V-0. Colour: Black. Contacts: Phosphor bronze hard temper with gold Electrical thickness options (6µ", 15µ", 30µ", 50µ") Contact Resistance: 20 mΩ maximum over 50µ" minimum nickel on contact mating Insulation Resistance: 500 MΩ minimum at 500V DC for area. 100µ" minimum matte tin on solder tails. 2 minutes maximum Shield: Stainless steel with tin dipped tails **Current Rating:** 1.25 Amps I FD: Steel with tin plating on LED tails. Epoxy lens. Voltage Rating: 125 Volts AC Mechanical DWV 1000 VAC, 60 Hz. 1 minute LED Forward DC Current: 20mA typical **Mating Connector** 1.9 Volts maximum @ 2mA (for single colours) LED Forward Voltage: Insertion Force: 5 lbs. maximum LED Reverse Voltage: 5 Volts minimum Mating Connector Pull LED Light Intensity: 0.4 to 1.5 mcd @ 2mA (for single colours) **Retention Force:** 20 lbs. minimum Yellow: 587 ± 7 nm measured @ 20mA LED Wave Length: Durability: 750 mating & unmating cycles Green: 565 ± 6 nm measured @ 20mA Recommended Soldering Temperature: IR reflow peaked at 260°C for Red: 625 ± 5 nm measured @ 20mA 5 to 8 seconds IR reflow is not recommended for connectors with LEDs UL File # : E135615

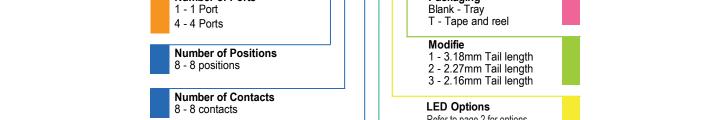
Ordering Information



Didn't find what you were looking for?

55

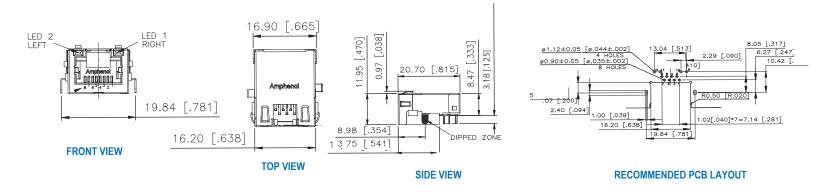
Please contact sales@amphenolcanada.com and let us know what you need.



RJE72-188-1XX1

Single Port

Shielded

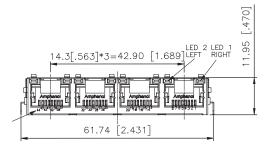


Multi Port

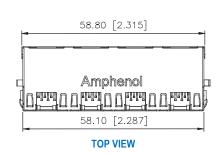
RJE72-488-1XX1

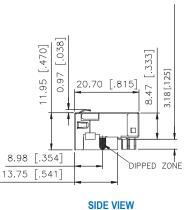
56

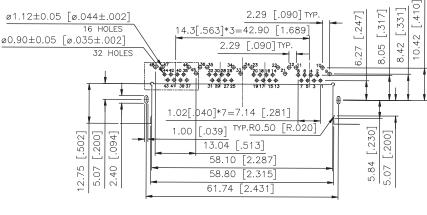




FRONT VIEW







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:

Contacts:

Shield: LED:

Mechanical

 Mating Connector Insertion Force:
 5 lbs. maximum

 Mating Connector Pull
 20 lbs. minimum

 Retention Force:
 20 lbs. minimum

 Durability:
 750 mating & unmating cycles

 Recommended Soldering
 IR reflow peaked at 260°C

 Temperature:
 for 5 to 8 seconds

 IR reflow is not recommended for connectors

with LEDs

High temperature thermoplastic; complies with UL 94V-0. Colour: Black. 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 Stainless steel with tin dipped tails Tin plating on LED tails **Operating Temperature:**

Electrical

Contact Resistance: Insulation Resistance: Current Rating: Voltage Rating: DWV: LED Forward DC Current: LED Forward Voltage: Packaging LED Reverse Voltage: LED Light Intensity:

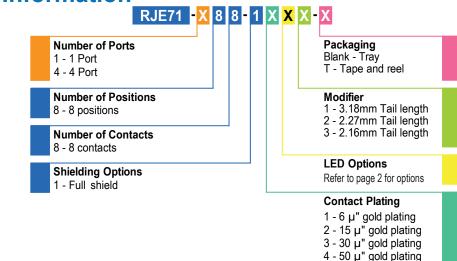
LED Wave Length:

20 mΩ maximum

-40°C to +85°C

500 MΩ minimum at 500V DC for 2 mins max. 1.25 Amps 125 Volts AC 1000 VAC, 60 Hz. 1 minute 20mA typical 1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours) 5 Volts minimum 0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours) Yellow: 587 \pm 7 nm measured @ 20mA Green: 565 \pm 6 nm measured @ 20mA Red: 625 \pm 5 nm measured @ 20mA

Ordering Information



Didn't find what you were looking for?

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

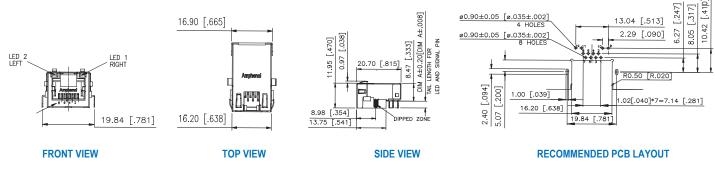




RJE71-188-1X1X

Single Port

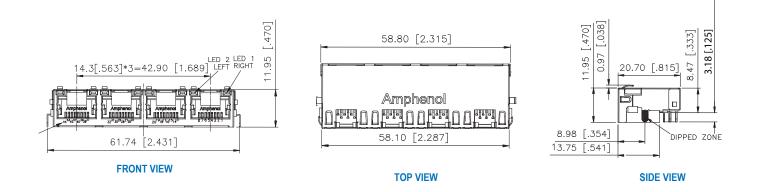
Shielded

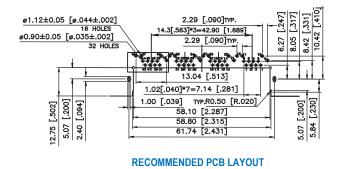


Multi Port

RJE71-488-1XXX

Shielded





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: Insulation Resistance: Current Rating:	$20\ m\Omega$ maximum $500\ M\Omega$ minimum at 500V DC for 2 minutes max. 1.5 Amps

Voltage Rating: DWV

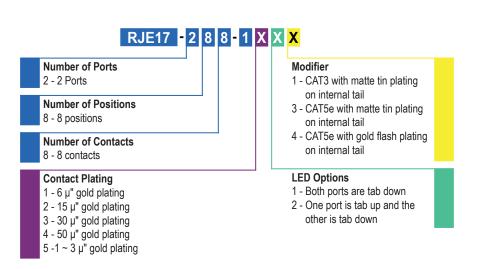
Mechanical

Mating Connector Insertion Force: Mating Connector Pull Retention Force: 20 lbs. minimum **Durability: Operating Temperature:**

125 Volts AC 1000 VAC, 60 Hz. 1 minute

5 lbs. maximum 750 mating & unmating cycles -40°C to + 85°C

Ordering Information



Didn't find what you were looking for?

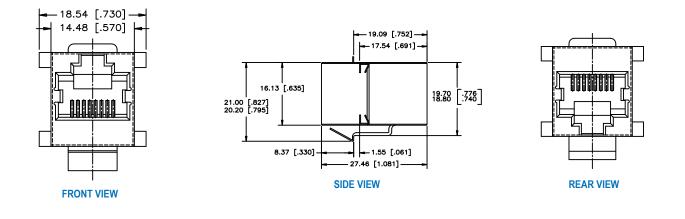
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Single Port

RJE17-288-1X21

60







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 GDCX-PN-64
 GDCX-PN-64

 PN-66
 GDCX-PN-66-50
 GDLX-A-66
 GDLX-A-88
 GDLX-N-66
 GDLX-S-88K
 GDTX-S-88-50
 GDX-PA-1010
 GLX-A-44
 GLX-N

 1010M-BLK
 GLX-N-44M
 GLX-S-88M-BLK
 GMX-N-1010
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 GMX-SMT4-N-88
 GPX-2-64
 GRT1-BT1-5
 GSGX-N-2-88
 GSX-NS2-88-3.05
 GSX-NS2-88-3.05-50
 GSX-NS-88-3.05-30

 GSX-NS-88-3.05-50
 GSX-NS-88-3.68
 1-1775629-2
 GWLX-S-88-GR
 GWLX-S9-88-YG
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 1300500227
 1300530003

 1300570002
 1324640-4
 RJ11FTVC20
 RJFTVX2SA1G
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