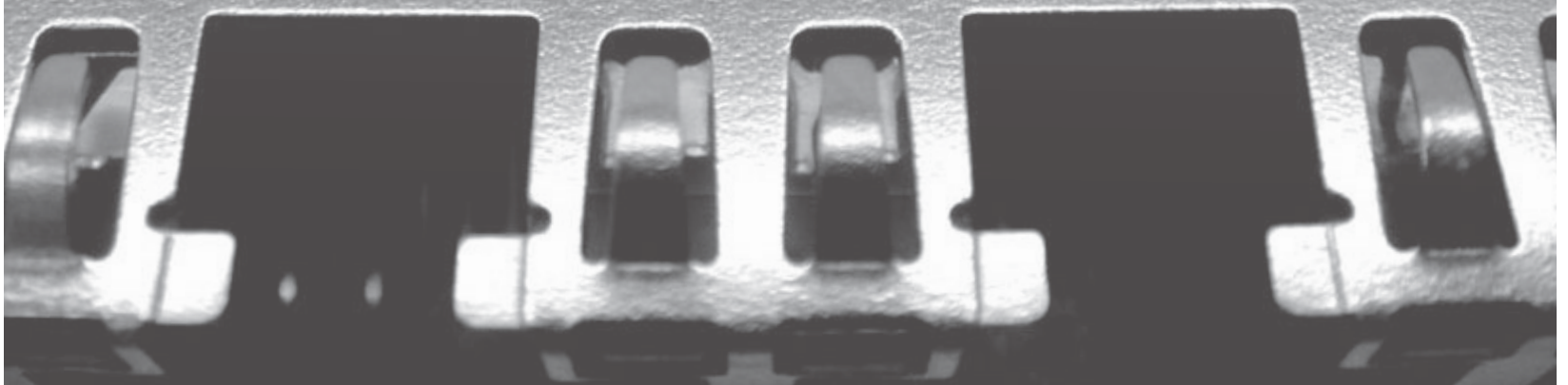


# Modular Jacks



Amphenol



**Amphenol<sup>®</sup>**  
*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 user 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-sub and micro-ribbon), and rugged connectors (RJ, USB, D-sub, 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](mailto:sales@amphenolcanada.com).

## Contents

### *Right Angle (Side Entry)*

EMI Quiet with LEDs	RJHS	<b>3-6</b>
Surface Mount with Light Pipes	RJSSE	<b>7-9</b>
1, 2, and 4 Port with LEDs	RJSBE	<b>10-12</b>
Filtered and Shielded	FRJAE	<b>13-15</b>
RJ45 Surface Mount with LEDs	RJCSE	<b>16-17</b>
Surface Mount Ultra Low Profile	RJLSE	<b>18-19</b>
RJ45 and RJ11 Standard Profile	RJESE	<b>20-22</b>
RJ11 (Six Position)	RJE01	<b>23-24</b>
Single Port High Profile	RJE02	<b>25</b>
Single Port Low Profile	RJE03	<b>26-27</b>
Ultra Low Profile	RJE05	<b>28-29</b>
Single Port Surface Mount Standard Profile	RJE07	<b>30-31</b>
Single Port Low Profile	RJE09	<b>32-34</b>
Single Port Low Profile Recessed, Low Profile	RJE15	<b>35-36</b>
RJ45 Press Fit	RJULE	<b>37-38</b>
RJ45 with LEDs	RJE56	<b>39-40</b>
	RJE73	<b>41-42</b>

### *Vertical (Top Entry)*

EMI Quiet with LEDs	RJHS	<b>3-6</b>
Single Port Slim Profile	RJE06	<b>43-44</b>
Single Port Standard Profile	RJE08	<b>45</b>
Single Port Surface Mount	RJE23	<b>46-47</b>
Single Port	RJE74	<b>48-49</b>

### *Stacked*

2, 4, and 8 Ports with LEDs and Shield Options	RJSAE	<b>50-52</b>
4 Over 4 Ports with LEDs and Shield Options	RJSNE	<b>53-54</b>

### *Category 5e*

Right Angled, Recessed, Low Profile	RJE72	<b>55-56</b>
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### *Category 6*

Right Angled, Recessed, Low Profile	RJE71	<b>57-58</b>
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### *Accessories*

RJ45 Coupler	RJE17	<b>59-60</b>
RJ45 Dust Cover*	FRJ - 2411	
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](http://www.amphenolcanada.com) or email [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com)























# LED OPTIONS

LED OPTIONS FOR RJHS, RJSE, RJE72, RJE73, RJSAE, RJSBE, AND RJSNE

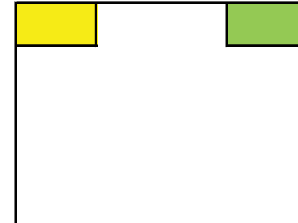
## LED Designation

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

LED 2



LED 1

Other LED options are available. If you do not see what you're looking for, please email [sales@amphenolcanada.com](mailto: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 built-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

<b>Shield:</b>	Stainless steel or copper alloy; Nickel plated
<b>Contacts:</b>	Phosphor bronze; Gold over nickel
<b>Housing:</b>	High temperature thermoplastic complies with UL 94V-0, black colour
<b>LED:</b>	Steel with tin plating on LED tail. Epoxy lens

### Electrical

<b>Contact Resistance:</b>	20 milliohms maximum
<b>Insulation Resistance:</b>	500 megohms minimum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>Dielectric Withstanding Voltage:</b>	1000 VAC, RMS. 60Hz. 1 minute

### Standard LEDS: For 5.0 V Systems

Forward Voltage:	2.1 Volts Typical
Reverse Voltage:	6.0 Volts minimum
Luminous Intensity:	0.5 mCd minimum (at If = 2mA)

### Low Current LEDS: For 3.3 V Systems

Forward Voltage:	2.0 Volts Typical
Reverse Voltage:	6.0 Volts minimum
Luminous Intensity:	1.0 mCd minimum (at If = 2mA)

### Other Parameters:

Operating Temperature:	-55 °C to 85 °C
Lead Soldering Temperature:	260 °C (5 sec)

<b>UL File # :</b>	E135615
<b>CSA File # :</b>	LR68598

## Ordering Information

RJHSX - 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

### 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

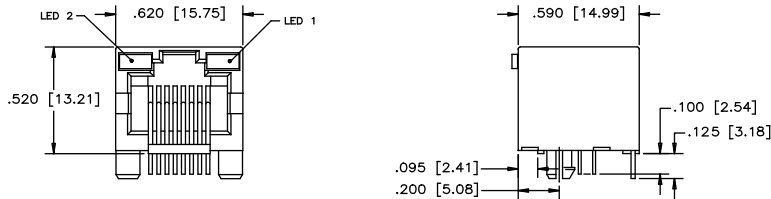
4 - 4 contacts  
6 - 6 contacts  
8 - 8 contacts

Didn't find what you were looking for?  
Please contact [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com) and let us know what you need.

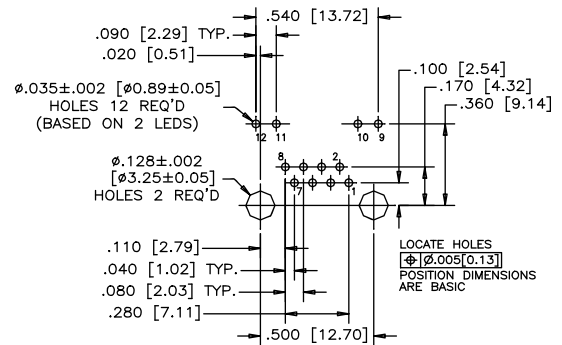
## Single Port

RJHSE-5081

### Non-Shielded

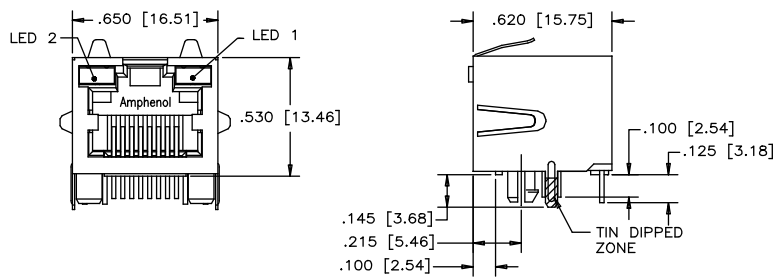


### PCB Layout

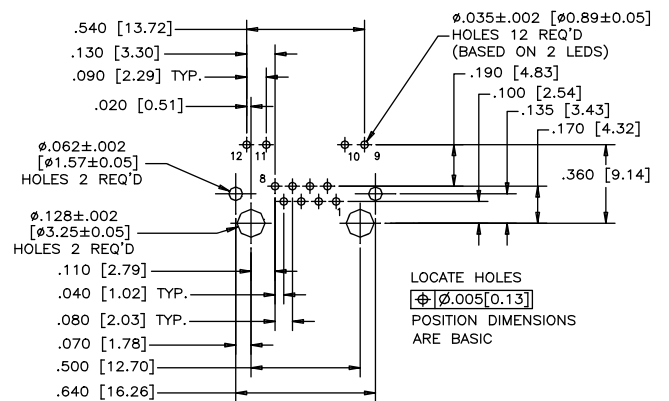


RJHSE-5481

## Shielded - With Top & Side Ground Tabs



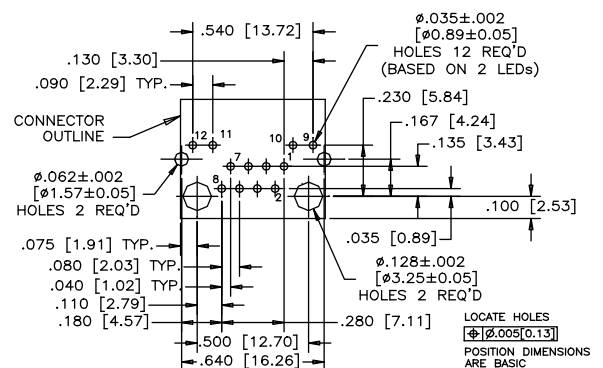
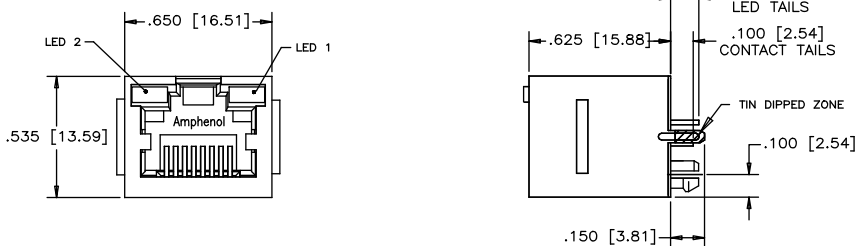
### PCB Layout



RJHSE-3381

## Vertical Mount

### PCB Layout



# RJHS SERIES

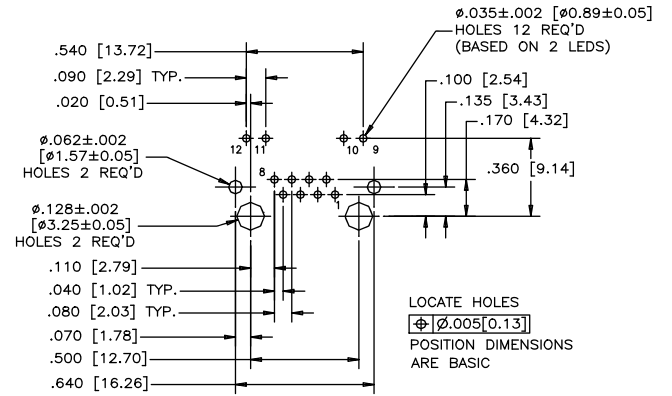
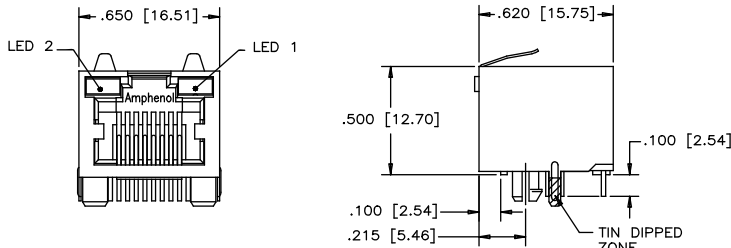
EMI QUIET WITH LEDS

## Single Port

RJHSE-L381

Low Profile

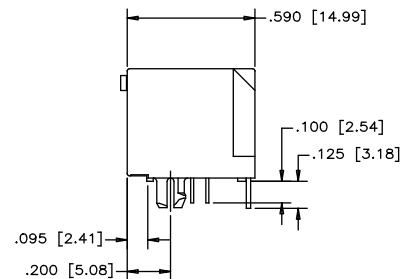
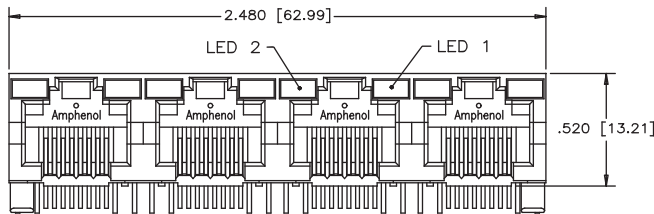
PCB Layout



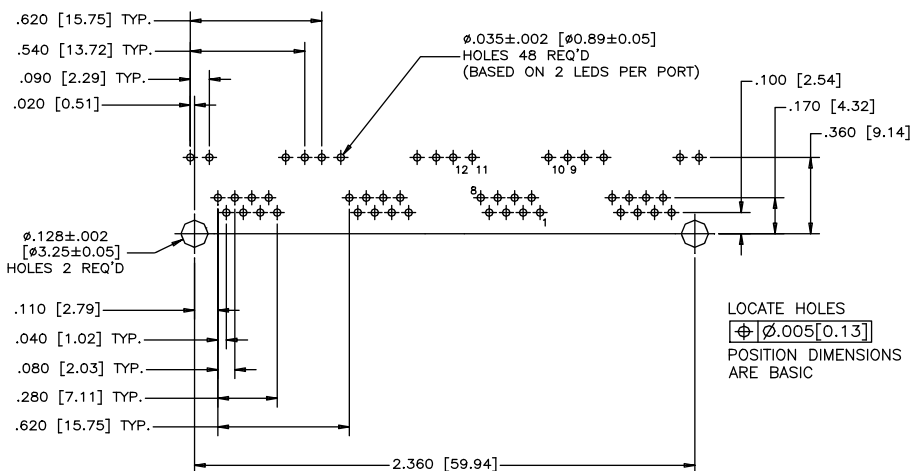
## Multi Port

RJHSE-5081-04

Non-Shielded



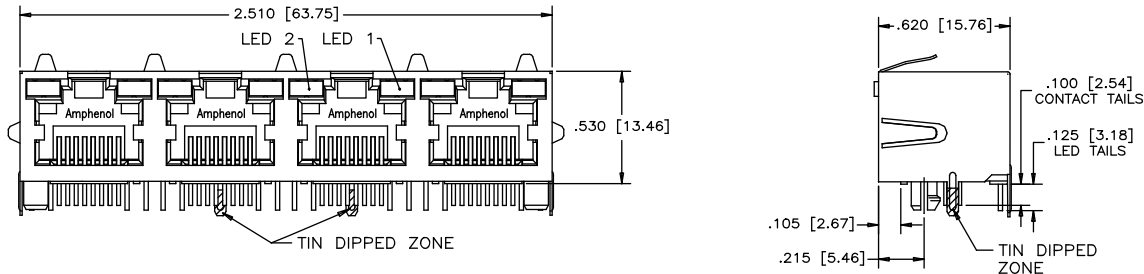
PCB Layout



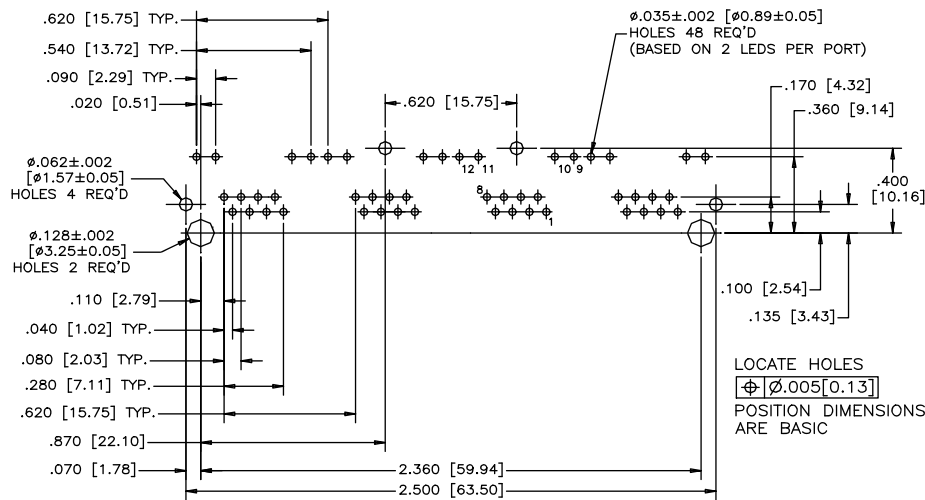
## Multi Port

RJHSE-5381-04

### Shielded



### PCB Layout



### Notes

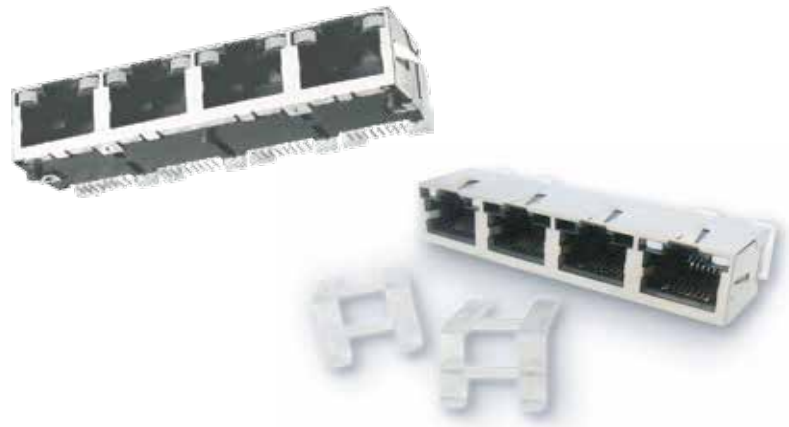
# RJSSE SERIES

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 light pipe option.



## Specifications

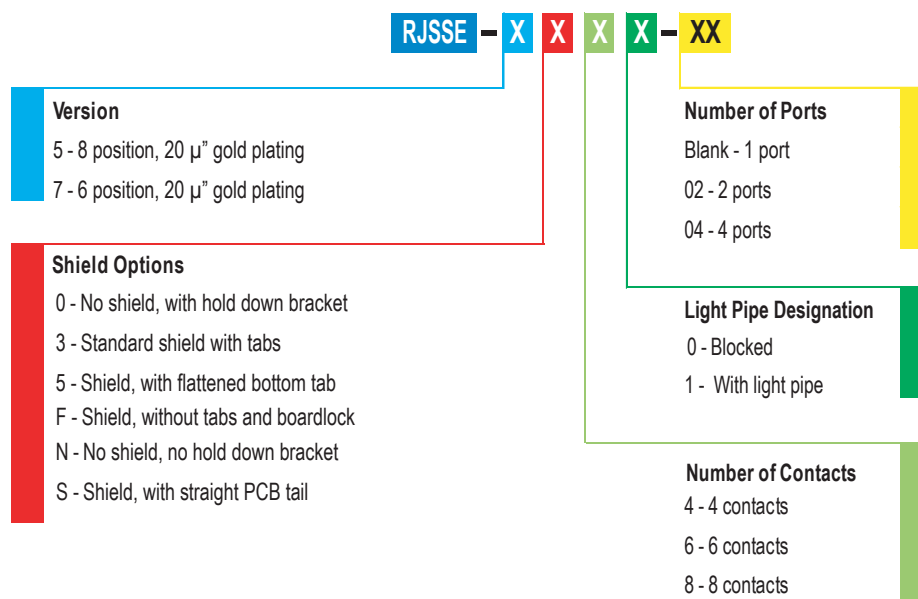
### Material

<b>Insulator:</b>	High temperature thermoplastic complies with UL 94V-0, black colour
<b>Shield:</b>	Copper alloy; Nickel plated or matte-tin
<b>Contacts:</b>	Phosphor bronze hard temper selective plated gold. Over 50 $\mu$ " minimal nickel. 100 $\mu$ " minimal matte-tin soldering tail.
<b>Light Pipe:</b>	Clear polycarbonate complies with UL 94V-0

### Electrical

<b>Contact Resistance:</b>	20 milliohms maximum
<b>Insulation Resistance:</b>	500 megohms minimum at 500VDC for 2 minutes maximum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>Dielectric Withstanding Voltage:</b>	1500 VAC, RMS. 60Hz. 1 minute
<b>UL File # :</b>	E135615

## Ordering Information



Didn't find what you were looking for?  
Please contact [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com) and let us know what you need.

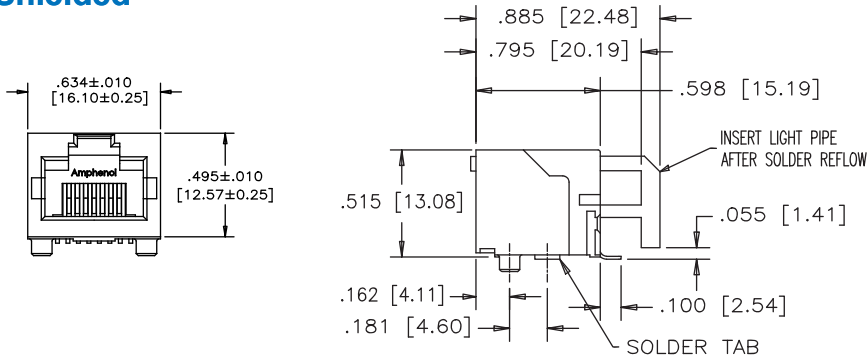
# RJSSE SERIES

SURFACE MOUNT WITH LIGHT PIPES

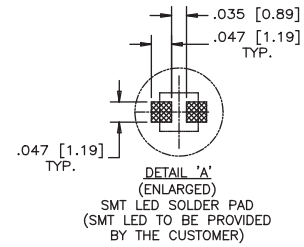
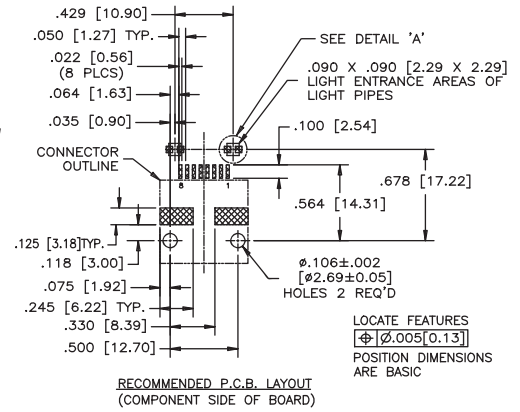
## Single Port

RJSSE-5081

### Non-Shielded

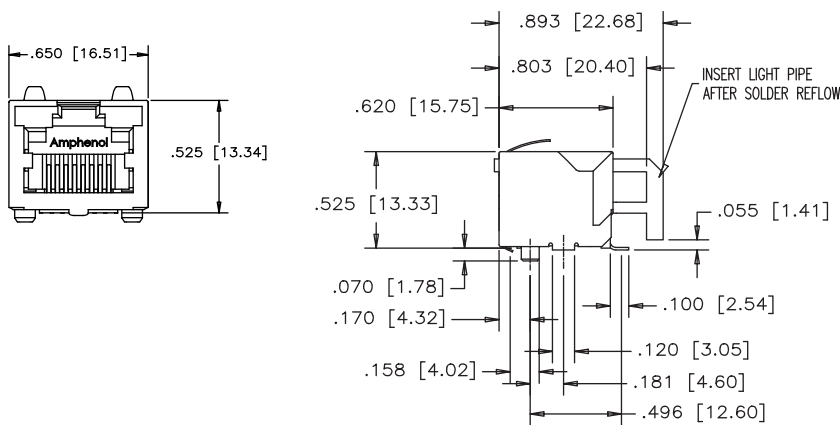


### PCB Layout

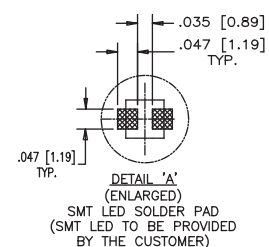
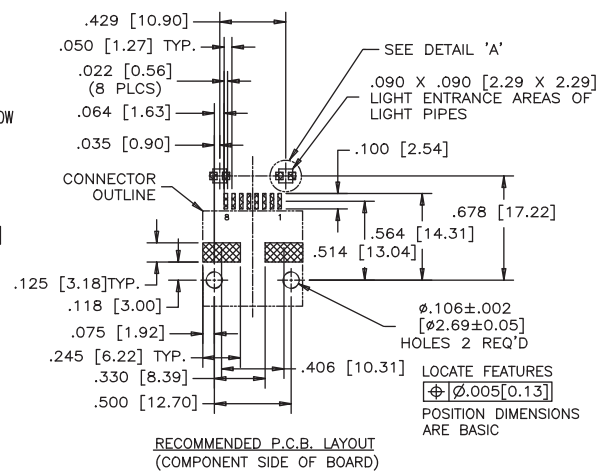


RJSSE-5381

### Shielded



### PCB Layout



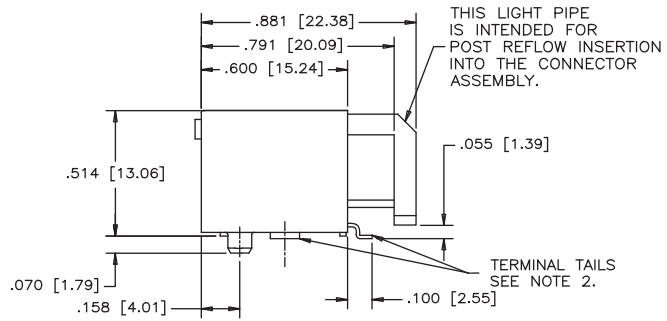
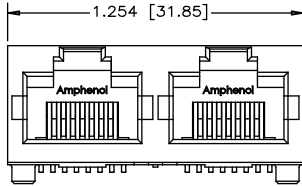
# RJSSE SERIES

SURFACE MOUNT WITH LIGHT PIPES

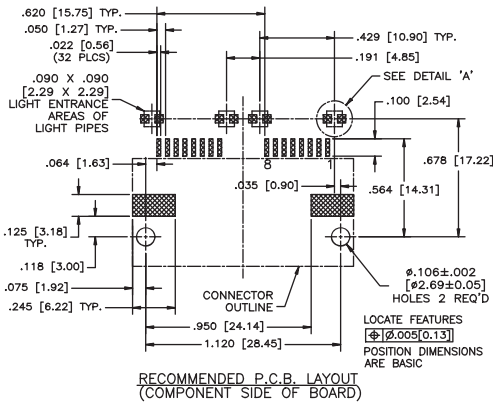
## Multi Port

### Non-Shielded

RJSSE-5081-02

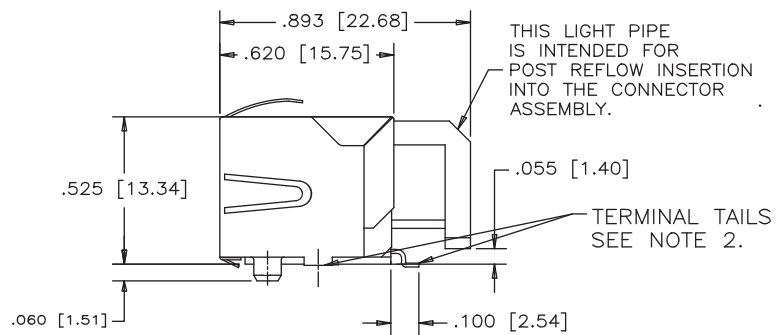
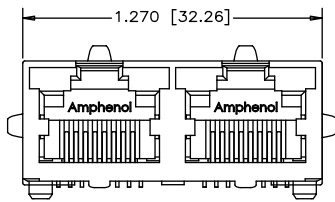


### PCB Layout

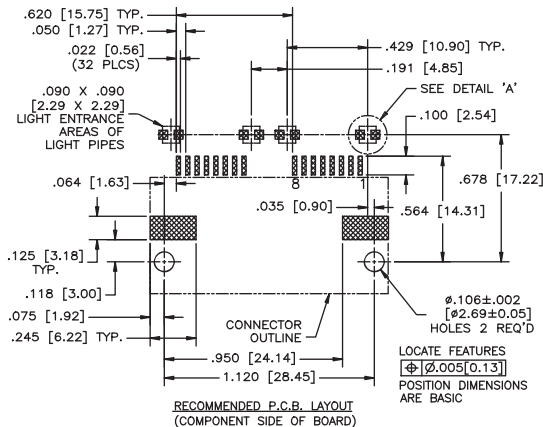


RJSSE-5381-02

### Shielded



### PCB Layout



# 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 and without a ferrite filter for increased EMI performance and LEDs for Link Activity and Network Speed verification.



## Specification

### Materials

<b>Housing:</b>	High Temp thermoplastic complies with UL 94V-0. Black colour
<b>Contacts:</b>	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 plating on soldering tail
<b>Shield:</b>	Copper alloy; Nickel plated with tin dipped tail
<b>LED:</b>	Steel with tin plating on LED tail. Epoxy lens

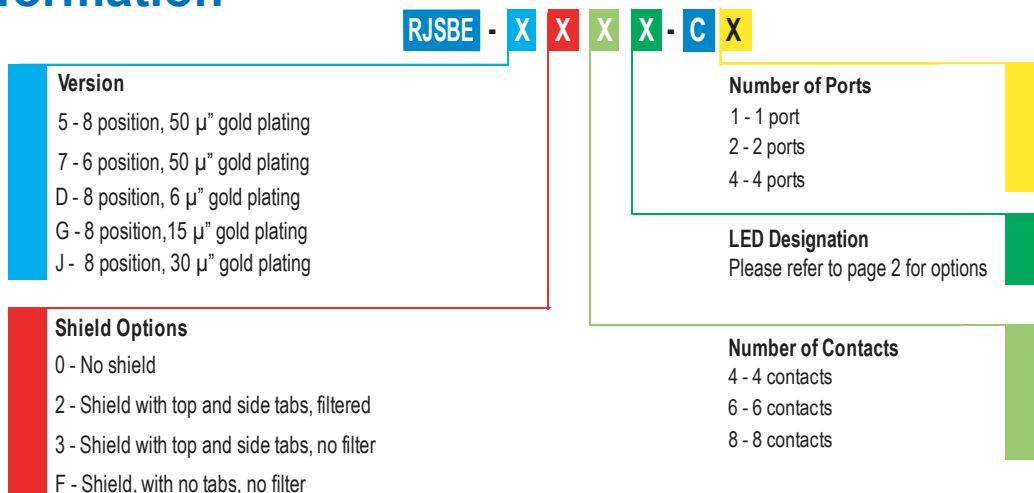
### Mechanical

<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. Maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating and unmating cycles
<b>Recommended Soldering</b>	
<b>Temperature:</b>	260°C for 5 seconds maximum
<b>Operating Temperature:</b>	-55°C to +85°C

### Electrical

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

## Ordering Information



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# RJSBE SERIES

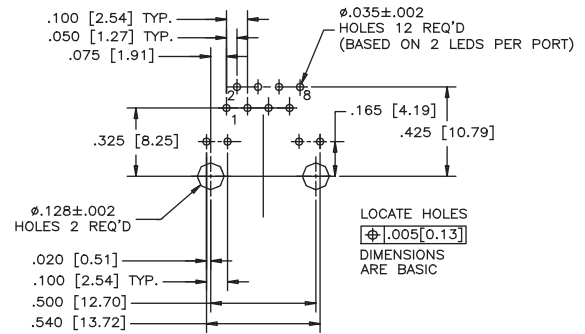
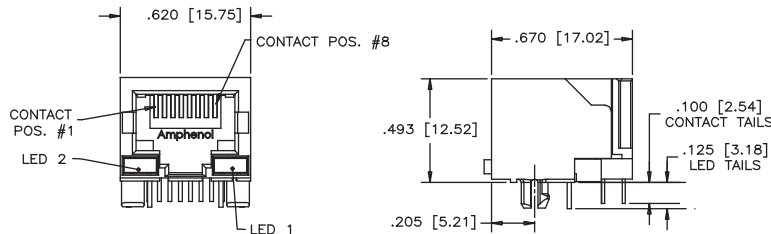
1, 2, AND 4 PORT WITH LEDS

## Single Port

RJSBE-5081-C1

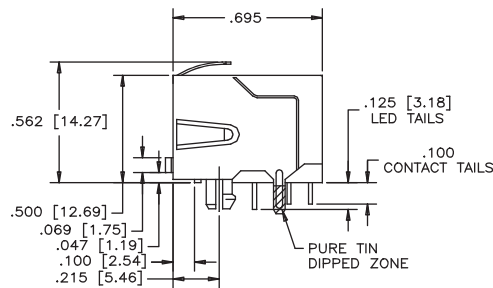
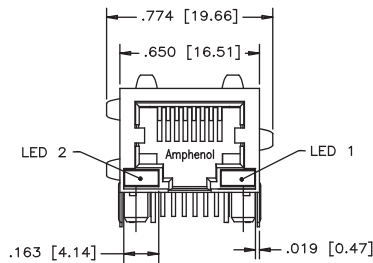
### Non-Shielded

### PCB Layout

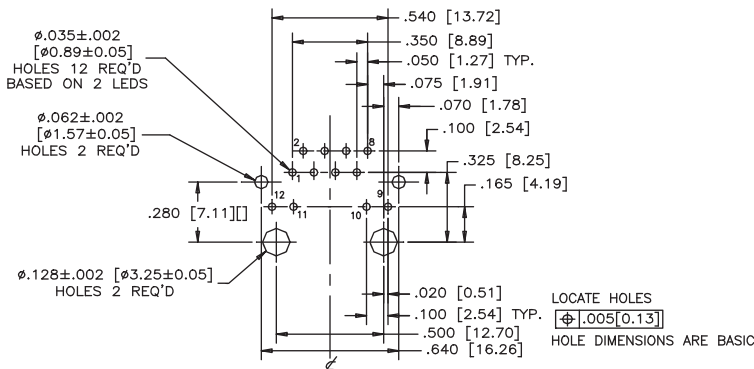


### Shielded

RJSBE-5381-C1



### PCB Layout



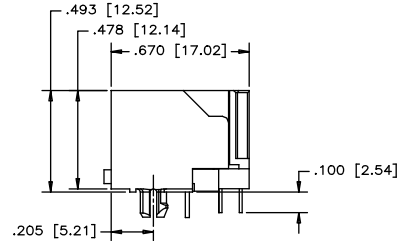
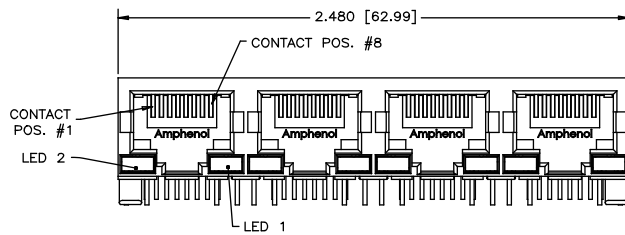
# RJSBE SERIES

1, 2, AND 4 PORT WITH LEDS

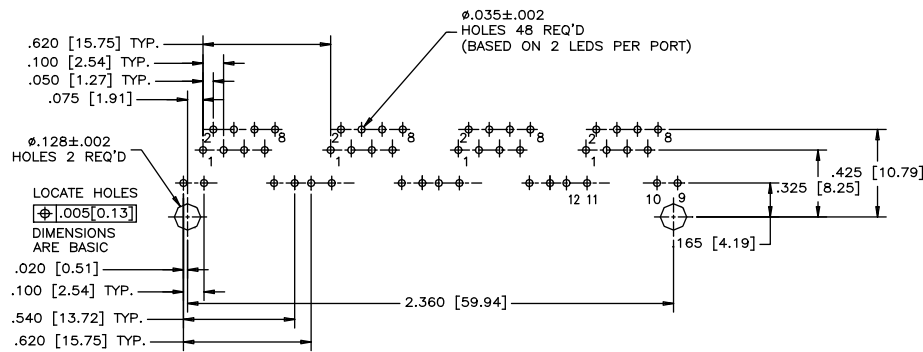
## Multi Port

RJSBE-5081-C4

### Non-Shielded

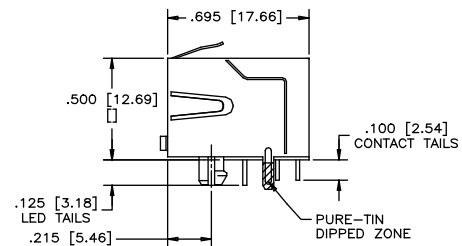
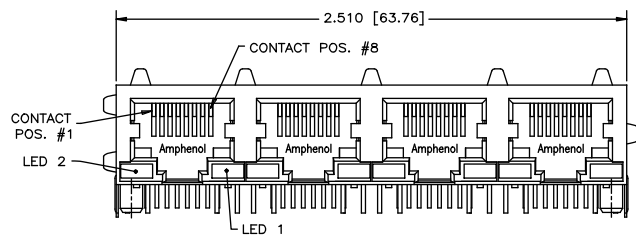


### PCB Layout

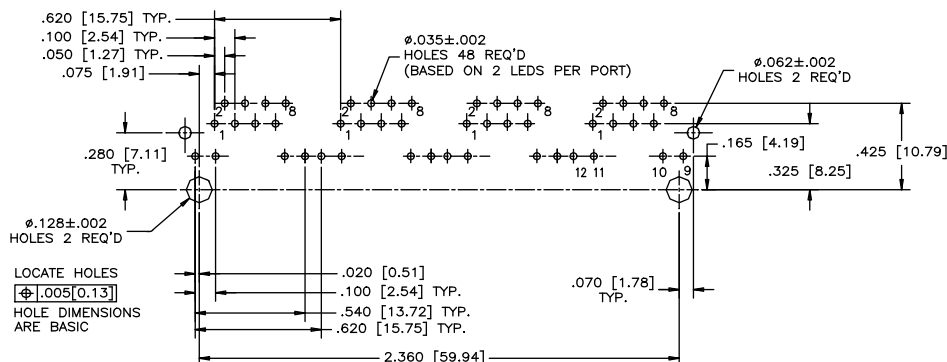


## Shielded

RJSBE-5381-C4



### PCB Layout



# FRJ/FRJAE SERIES

FILTERED AND SHIELDED

## Filtered and Shielded

The FRJ and 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

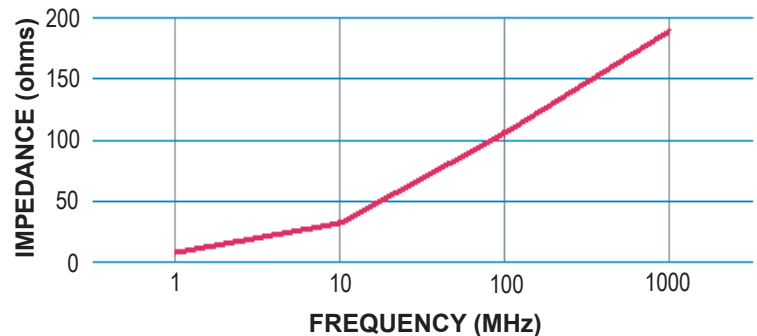
### Material

<b>Insulator:</b>	High temperature thermoplastic complies with UL 94V-0, black colour
<b>Contacts:</b>	Phosphor bronze hard temper with 50 $\mu$ " minimal gold over 50 $\mu$ " minimal nickel. 100 $\mu$ " minimal matte-tin or gold flash on soldering tail.
<b>Shield:</b>	Copper alloy; Nickel plated with tin dipped PCB tail
<b>Ferrite:</b>	Ferrite #61 & Ferrite #44

### Electrical

<b>Contact Resistance:</b>	30 milliohms maximum
<b>Insulation Resistance:</b>	500 megohms minimum at 500 VDC for 2 minutes maximum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>Dielectric Withstanding Voltage:</b>	1000 VAC, 60Hz. 1 minute

## Impedance Characteristics



UL File # : E135615  
CSA File # : LR68598

## 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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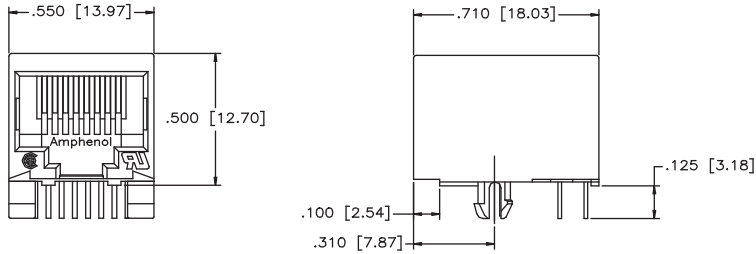
# FRJ/FRJAE SERIES

FILTERED AND SHIELDED

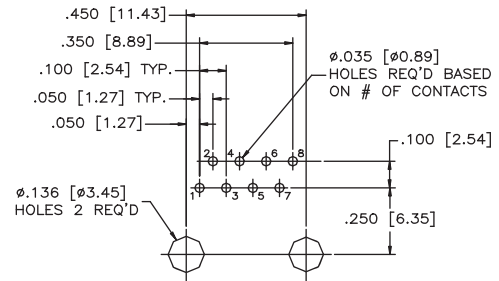
## Single Port

FRJAE-408

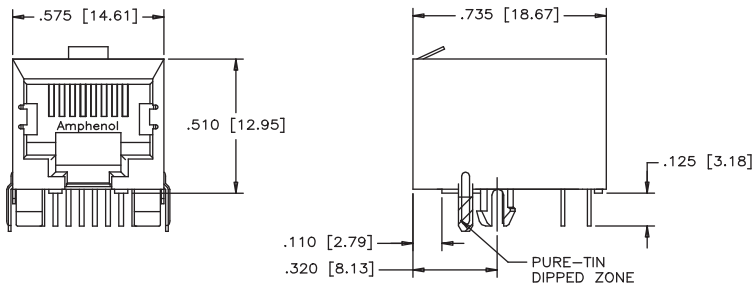
### Non-Shielded



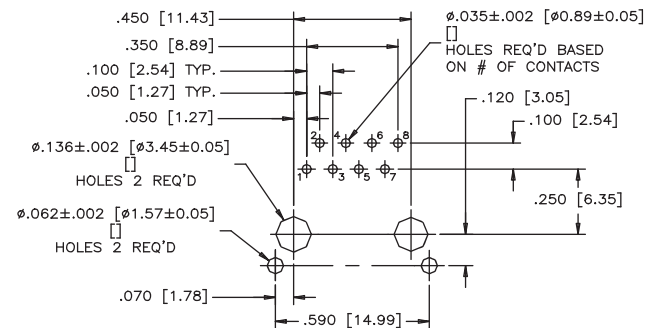
### PCB Layout



### Shielded



### PCB Layout

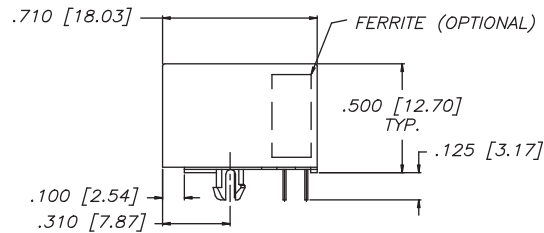
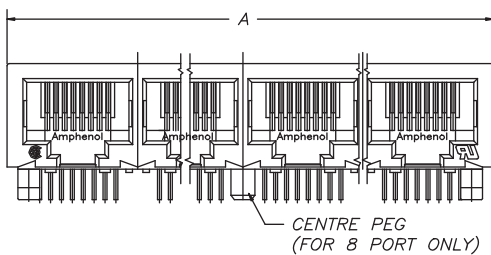


FRJAE-438

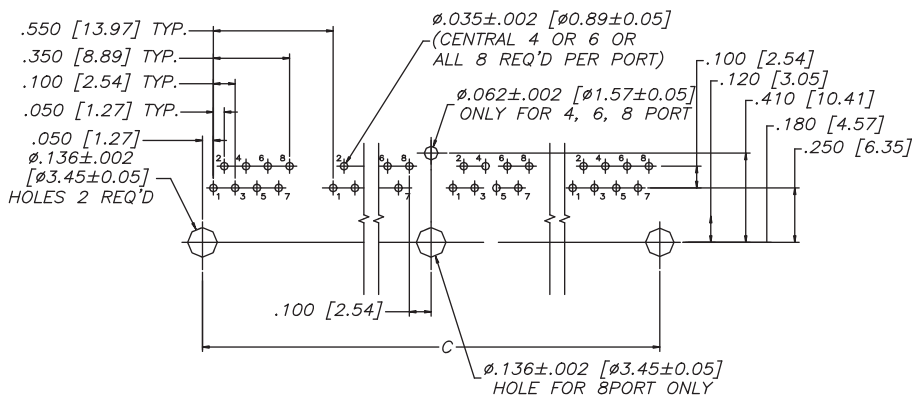
## Multi Port

FRJAE-4X8-0X

### Non-Shielded



### 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]

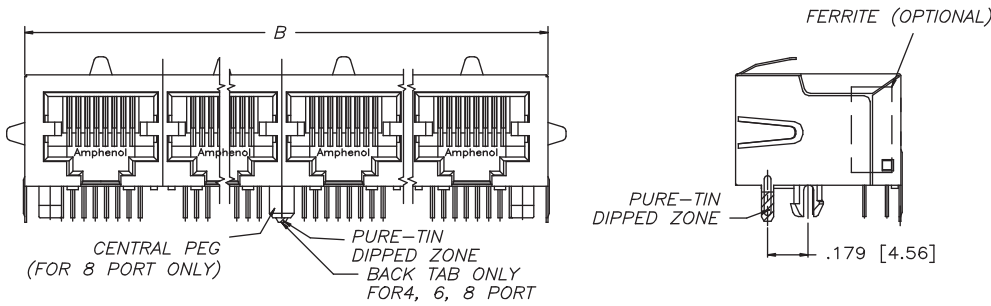
# FRJ/FRJAE SERIES

FILTERED AND SHIELDED

## Multi Port

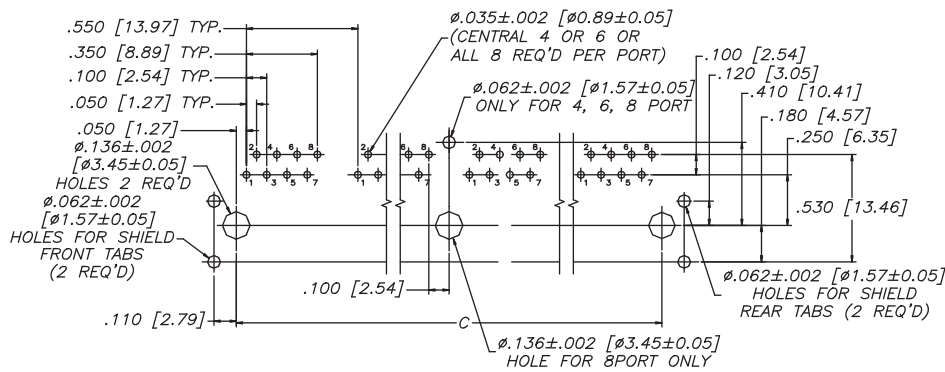
### Shielded

FRJAE-418-0X



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]

### PCB Layout



### Notes

## RJ45 Surface Mount with LEDs

The RJCSE is a right angle surface mount connector with built-in LEDs, available with or without shield. 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

<b>Housing:</b>	High temperature thermoplastic. Complies with UL 94V-0. Black colour
<b>Contacts:</b>	Phosphor bronze hard temper with gold thickness options (15 µ", 50 µ") over 50 µ" minimum nickel on contact mating area. Gold flash over nickel on soldering tail
<b>Shield:</b>	Copper alloy with nickel plating
<b>LED:</b>	Steel with tin plating on LED tail. Epoxy lens

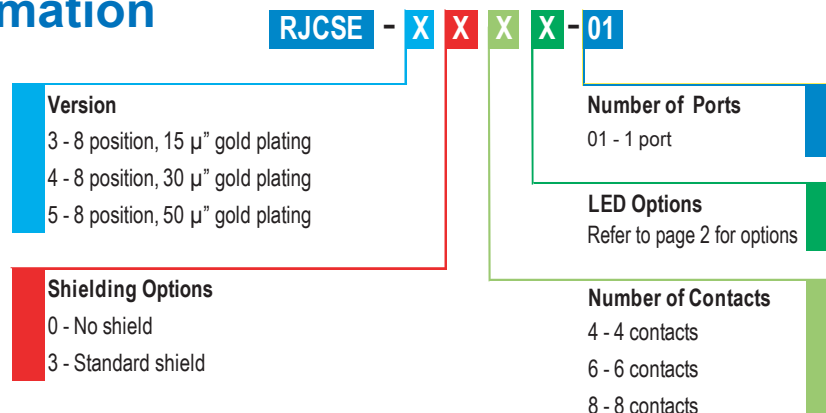
### Mechanical

<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. Maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating and unmating cycles (for 50 µ" gold plating option)

### Electrical

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

## Ordering Information



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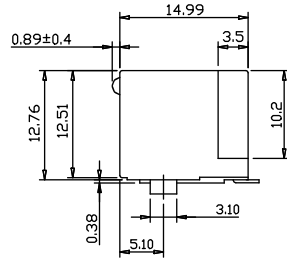
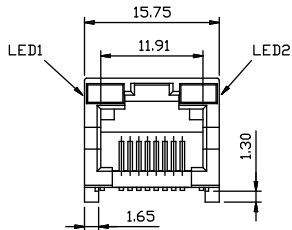
# RJCSE SERIES

RJ45 SURFACE MOUNT WITH LEDS

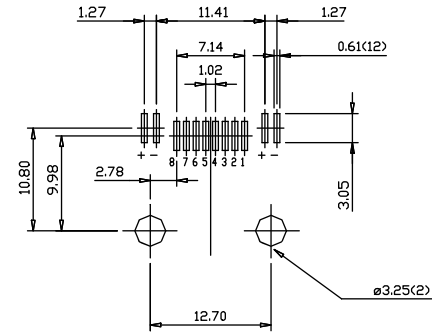
## Single Port

Non-Shielded

RJCSE-5081-01

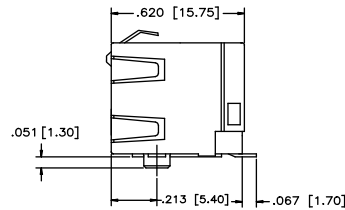
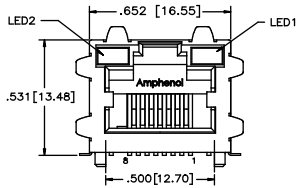


PCB Layout

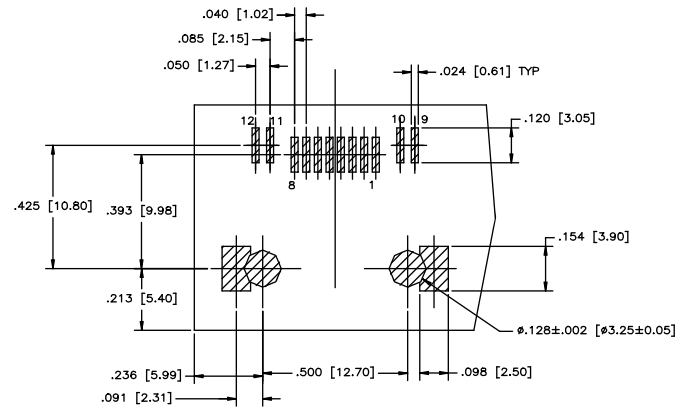


Shielded

RJCSE-5381-01



PCB Layout



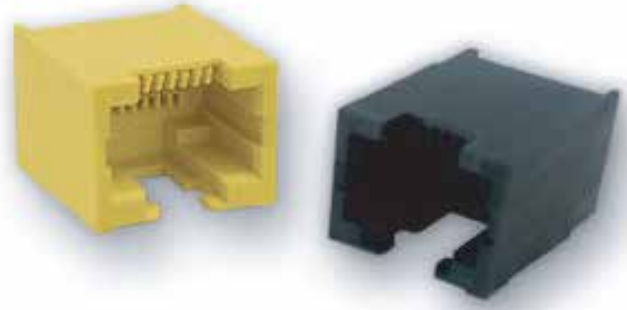
Notes

# RJLSE SERIES

SURFACE MOUNT ULTRA LOW PROFILE

## Surface Mount Ultra Low Profile

The RJLSE series are surface mounted type modular jacks with superior EMI performance that supports 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 connectors and is available with different shielding, number of contacts, gold plating thickness, and colour options. Built with high temperature engineering thermoplastic, they are suitable for IR Reflow solder process.



## Specifications

### Materials

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

### Mechanical

<b>Mating Connector Insertion Force:</b>	5.0 lbs. Maximum
--	------------------

### Mating Connector Pull

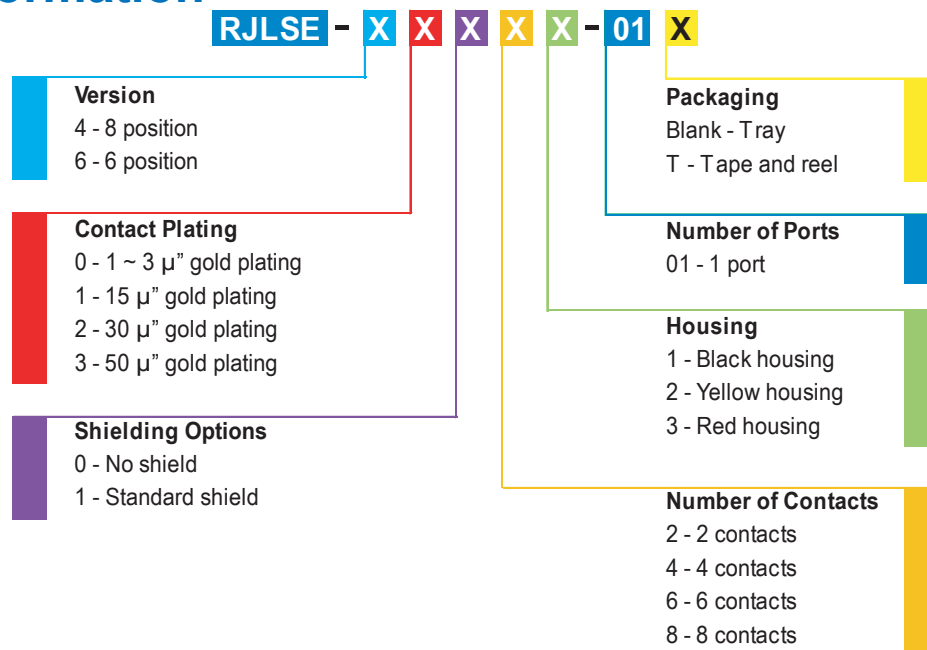
<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating and unmating cycles
<b>Operating Temperature:</b>	-55 °C to + 85 °C

### Electrical

<b>Contact Resistance:</b>	20 Milliohms maximum
<b>Insulation Resistance:</b>	500 Megohms minimum at 500VDC for 2 minutes maximum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>Dielectric Withstanding Voltage:</b>	1000 VDC, 60Hz. 1 minute

<b>UL File #</b>	E135615
<b>CSA File #</b>	LR68598

## Ordering Information



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# RJLSE SERIES

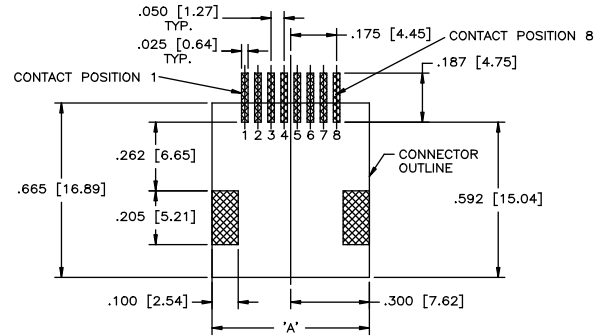
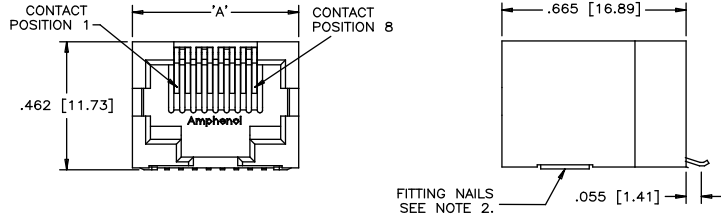
SURFACE MOUNT ULTRA LOW PROFILE

## Single Port

Non-Shielded

RJLSE-43081-01

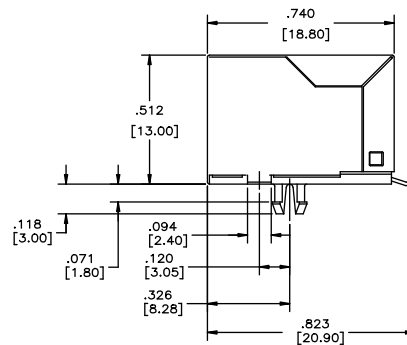
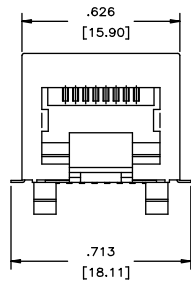
### PCB Layout



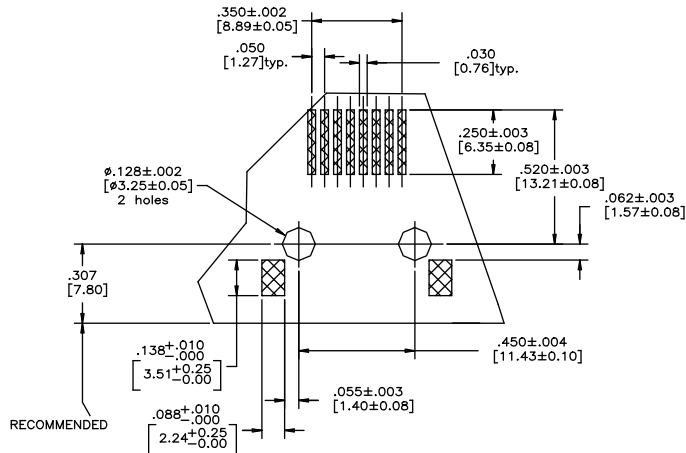
NO. OF POSITIONS	DIMENSIONS
	'A'
6	.520 [13.21]
8	.600 [15.24]

## Shielded

RJLSE-43181-01



### PCB Layout



## RJ45 and RJ11 Standard Profile

New 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 single and multi-port configurations.



## Specification

### Material

<b>Shield:</b>	Stainless steel or copper alloy; Nickel plated
<b>Contacts:</b>	Phosphor bronze; gold over nickel
<b>Housing:</b>	Engineering thermoplastic complies with UL 94V-0, black colour

### Electrical

<b>Contact Resistance:</b>	20 milliohms maximum
<b>Insulation Resistance:</b>	500 megohms minimum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>Dielectric Withstanding Voltage:</b>	1000 VAC, RMS. 60Hz. 1 minute

### Standard LEDs: For 5.0 V Systems

Forward Voltage:	2.1 Volts Typical
Reverse Voltage:	6.0 Volts minimum
Luminous Intensity:	0.5 mCd minimum (at If=2mA)

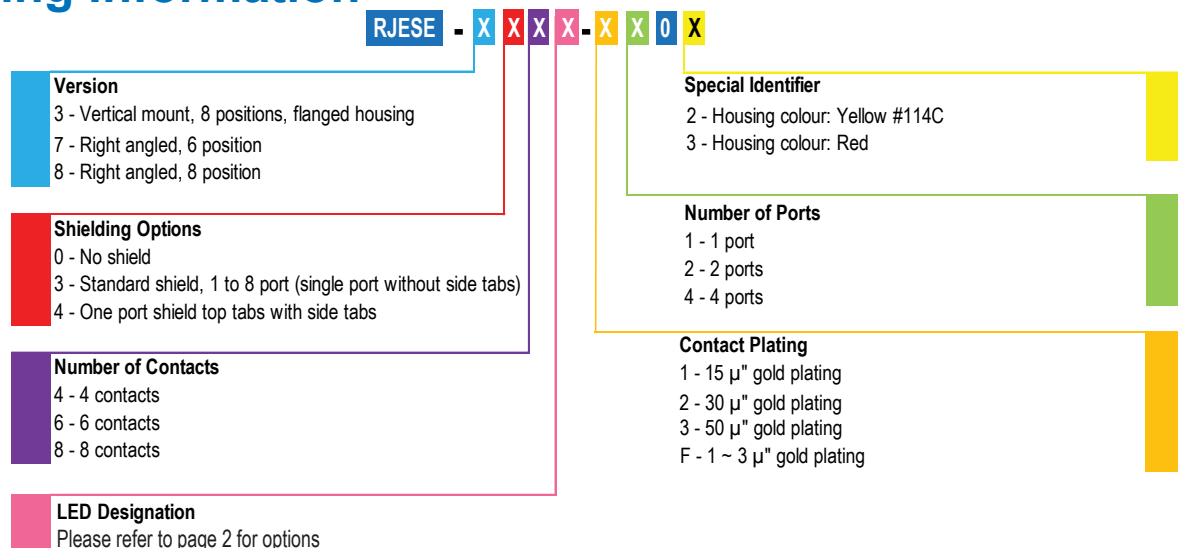
### Low Current LEDs: For 3.3 V Systems

Forward Voltage:	2.0 Volts Typical
Reverse Voltage:	6.0 Volts minimum
Luminous Intensity:	1.0 mCd minimum (at If=2mA)

### Other Parameters:

Operating Temperature:	- 20 °C to 70 °C
Lead Soldering Temperature:	260 °C (5 sec)

## Ordering Information



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# RJESE SERIES

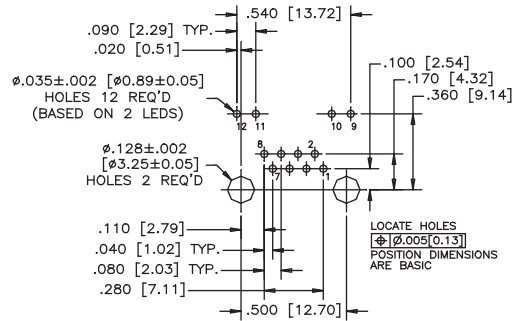
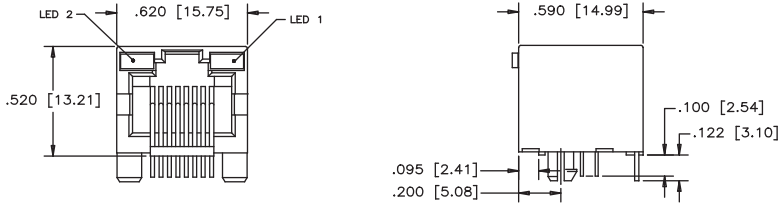
RJ45 AND RJ11 STANDARD PROFILE

## Single Port

RJESE-8081-01

### Non-Shielded

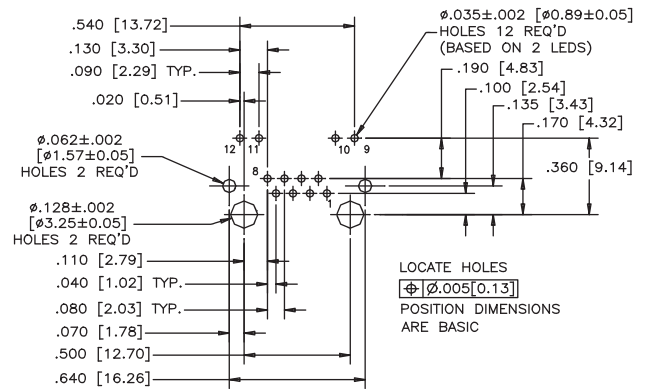
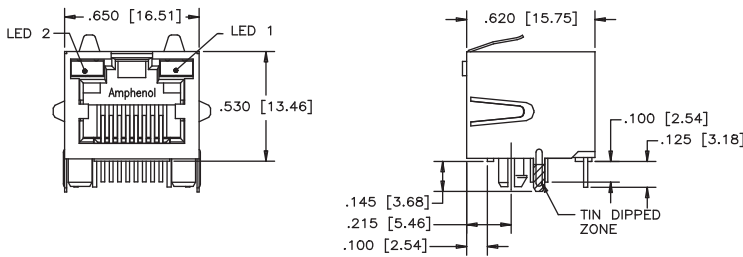
### PCB Layout



### Shielded

### PCB Layout

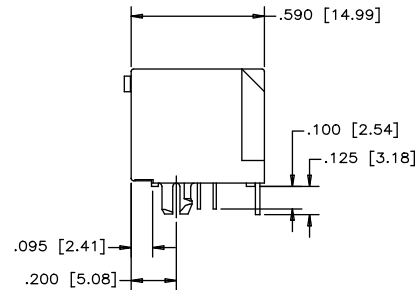
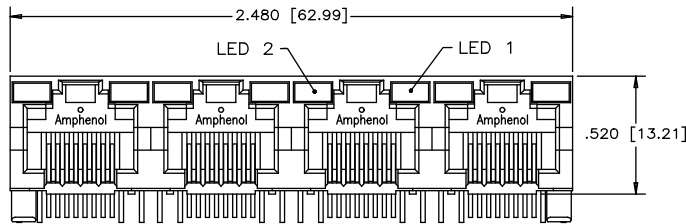
RJESE-8481-01



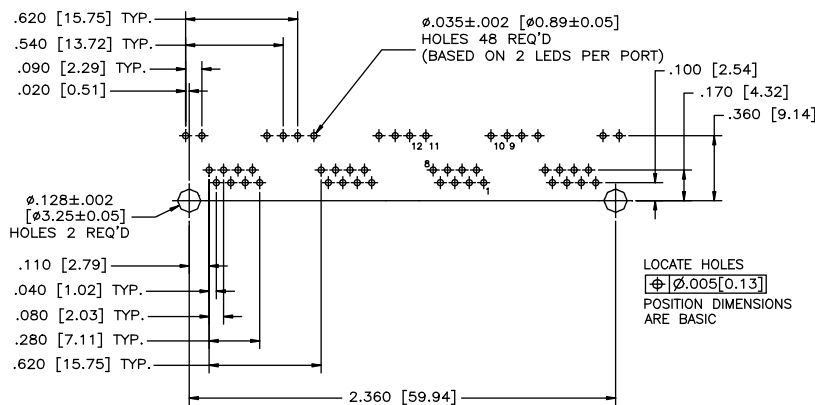
## Notes

## Multi Port Non-Shielded

RJ45E-8081-04

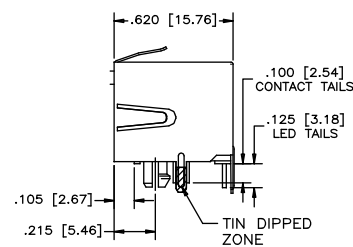
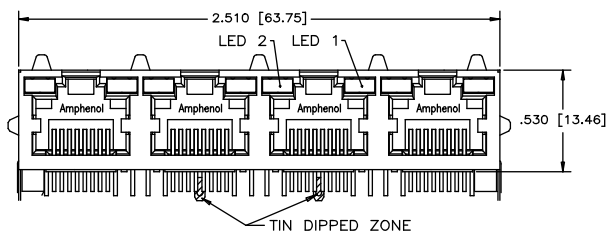


## PCB Layout

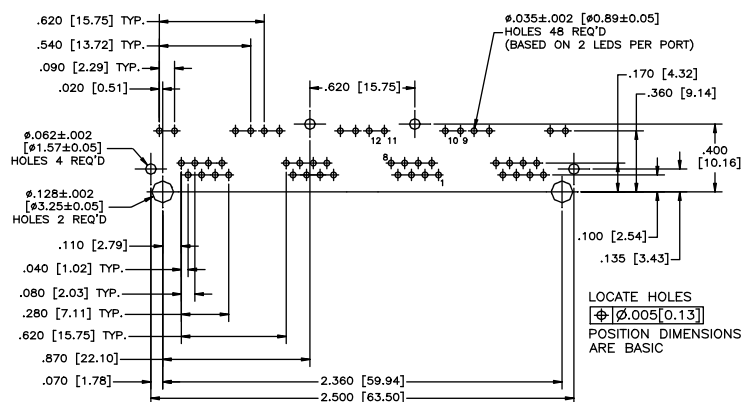


## Shielded

RJ45E-8381-04



## 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

### Materials

<b>Insulator:</b>	High temperature thermoplastic complies with UL 94V-0; Black colour
<b>Contacts:</b>	Phosphor bronze hard temper with 50 $\mu$ " minimum gold over 50 $\mu$ " minimal nickel on contact mating area. With 100 $\mu$ " minimum matte-tin plating on soldering tail
<b>Shield:</b>	Copper alloy, nickel plated with tin dipped tail

### Electrical

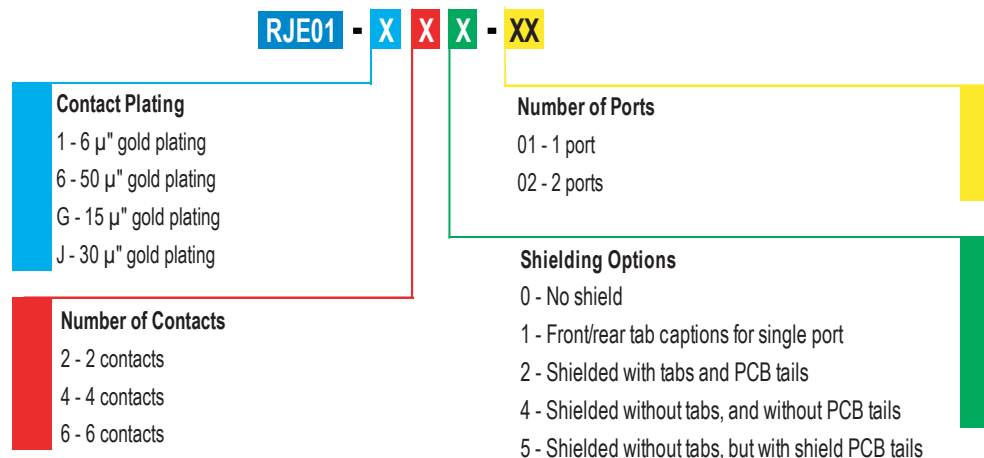
<b>Contact Resistance:</b>	30 Milliohms maximum
<b>Insulation Resistance:</b>	500 Megohms minimum at 500 VDC for 2 minutes maximum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC

<b>Dielectric Withstanding Voltage:</b>	1000 VDC, 60Hz. 1 minute
<b>UL File #</b>	E135615
<b>CSA File #</b>	LR68598

### Mechanical

<b>Mating Connector Insertion Force:</b>	4.5 lbs. maximum
<b>Mating Connector Pull Retention Force:</b>	20 lbs. minimum
<b>Durability:</b>	500 mating & unmating cycles tested at 500 mating cycles per hour
<b>Recommened Soldering Temperature:</b>	Wave soldering peaked at 260° for 5 seconds maximum
<b>Operating Temperature:</b>	0°C to +70°C
<b>PCB Retention Pre-solder:</b>	1 lb. minimum
<b>PCB Retention Post-solder:</b>	10 lbs. minimum

## Ordering Information



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# RJE01 SERIES

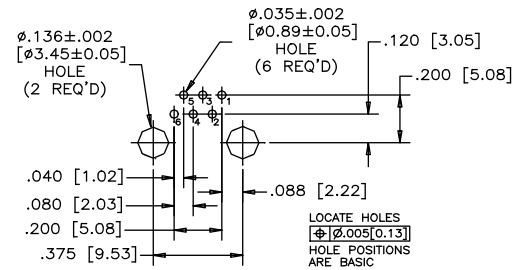
RJ11 (SIX POSITION)

## Single Port

RJE01-660-01

### Non-Shielded

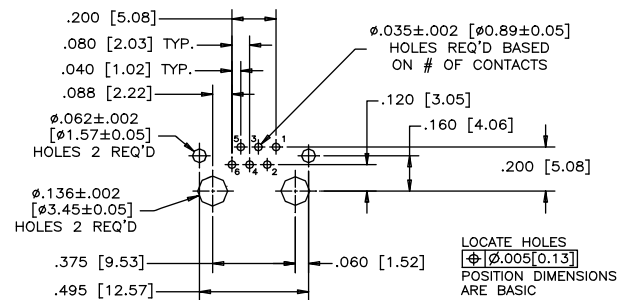
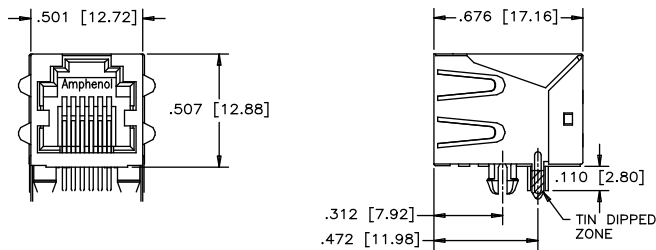
### PCB Layout



### Shielded

### PCB Layout

RJE01-662-01

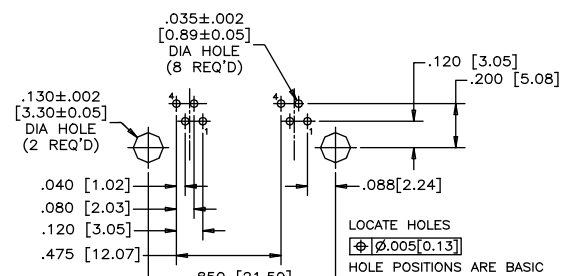
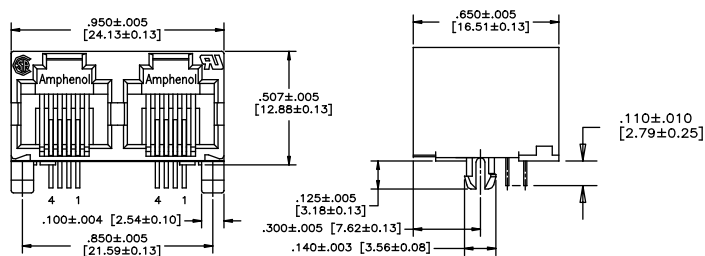


## Multi Port

RJE01-660-02

### Non-Shielded

### PCB Layout

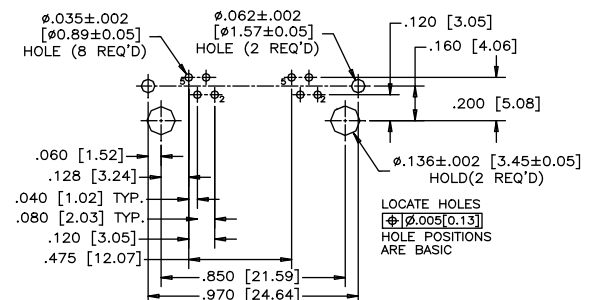
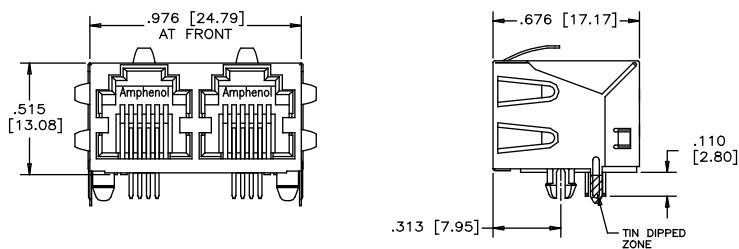


RECOMMENDED P.C.B. LAYOUT  
(COMPONENT SIDE OF BOARD)

### Shielded

### PCB Layout

RJE01-662-02



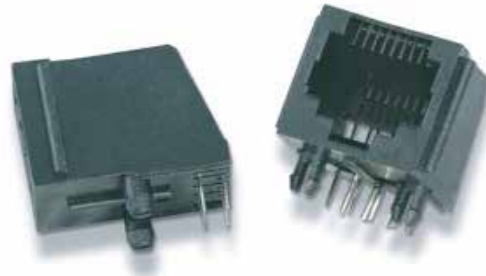
# RJE02 SERIES

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 & without flanged, RJ11 & RJ45 configurations.



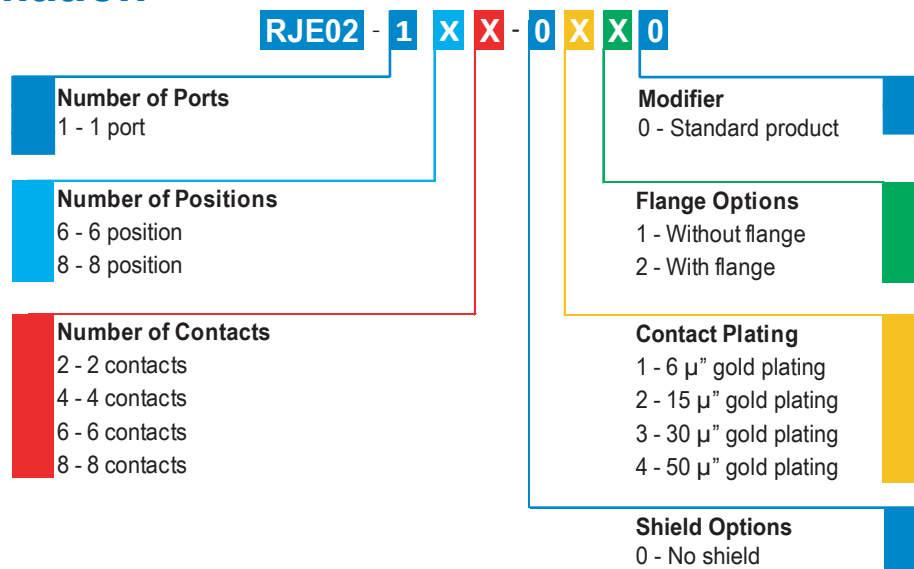
## Specifications

### Material

**Housing:** High Strength Thermoplastic Polyester  
Flammability Rating UL94V-0

**Contacts:** Phosphor bronze  
**Contact Plating:** Gold over nickel on mating area, matte-tin plating on soldering tail

## Ordering Information



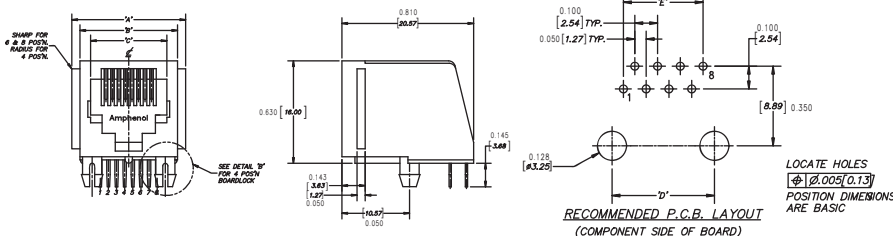
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## Single Port

RJE02-1XX-0X20

### Non-Shielded

### PCB Layout



PART NUMBER	NO. OF POSITIONS	NO. OF CONTACTS	"A"	"B"	DIMENSIONS		
					"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]

# 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, RJ11 & RJ45 configurations.



## Specifications

### Materials

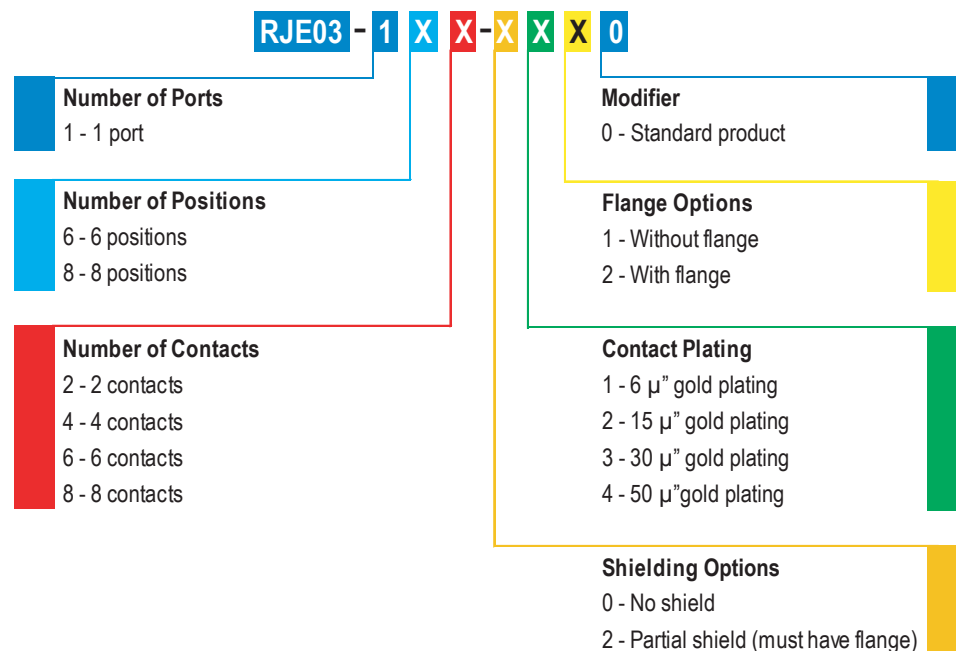
**Insulator:** High strength thermoplastic polyester  
flammability rating UL94V-0

**Contacts:** Phosphor bronze

**Contact Plating:** Gold over nickel on mating area, matte tin on tails

**Shield:** Copper alloy, nickel plated with tin dipped tail

## Ordering Information



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Please contact [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com) and let us know what you need.

# RJE03 SERIES

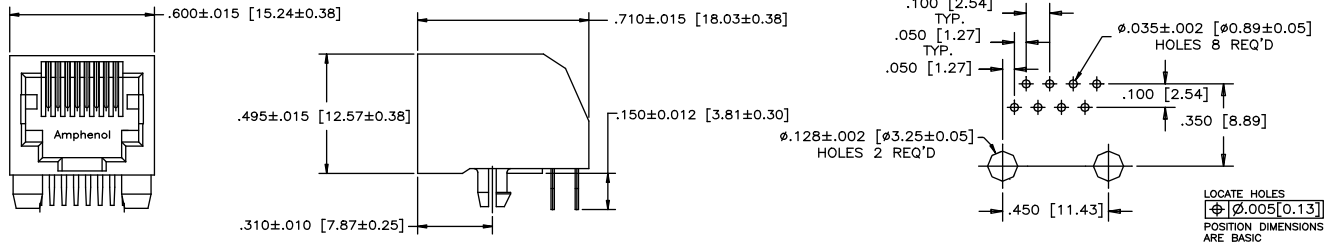
SINGLE PORT LOW PROFILE

## Single Port

RJE03-188-0410

Non-Shielded

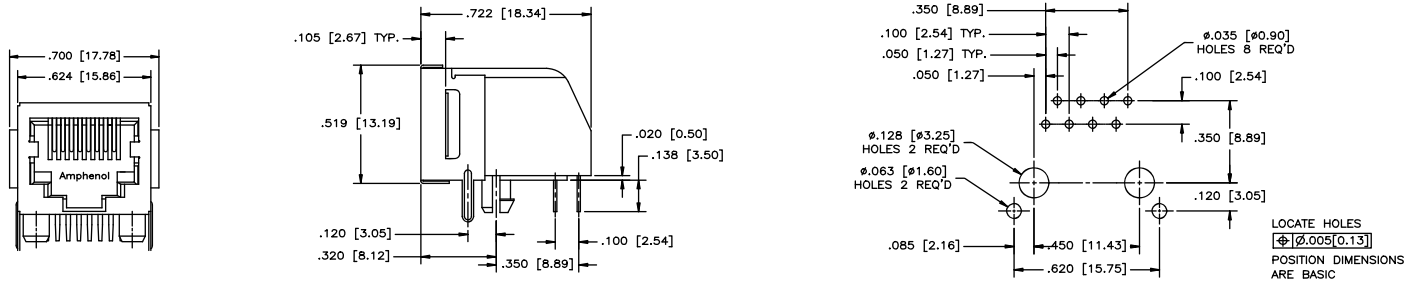
PCB Layout



Shielded with Flange

RJE03-188-2420

PCB Layout



Notes

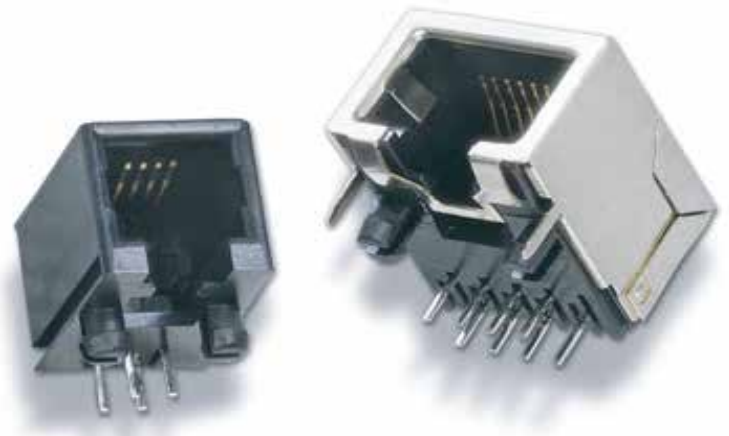
# RJE05 SERIES

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 Right Angle / Vertical, Shielded & Non Shielded, RJ11 & RJ45 configurations.



## Specifications

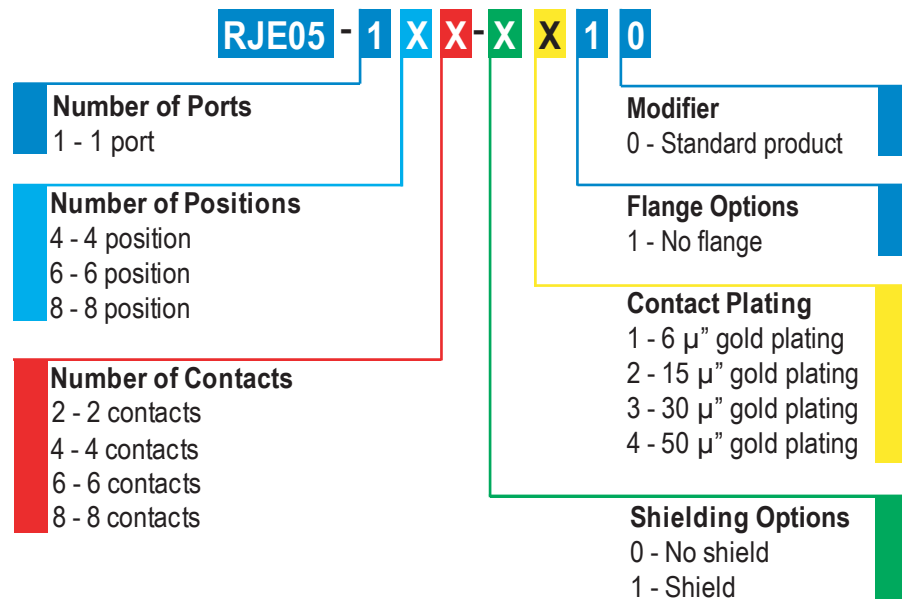
### Materials

<b>Housing:</b>	High strength thermoplastic polyester flammability rating UL94V-0
<b>Contacts:</b>	Phosphor bronze
<b>Contact Plating:</b>	Gold over nickel on mating area, matte-tin plating on soldering tail

<b>Shield:</b>	Copper alloy, nickel plated with tin dipped tail
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<b>Electrical</b>	
<b>UL File #:</b>	E136228

## Ordering Information



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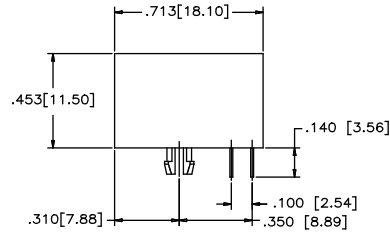
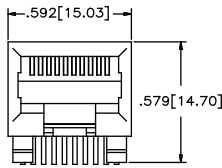
# RJE05 SERIES

ULTRA LOW PROFILE

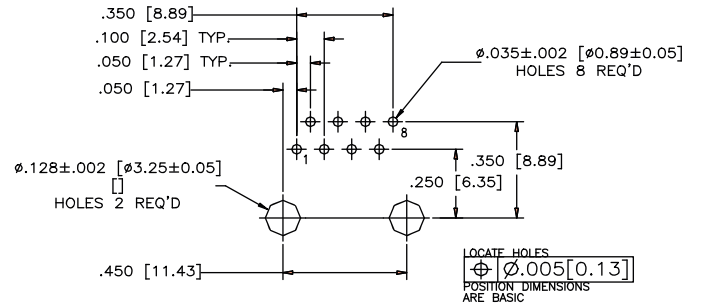
## Single Port

Non-Shielded

RJE05-188-0410

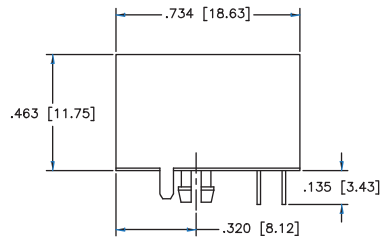
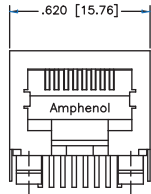


## PCB Layout

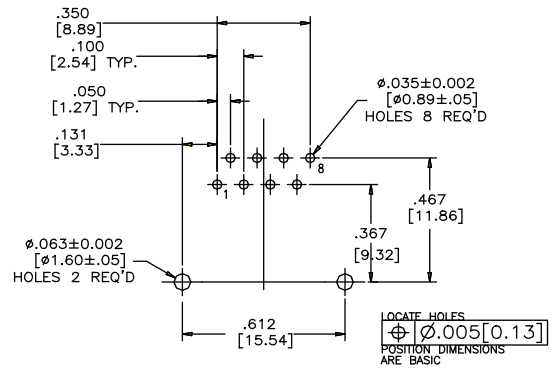


Shielded

RJE05-188-1410



## PCB Layout



## 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, RJ11 & RJ45 configurations.



## Specifications

### Materials

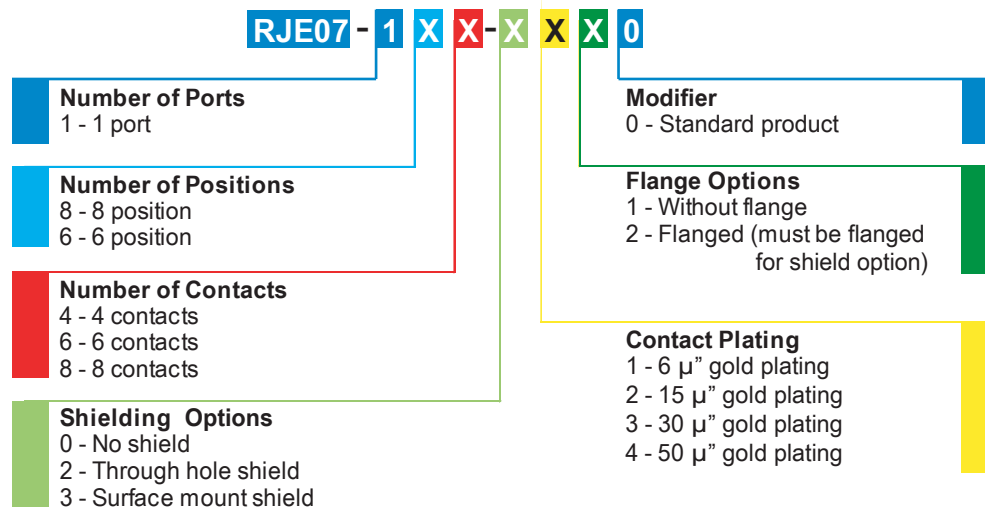
<b>Housing:</b>	High temperature resistant nylon flammability rating UL94V-0
<b>Contacts:</b>	Phosphor bronze
<b>Contact Plating:</b>	Gold over nickel on mating area, matte-tin plating on soldering tail

<b>Shield:</b>	Copper alloy, nickel plated with tin dipped tail
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### Electrical

<b>UL File #:</b>	E136228
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## Ordering Information



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Please contact [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com) and let us know what you need.

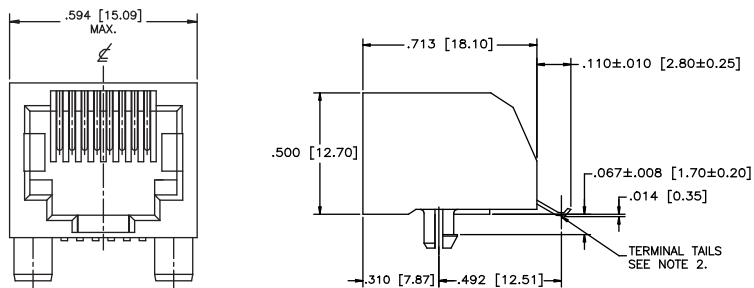
# RJE07 SERIES

SINGLE PORT SURFACE MOUNT

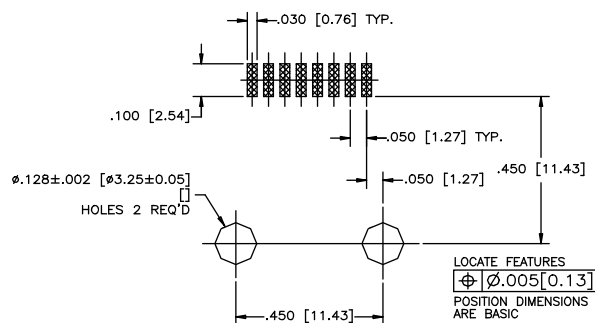
## Single Port

### Non-Shielded

RJE07-188-0410

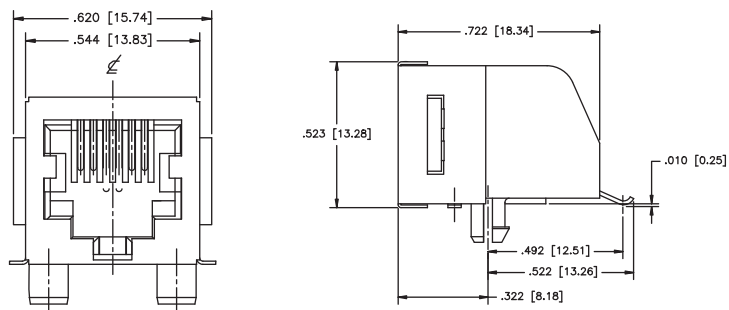


### PCB Layout

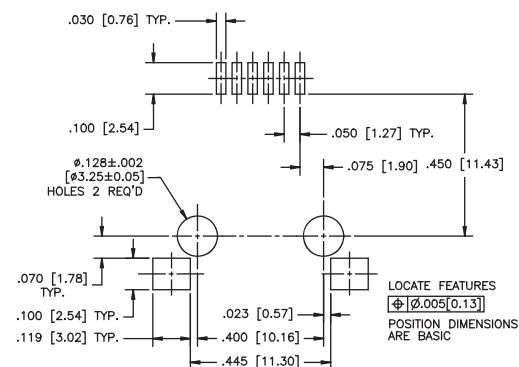


### Surface Mount Shield

RJE07-188-3420

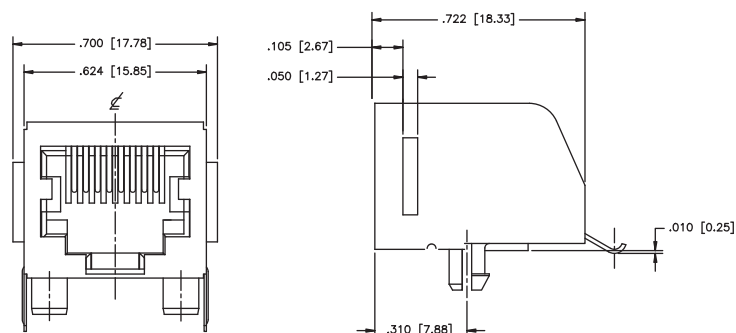


### PCB Layout

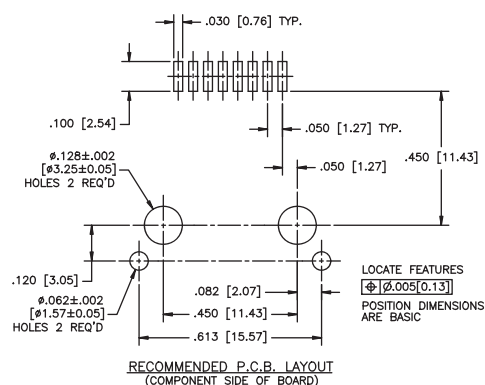


### Through Hole Shield

RJE07-188-2420



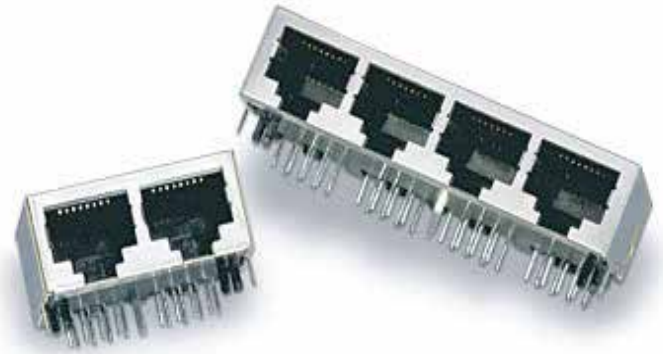
### PCB Layout



## 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, RJ11 & RJ45 configurations.



## Specifications

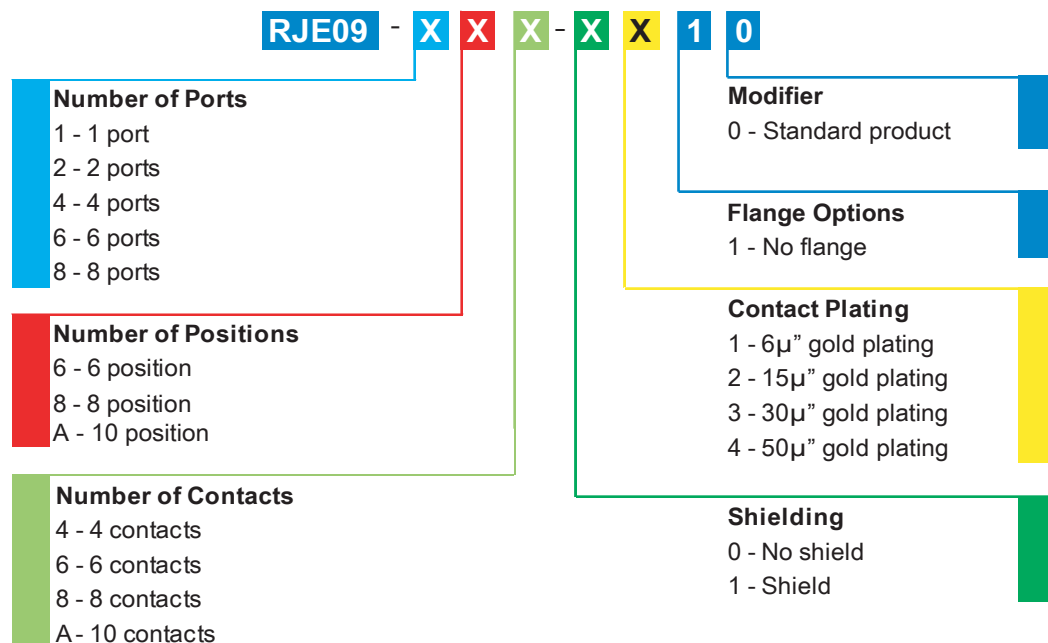
### Materials

<b>Housing:</b>	High Strength Thermoplastic Polyester Flammability Rating UL94V-0
<b>Contacts:</b>	Phosphor bronze
<b>Contact Plating:</b>	Gold over nickel on mating area, matte-tin plating on soldering tail

**Shield:** Copper alloy, nickel plated with tin dipped tail

**Electrical**  
**UL File #:** E136228

## Ordering Information



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# RJE09 SERIES

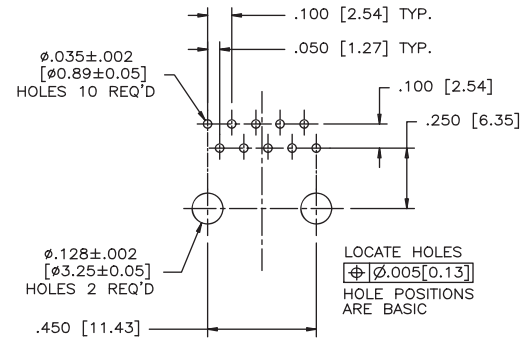
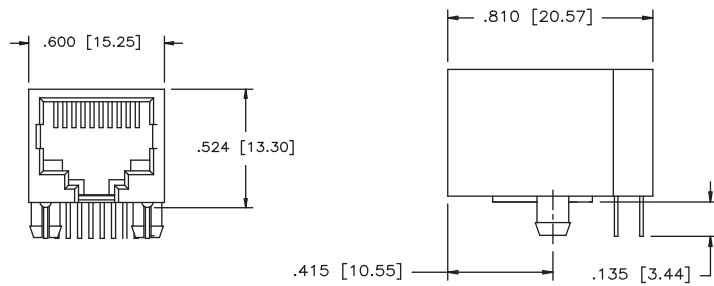
STANDARD PROFILE

## Single Port

RJE09-1AA-0410

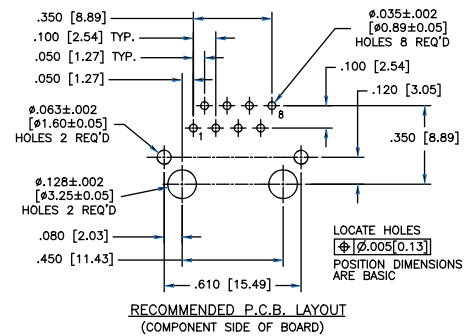
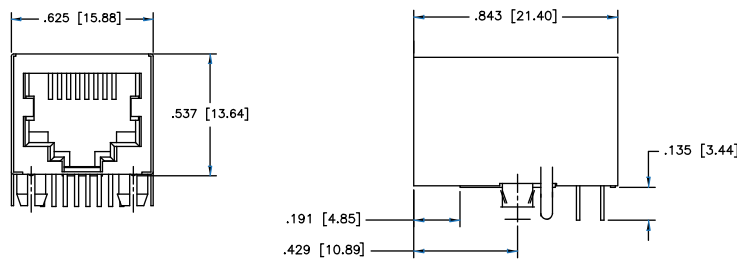
Non-Shielded

PCB Layout



Shielded

PCB Layout

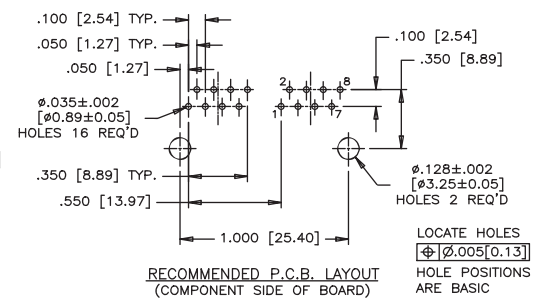
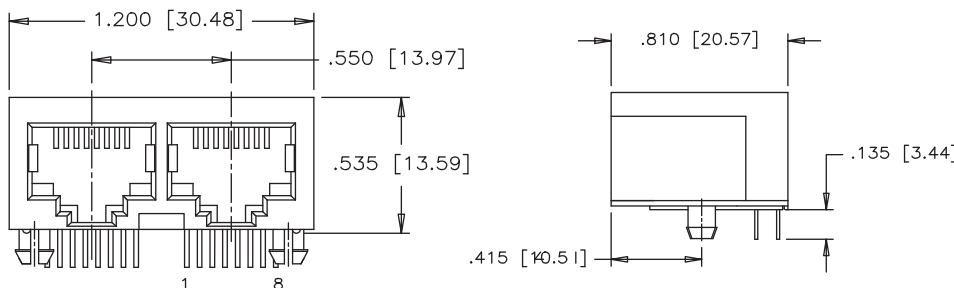


## Multi Port

RJE09-288-0410

Non-Shielded

PCB Layout



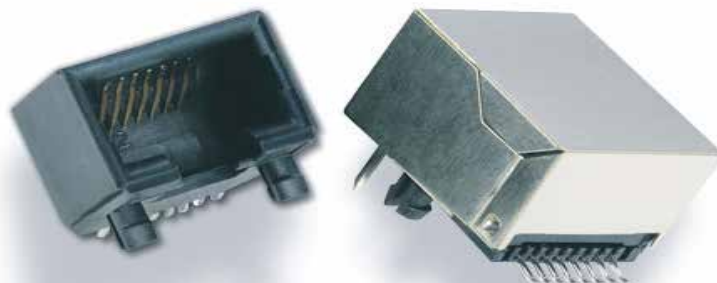


# RJE15 SERIES

SINGLE PORT LOW PROFILE

## Single Port Low Profile

The RJE15 low profile style connector is built to meet your high volume RJ requirements. This series is true pick and place compatible SMT connectors and are available with different shielding, number of contacts, plating thickness, and colour options. Built with high temperature engineering thermoplastic. Suitable for IR Reflow solder process.



## Specifications

### Material

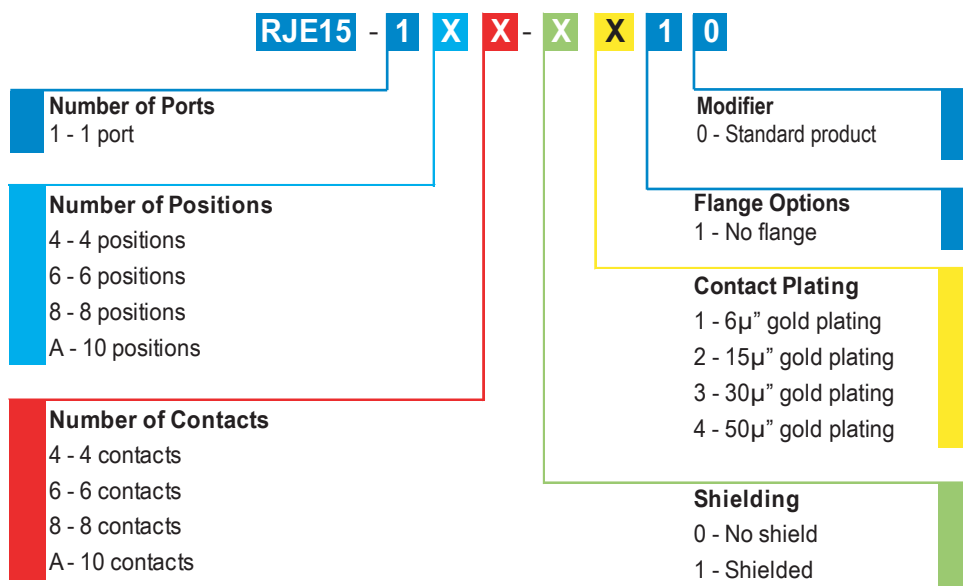
**Housing:** High Strength Thermoplastic  
Polyester Flammability Rating  
UL94V-0

**Contacts:** Phosphor bronze

**Contact Plating:** Gold over nickel on mating  
Area, matte-tin plating on soldering tail

**Shield:** Copper alloy, Nickel plated with tin  
dipped tail

## Ordering Information



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# RJE15 SERIES

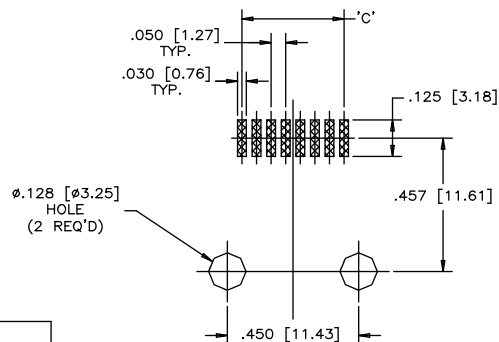
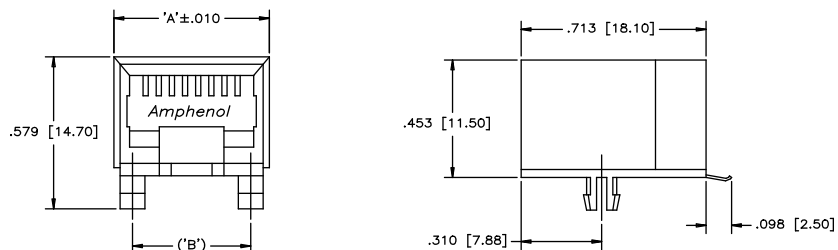
SINGLE PORT LOW PROFILE

## Single Port

RJE15-1XX-0410

### Non-Shielded

### PCB Layout

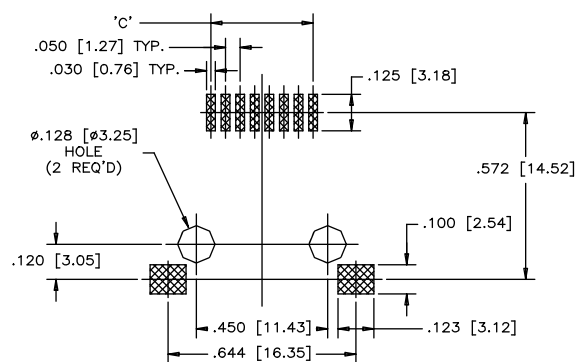
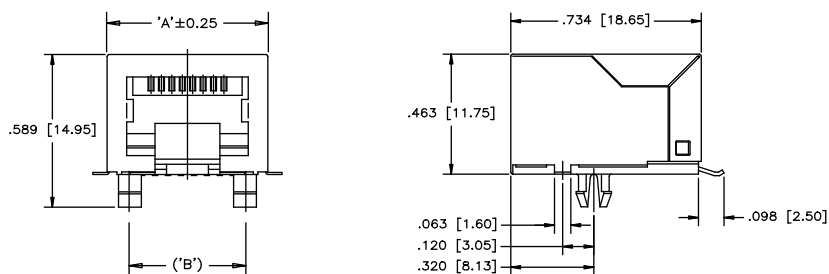


NO. OF POSITIONS	DIMENSIONS		
	'A'	'B'	'C'
4	.441 [10.43]	.300 [7.62]	.150 [3.81]
6	.510 [12.95]	.400 [10.16]	.250 [6.35]
8	.592 [15.04]	.450 [11.43]	.350 [8.89]
10	.620 [15.74]	.450 [11.43]	.450 [11.43]

RJE15-1XX-1410

### Shielded

### 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 height is limited. Standard and rear mount shield options for superior EMI performance makes this part ideal for LAN and router applications.



## Specification

### Material

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

### Electrical

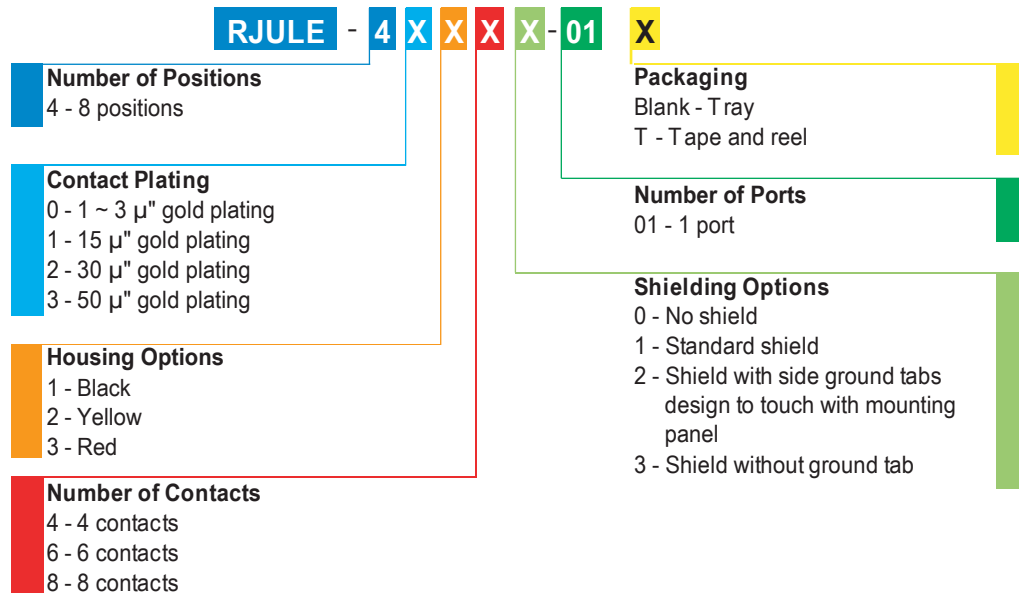
<b>Contact Resistance:</b>	20 Milliohms maximum
<b>Insulation Resistance:</b>	500 Megohms minimum at 500V DC for 2 minutes maximum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>DWV:</b>	1000 VAC, 60 Hz. 1 minute

### Mechanical

<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. Maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating and unmating cycles
<b>Recommended Soldering Temperature:</b>	Wave soldering peaked at 260°C for 5 seconds maximum

UL File # : E135615

## Ordering Information



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# RJULE SERIES

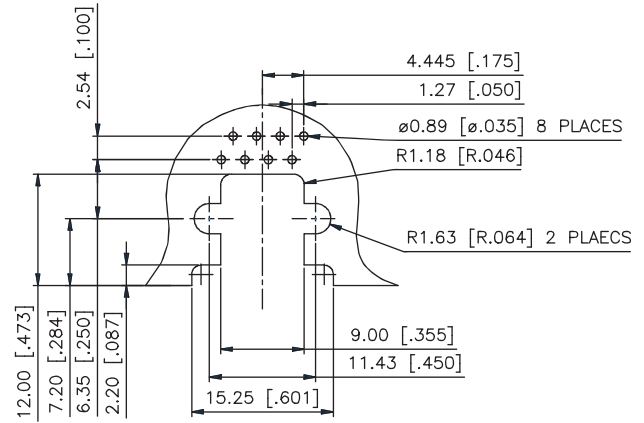
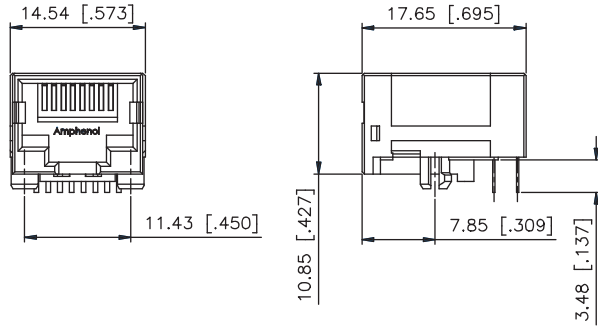
RECESSED, LOW PROFILE

## Single Port

RJULE-43180-01

### Non-Shielded

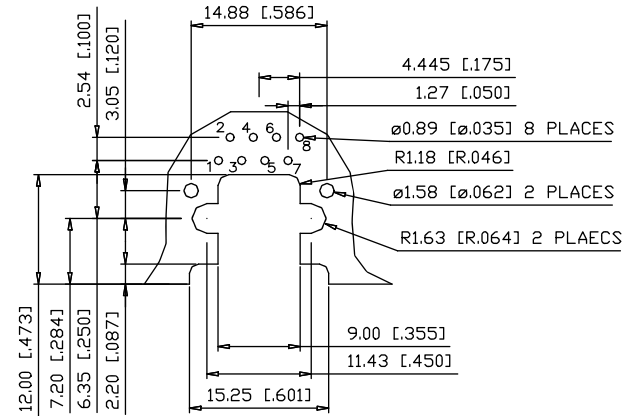
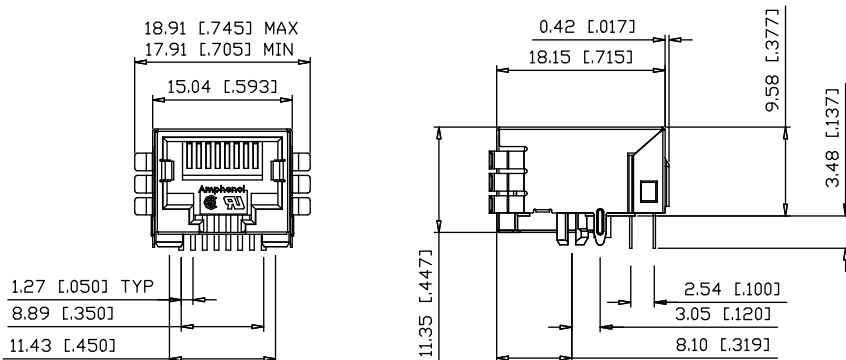
### PCB Layout



RJULE-43182-01

### Shielded with Side Ground Tabs

### PCB Layout

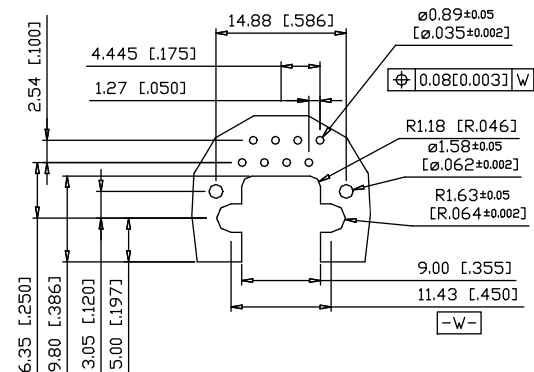
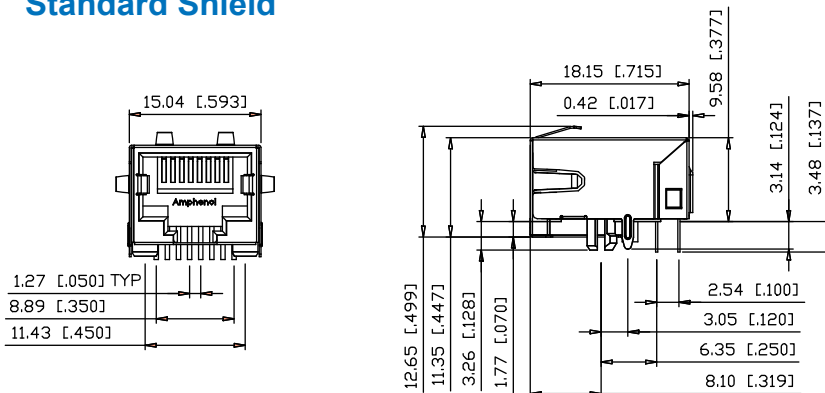


## Single Port

RJULE-43181-01

### Standard Shield

### PCB Layout



# RJE56 SERIES

RJ45 PRESS FIT

## RJ45 Press Fit

The RJE56 series is designed for applications where soldering is just 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

<b>Shield:</b>	Copper alloy; Nickel plated
<b>Contacts:</b>	Phosphor bronze; Gold over nickel
<b>Housing:</b>	High temperature thermoplastic complies with UL 94V-0, black colour

### Electrical

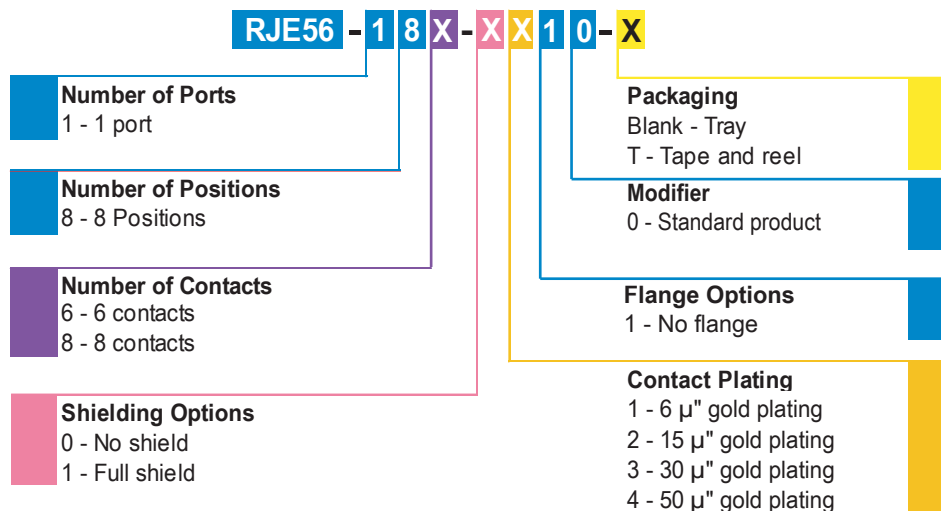
<b>Contact Resistance:</b>	20 milliohms maximum
<b>Insulation Resistance:</b>	500 megohms minimum

<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>Dielectric Withstanding Voltage:</b>	1000 VAC, RMS. 60Hz. 1 minute

### Other Parameters

Operating Temperature:	-40 °C to 70 °C
Lead Soldering Temperature:	260 °C (5 sec)

## Ordering Information



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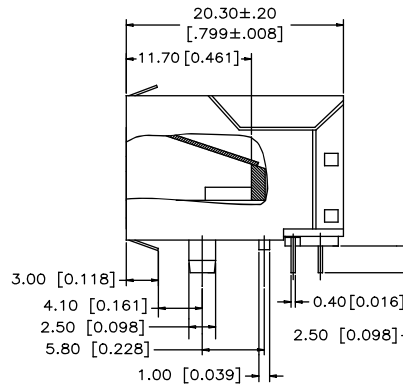
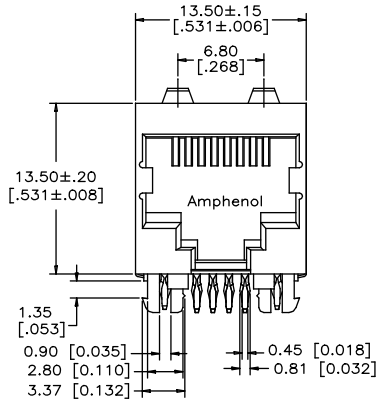
# RJE56 SERIES

RECESSED, LOW PROFILE

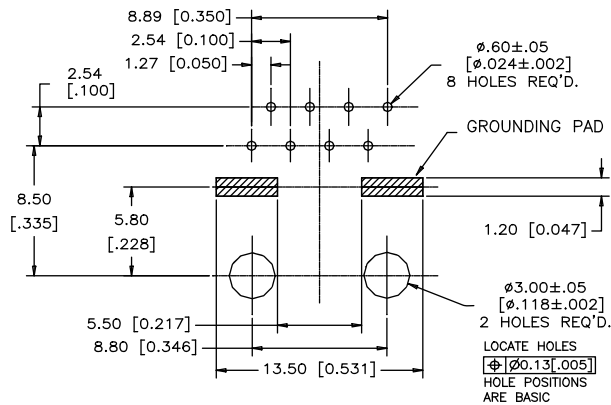
## Single Port

RJE56-188-1410

### Shielded



### 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 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

<b>Housing:</b>	High temperature thermoplastic. Complies with UL 94V-0, black colour
<b>Contacts:</b>	Phosphor bronze hard temper with gold plating options 50µ" minimum nickel on contact mating area. 100µ" minimum matte tin on solder tails
<b>Shield:</b>	Stainless steel with tin dipped tails
<b>LED:</b>	Tin plating on LED tails

### Mechanical

<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. Maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating and unmating cycles

### Recommended Soldering

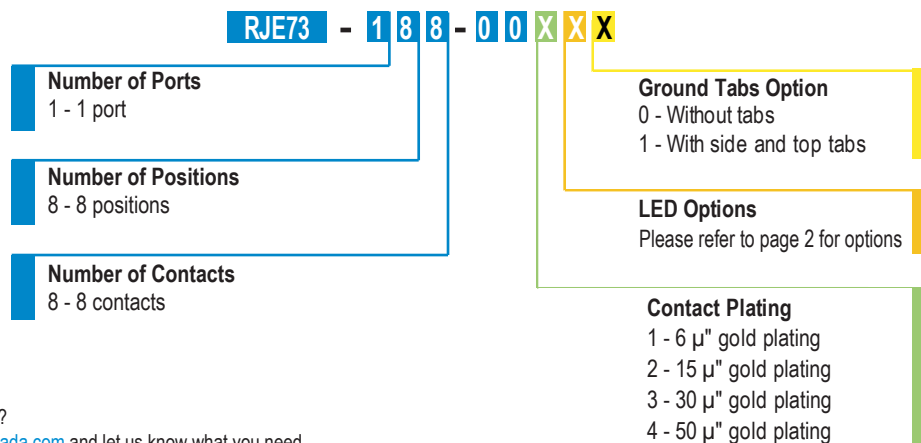
<b>Temperature:</b>	245°C for 8 to 10 seconds maximum
<b>Operating Temperature:</b>	-55°C to +85°C

### Electrical

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

UL File # : E135615

## Ordering Information



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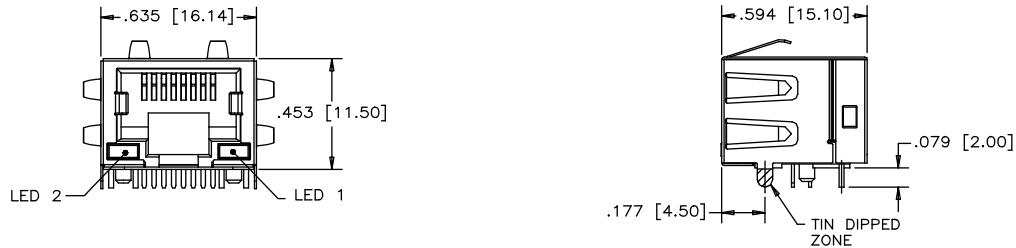
# RJE73 SERIES

RJ45 LOW PROFILE WITH LEDS

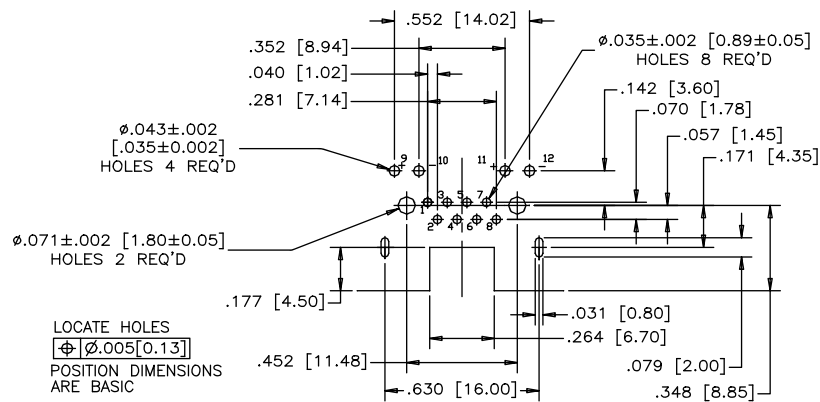
## Single Port

RJE73-188-00411

### Shielded



### PCB Layout



### Notes

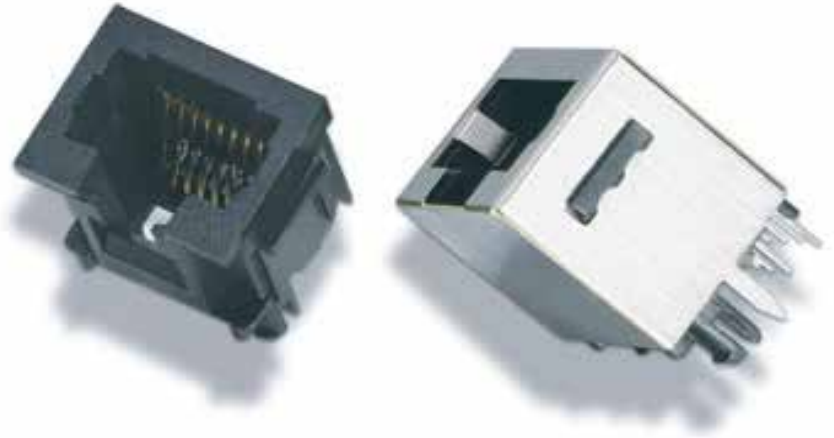
# RJE06 SERIES

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, RJ11 & RJ45 configurations.



## Specifications

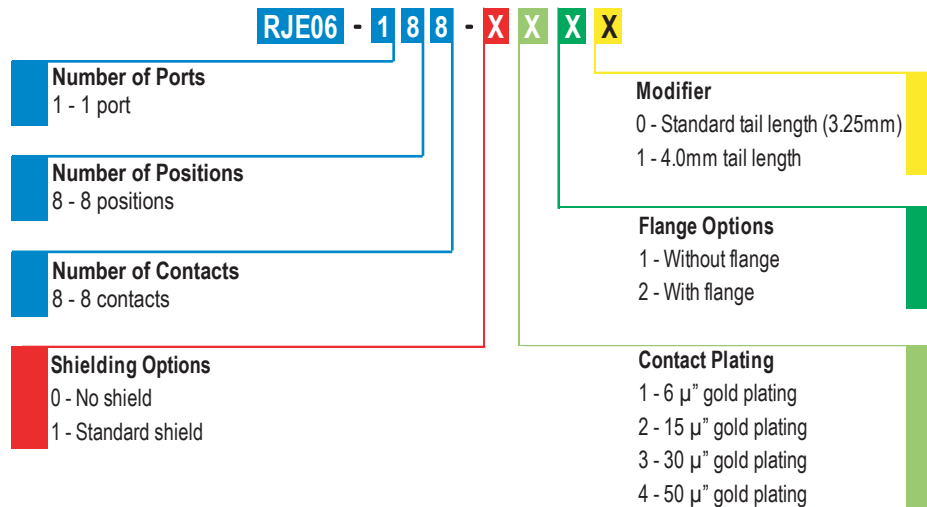
### Materials

<b>Housing:</b>	High strength thermoplastic polyester flammability rating UL94V-0
<b>Contacts:</b>	Phosphor bronze
<b>Contact Plating:</b>	Gold over nickel on mating area, matte-tin plating on soldering tail

<b>Shield:</b>	Copper alloy, nickel plated with tin dipped tail
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<b>Electrical</b>	
<b>UL File #:</b>	E136228

## Ordering Information



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# RJE06 SERIES

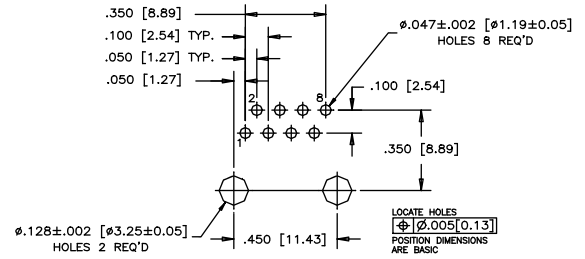
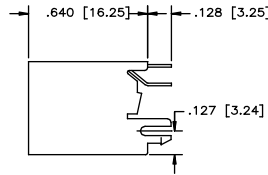
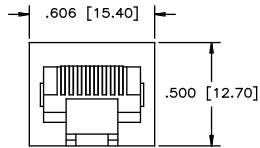
SINGLE PORT SLIM PROFILE

## Single Port

RJE06-188-0410

### Non-Shielded

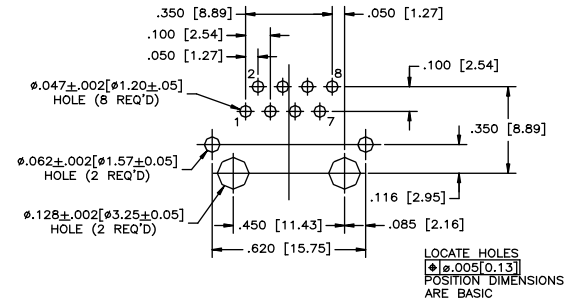
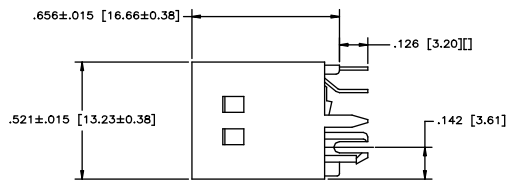
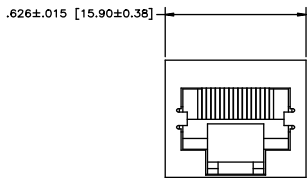
### PCB Layout



RJE06-188-1410

### Shielded

### PCB Layout



## Notes

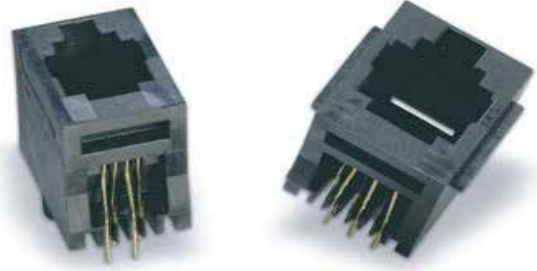
# RJE08 SERIES

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 family include with & without flange, RJ11 & RJ45 configurations.



## Specifications

### Material

**Housing:** High Strength Thermoplastic  
Polyester Flammability Rating  
UL94V-0

**Contacts:** Phosphor bronze

### Contact Plating:

Gold over nickel on mating area, matte-tin plating on soldering tail

### Electrical

**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 - Without flange  
2 - Flanged

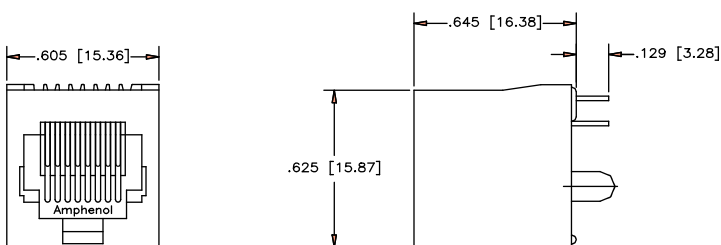
**Contact Plating**  
1 - 6  $\mu$ " gold plating  
2 - 15  $\mu$ " gold plating  
3 - 30  $\mu$ " gold plating  
4 - 50  $\mu$ " gold plating

**Shield Options**  
0 - No shield

Didn't find what you were looking for?  
Please contact [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com) and let us know what you need.

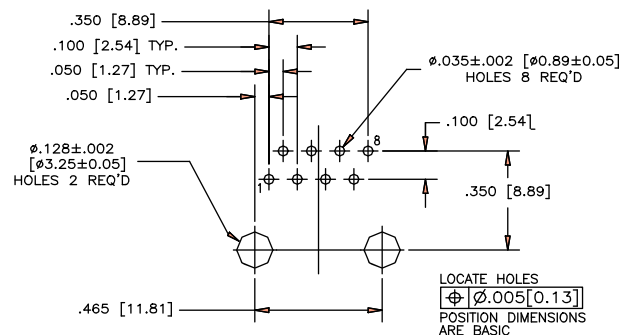
## Single Port

### Non-Shielded



RJE08-188-0410

### PCB Layout



# 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

<b>Housing:</b>	High temperature thermoplastic. Complies with UL 94V-0, black colour
<b>Shield:</b>	Copper alloy; Matte tin plating
<b>Contacts:</b>	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 over nickel on soldering tail
<b>Hold Down:</b>	Copper alloy; Matte tin plating
<b>Coplanarity:</b>	Maximum gap between all terminal tails is .004"

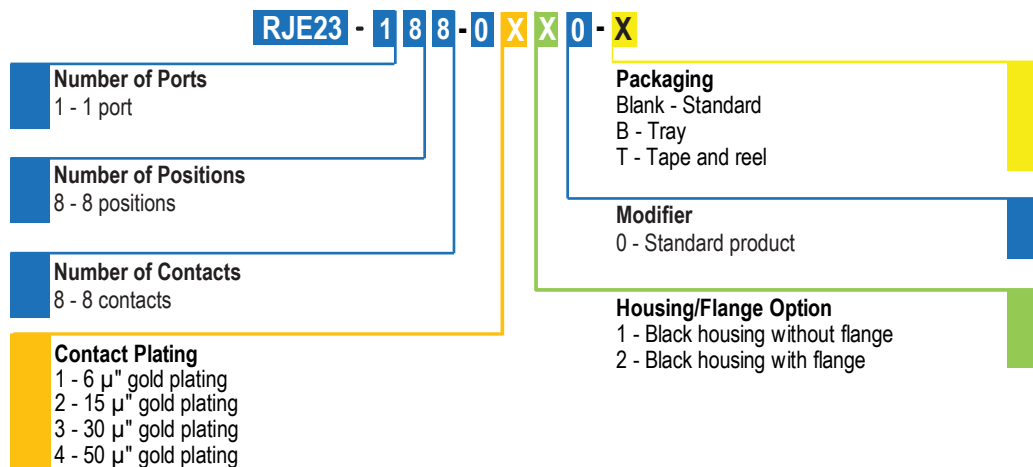
### Electrical

<b>Contact Resistance:</b>	20 Milliohms maximum
<b>Insulator Resistance:</b>	500 Megohms minimum at 500V DC for 2 minutes maximum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>DWV:</b>	1000 VAC, 60 Hz. 1 minute

### Mechanical

<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. Maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating & unmating cycles
<b>Operating Temperature:</b>	-55°C to + 85°C
Connector is suitable for IR reflow	

## Ordering Information



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# RJE23 SERIES

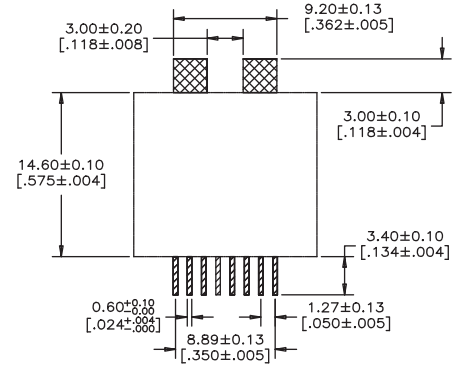
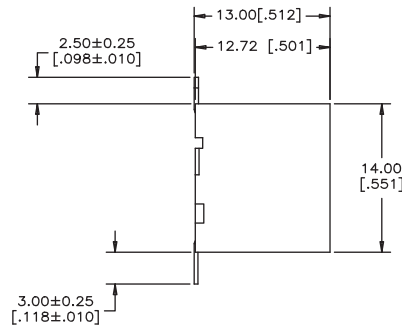
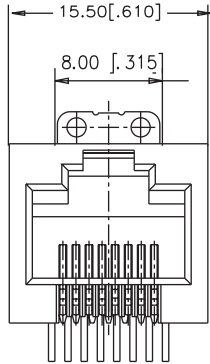
SINGLE PORT SURFACE MOUNT

## Single Port

RJE23-188-0410

### Non-Shielded

### PCB Layout



### Notes

# RJE74 SERIES

SINGLE PORT

## Single Port

The RJE74 is built to fit your registered jack requirements. It is a vertical 10P10C available with RMK4 keying and superior EMI shielding. Includes optional Mylar cover for automated assembly equipment.



## Specifications

### Material

<b>Housing:</b>	High temperature thermoplastic. Complies with UL 94V-0. Black colour
<b>Contacts:</b>	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
<b>Shield:</b>	Stainless steel; pure tin dipped tails
<b>LED:</b>	Tin plating on LED tails

### Electrical

<b>Contact Resistance:</b>	20 milliohms maximum
<b>Insulation Resistance:</b>	500 megohms minimum at 500V DC for 2 minutes maximum
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>DWV:</b>	1000 VAC, 60 Hz. 1 minute

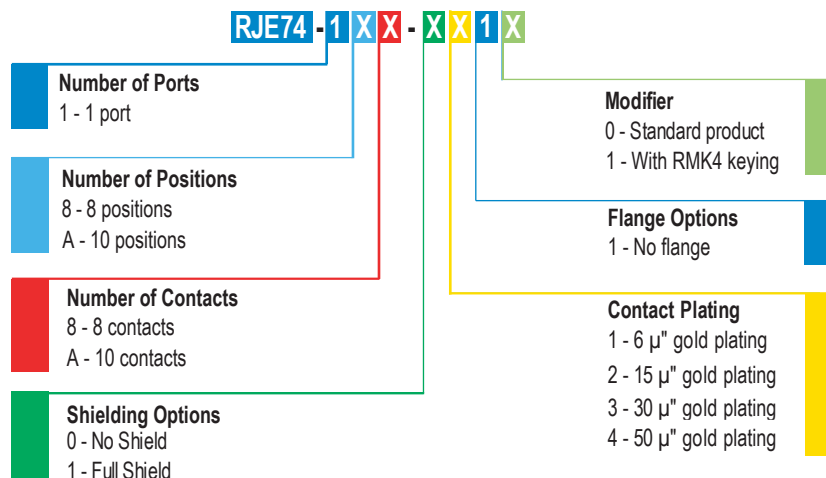
### Mating Connector Pull

<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating and unmating cycles

### Mechanical

<b>Mating Connector Insertion Force:</b>	5.0 lbs. Maximum
<b>Recommended Soldering Temperature:</b>	260°C for 5 seconds maximum
<b>Operating Temperature:</b>	-55°C to +85°C
<b>UL File # :</b>	E135615

## Ordering Information



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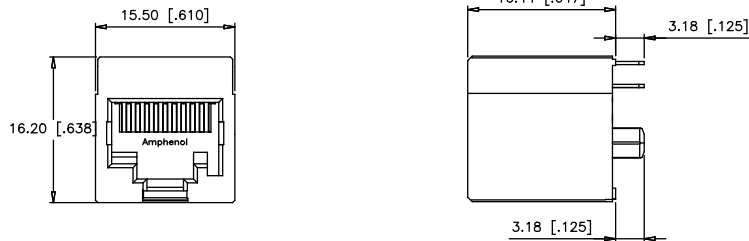
# RJE74 SERIES

SINGLE PORT

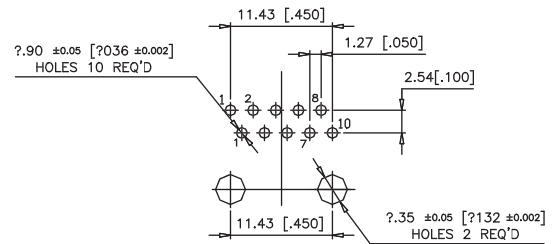
## Single Port

Non-Shielded

RJE74-1AA-0411

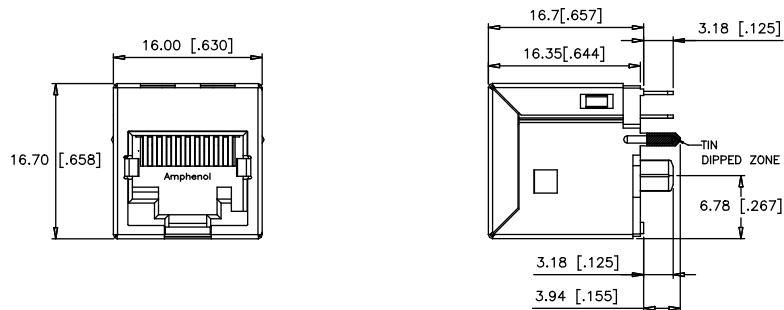


## PCB Layout

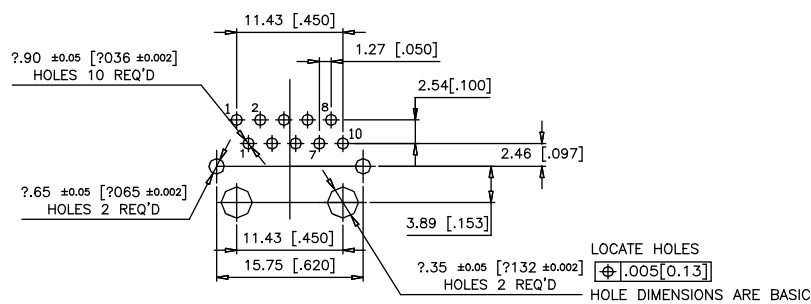


## Shielded

RJE74-1AA-1411



## PCB Layout



# 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. It's 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 variety of LED combinations and port configurations.



## Specifications

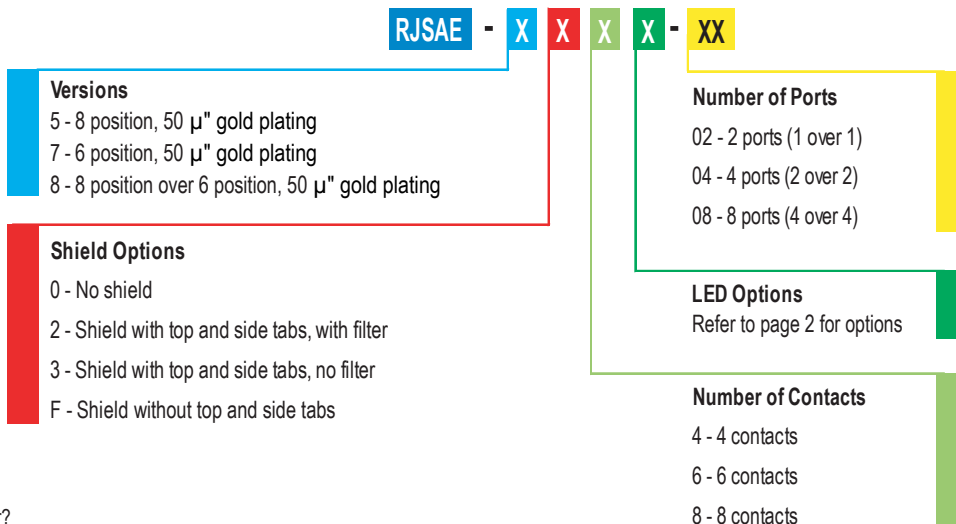
### Mechanical

<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. minimum
<b>Durability:</b>	750 mating and unmating cycles
<b>Recommended Soldering Temperature:</b>	Wave soldering peaked at 260°C for 5 seconds maximum
<b>Operating Temperature:</b>	-55°C to + 85°C

### Electrical

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

## Ordering Information



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# RJSAE SERIES

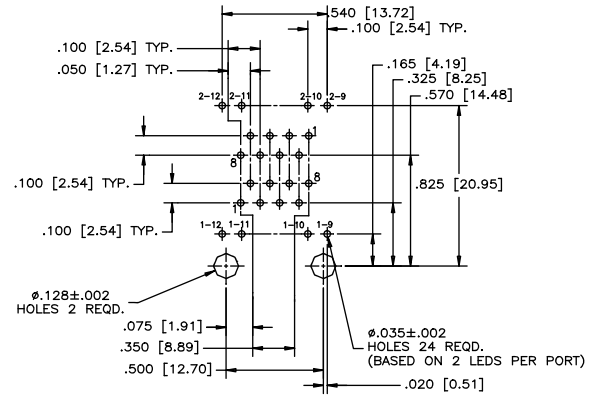
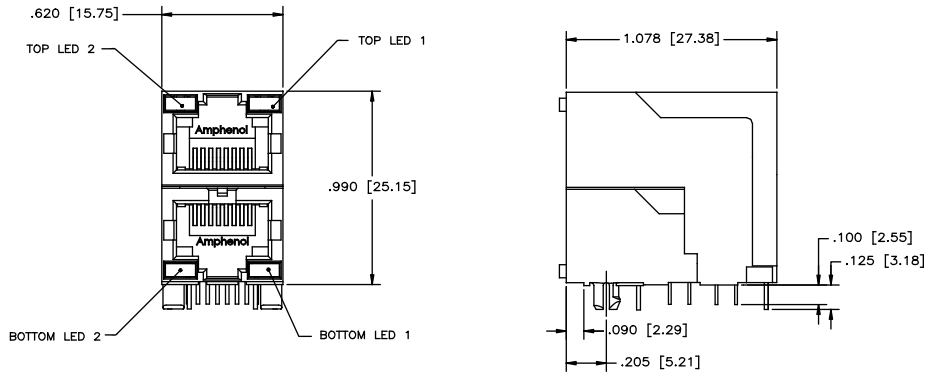
2, 4, AND 8 PORTS WITH LEDS AND SHIELD OPTIONS

## Single Port

RJSAE-5081-02

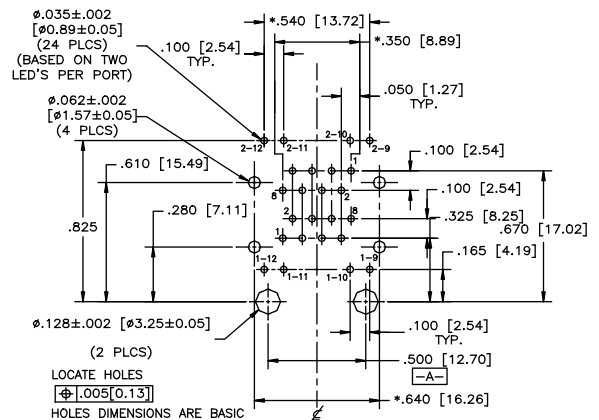
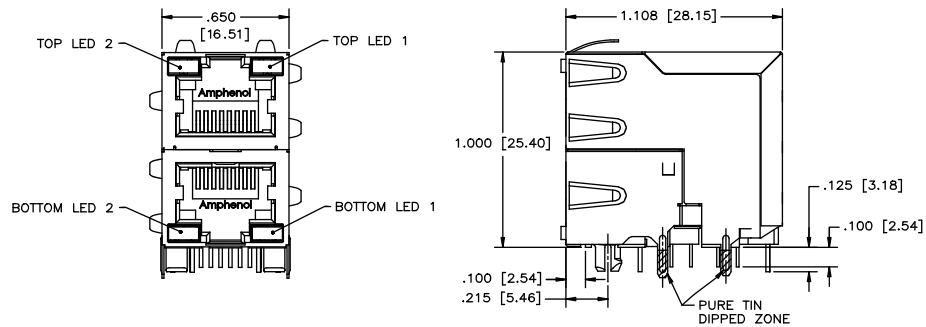
### Non-Shielded

### PCB Layout



### Shielded

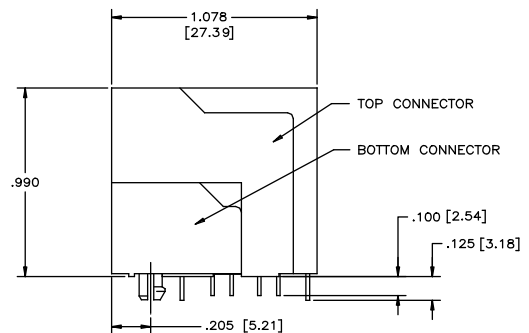
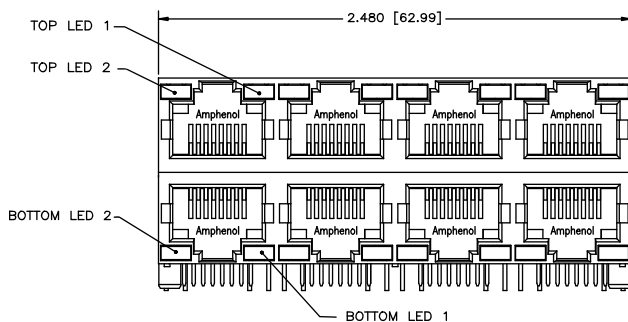
### PCB Layout



## Multi Port

RJSAE-5081-08

### Non-Shielded





# 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 option 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.



## Specification

### Mechanical

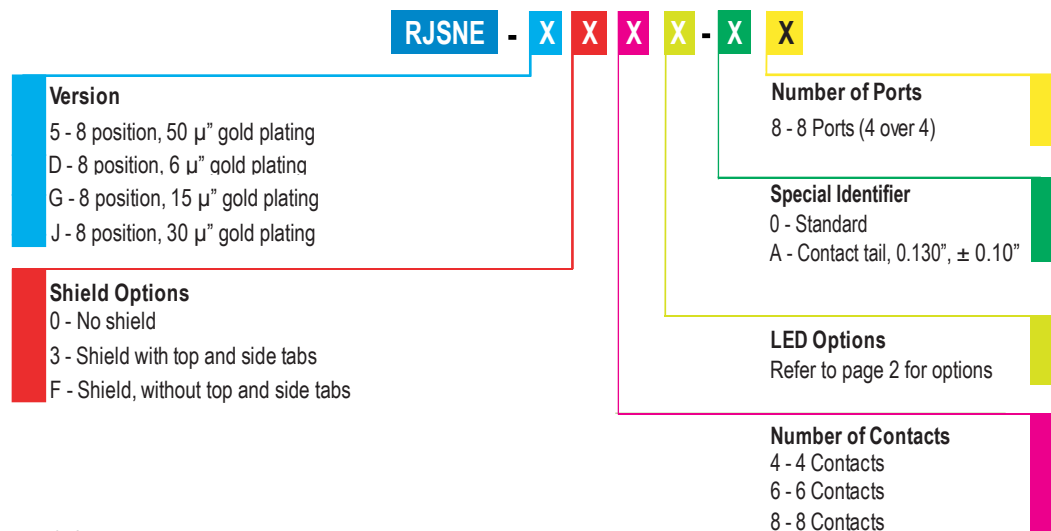
<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. minimum
<b>Durability:</b>	750 mating and unmating cycles
<b>Recommended Soldering Temperature:</b>	Wave soldering peaked at 260°C for 5 seconds maximum
<b>Operating Temperature:</b>	-55°C to + 85°C

### Electrical

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

UL File # : E135615

## Ordering Information



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Please contact [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com) and let us know what you need.

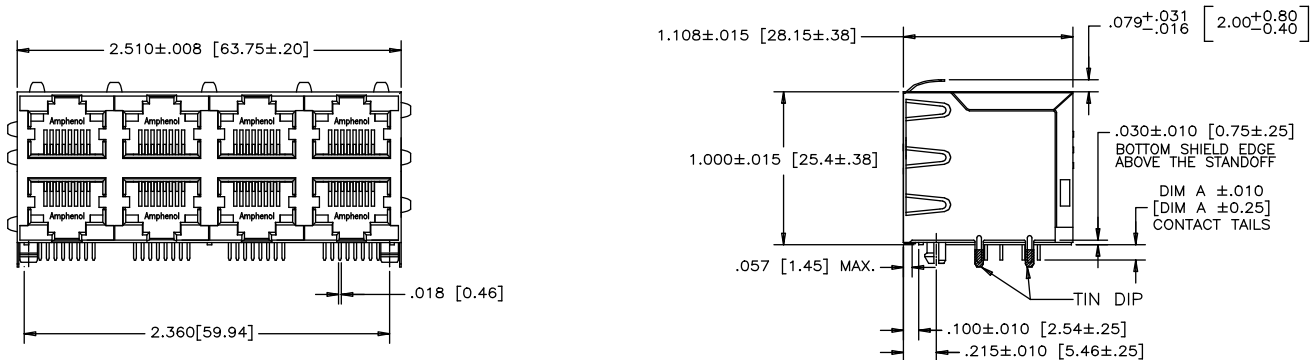
# RJSNE SERIES

4 OVER 4 PORTS WITH LED AND SHIELD OPTIONS

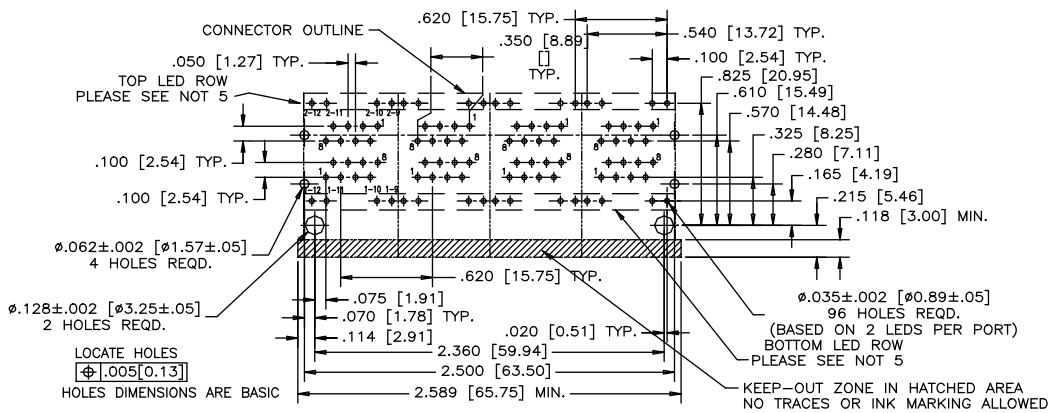
## Multi Port

RJSNE-5381-A8

## Shielded



## PCB Layout



## Notes

# RJE72 SERIES

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

<b>Housing:</b>	High temperature thermoplastic. Complies with UL 94V-0. Black colour
<b>Contacts:</b>	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 on solder tails
<b>Shield:</b>	Stainless steel with tin dipped tails
<b>LED:</b>	Steel with tin plating on LED tails. Epoxy lens

### Mechanical

<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. Maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating and unmating cycles

### Recommended Soldering Temperature:

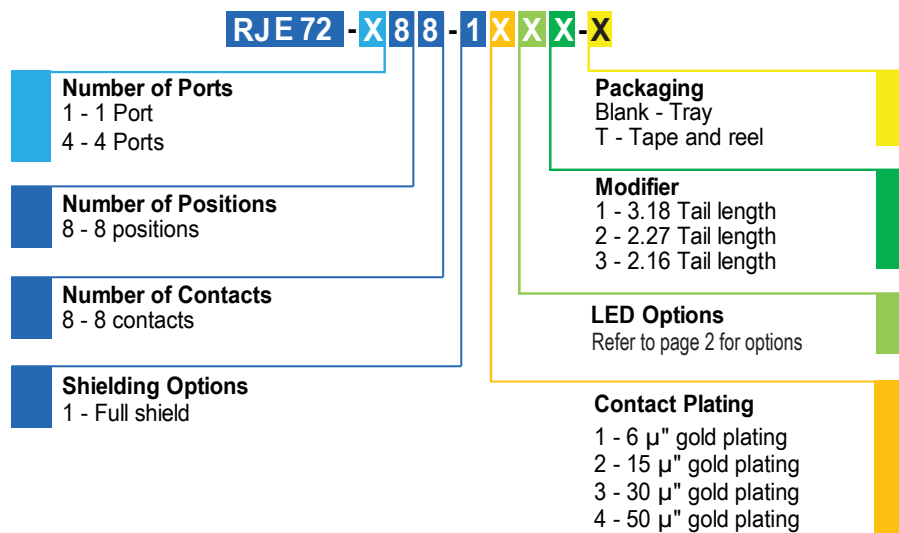
- a) Wave soldering peaked at 260°C for 5 seconds maximum, or
  - b) IR reflow peaked at 260°C for 5 to 8 seconds
- Operating Temperature:** -55°C to + 85°C

### Electrical

<b>Contact Resistance:</b>	20 Milliohms maximum
<b>Insulation Resistance:</b>	500 Megohms minimum at 500V DC for 2 minutes maximum
<b>Current Rating:</b>	1.25 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>DWV:</b>	1000 VAC, 60 Hz. 1 minute
<b>LED Forward DC Current:</b>	20mA typical
<b>LED Forward Voltage:</b>	1.9 Volts maximum @ 2mA (for single colours)
<b>LED Reverse Voltage:</b>	5 Volts minimum
<b>LED Light Intensity:</b>	0.4 to 1.5 mcd @ 2mA (for single colours)
<b>LED Wave Length:</b>	Yellow: 587 $\pm$ 7 nm measured @ 20mA Green: 565 $\pm$ 6 nm measured @ 20mA Red: 625 $\pm$ 5 nm measured @ 20mA

UL File #: E135615

## Ordering Information



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# RJE72 SERIES

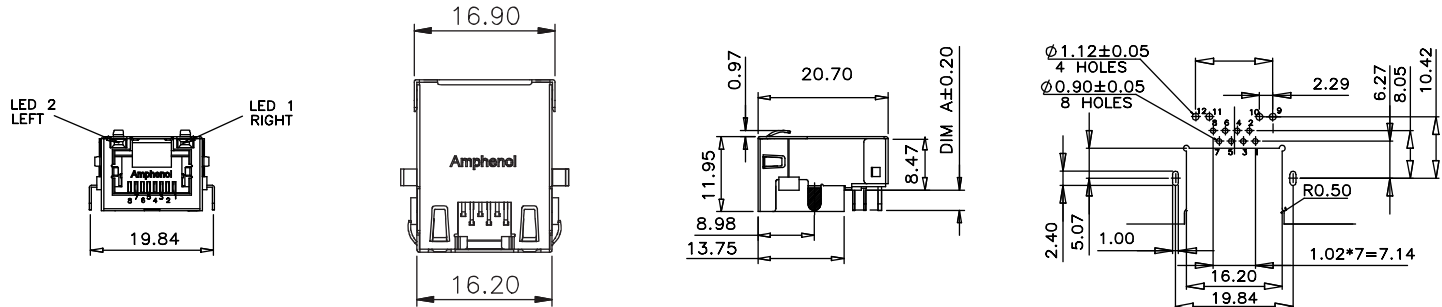
RIGHT ANGLED, RECESSED, LOW PROFILE

## Single Port

RJE72-188-1411

Shielded

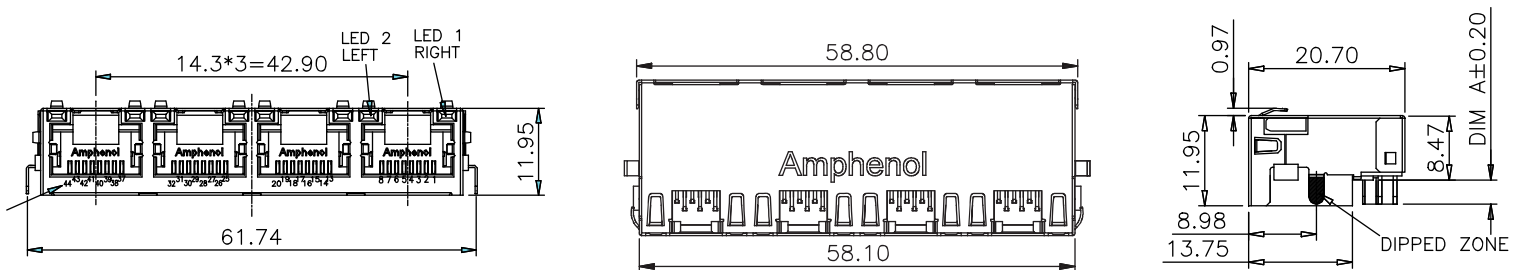
PCB Layout



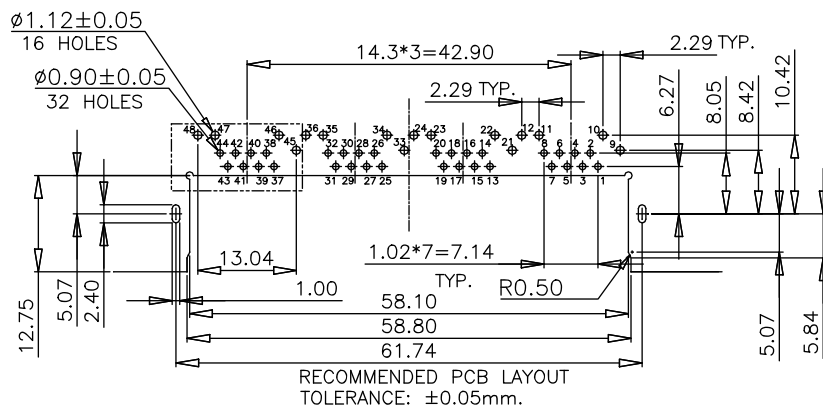
## Multi Port

RJE72-488-1411

Shielded



PCB Layout



# RJE71 SERIES

RIGHT ANGLED, RECESSED, LOW PROFILE

## Right Angled, Recessed, Low Profile

The RJE71 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

<b>Housing:</b>	High temperature thermoplastic. Complies with UL 94V-0. Black colour
<b>Contacts:</b>	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 on solder tails
<b>Shield:</b>	Stainless steel with tin dipped tails
<b>LED:</b>	Tin plating on LED tails

### Mechanical

<b>Mating Connector</b>	
<b>Insertion Force:</b>	5.0 lbs. Maximum
<b>Mating Connector Pull</b>	
<b>Retention Force:</b>	20 lbs. Minimum
<b>Durability:</b>	750 Mating and unmating cycles

### Recommended Soldering Temperature:

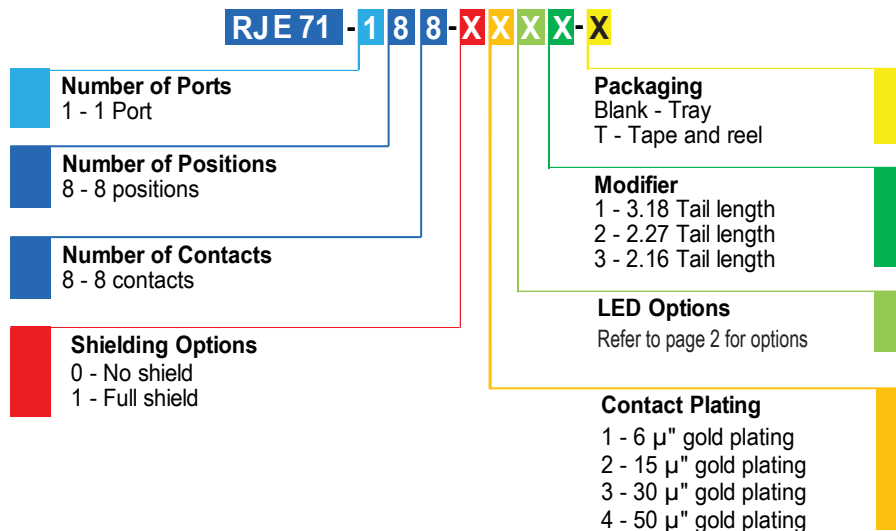
- a) Wave soldering peaked at 260°C for 5 seconds maximum, or
  - b) IR reflow peaked at 260°C for 5 to 8 seconds
- 55°C to + 85°C

### Operating Temperature:

### Electrical

<b>Contact Resistance:</b>	20 Milliohms maximum
<b>Insulation Resistance:</b>	500 Megohms minimum at 500V DC for 2 minutes maximum
<b>Current Rating:</b>	1.25 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>DWV:</b>	1000 VAC, 60 Hz. 1 minute
<b>LED Forward DC Current:</b>	20mA typical
<b>LED Forward Voltage:</b>	1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours)
<b>LED Reverse Voltage:</b>	5 Volts minimum
<b>LED Light Intensity:</b>	0.4 to 1.5 mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours)
<b>LED Wave Length:</b>	Yellow: 587 $\pm$ 7 nm measured @ 20mA Green: 565 $\pm$ 6 nm measured @ 20mA Red: 625 $\pm$ 5 nm measured @ 20mA

## Ordering Information



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# RJE71 SERIES

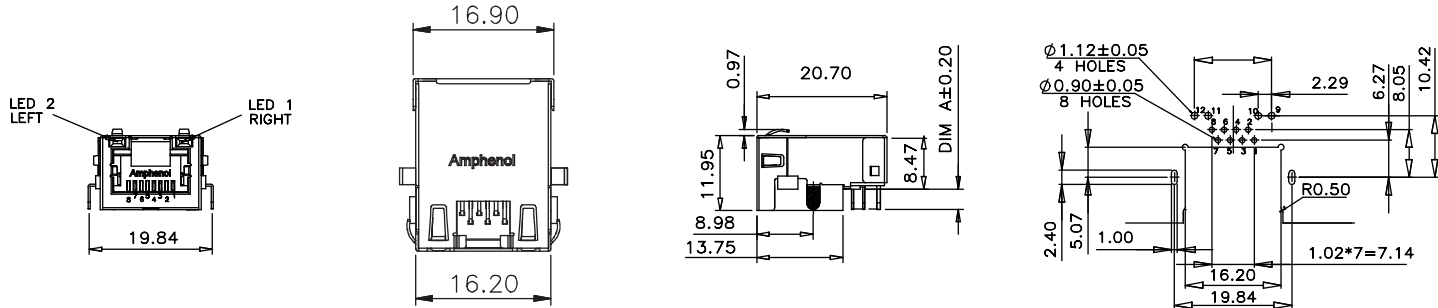
RIGHT ANGLED, RECESSED, LOW PROFILE

## Single Port

RJE71-188-1411

Shielded

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.



## Specification

### Materials

<b>Housing:</b>	High Temperature thermoplastic flammability rating UL 94V-0, color: black
<b>Contacts:</b>	Phosphor bronze
<b>Plating:</b>	6 $\mu$ " [15 microns] minimum gold on mating surfaces, 50 $\mu$ " [1.27 microns] minimum nickel underplate, 100 $\mu$ " [2.54 microns] minimum matte tin or gold flush on contact tails
<b>Shield:</b>	Stainless steel

### Electrical

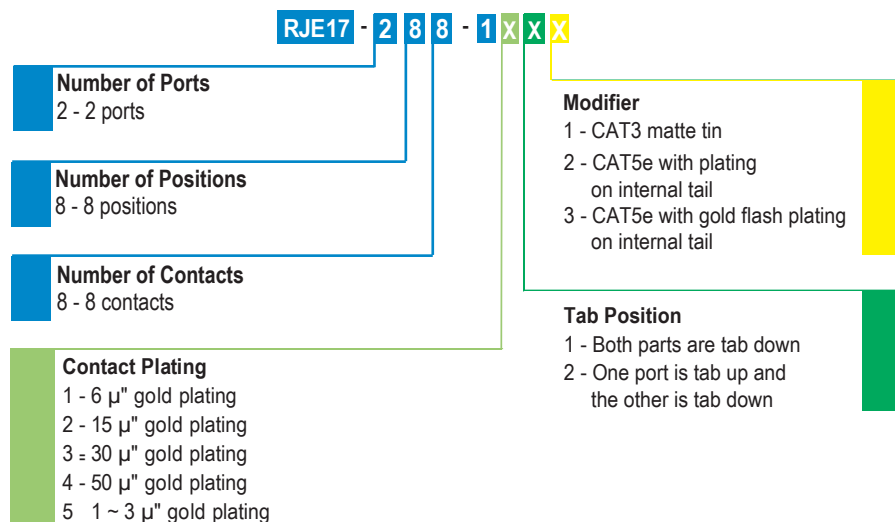
**Contact Resistance:** 20 m $\Omega$  maximum

<b>Insulation Resistance:</b>	500 M $\Omega$ minimum at 500V DC for 2 minutes max.
<b>Current Rating:</b>	1.5 Amps
<b>Voltage Rating:</b>	125 Volts AC
<b>DWV</b>	1000 VAC, 60 Hz. 1 minute

### Mechanical

<b>Mating Connector Insertion Force:</b>	5 lbs. maximum
<b>Mating Connector Pull Retention Force:</b>	20 lbs. minimum
<b>Durability:</b>	750 mating & unmating cycles
<b>Operating Temperature:</b>	-40°C to +85°C

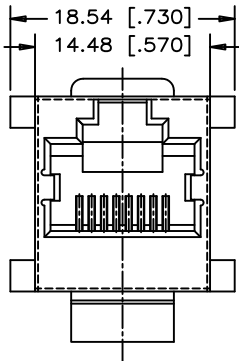
## Ordering Information



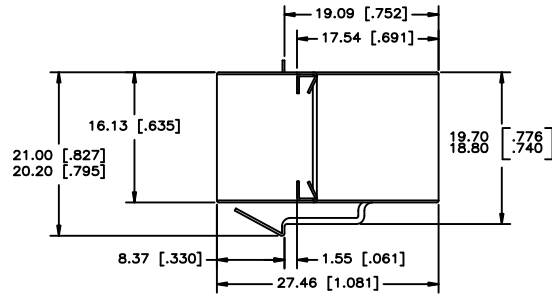
Didn't find what you were looking for?  
Please contact [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com) and let us know what you need.

## Single Port

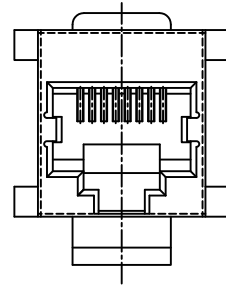
RJE17-288-1121



FRONT VIEW



SIDE VIEW



REAR VIEW

## Notes

The Amphenol logo consists of the word "Amphenol" in a bold, blue, sans-serif font, followed by a registered trademark symbol (®).

**Amphenol®**

*Now you're connected!*

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Telephone: (416) 754-5656

Fax: (416) 754-8668

Email: [sales@amphenolcanada.com](mailto:sales@amphenolcanada.com)

All specifications are subject to change without notice.