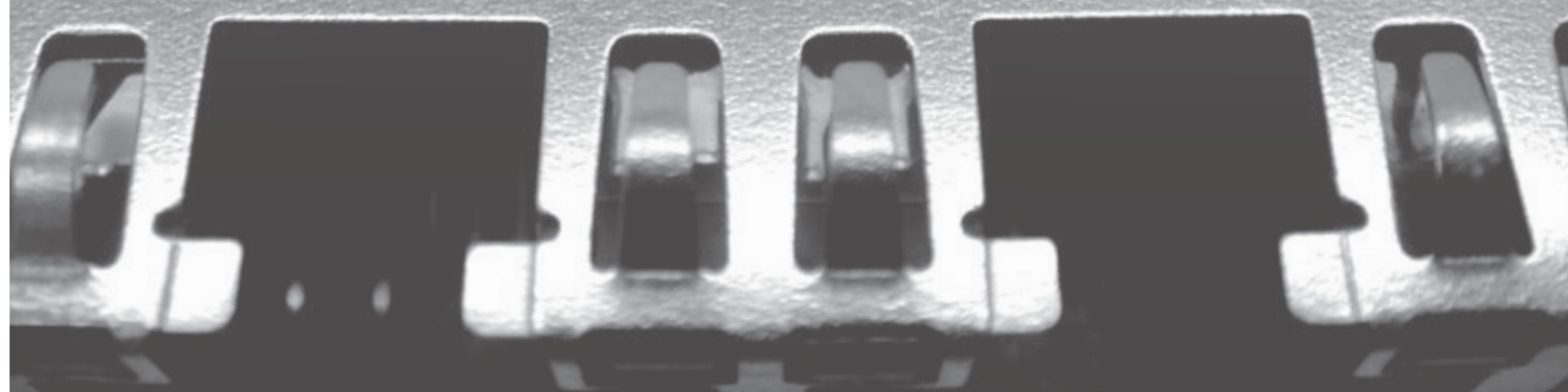


ModularJacks



Amphenol



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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.

Contents

Right Angle (Side Entry)

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

Vertical (Top Entry)

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

Stacked

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

Category 5e

Right Angled, Recessed, Low Profile	RJE72	55-56
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Category 6

Right Angled, Recessed, Low Profile	RJE71	57-58
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Accessories

RJ45 Coupler	RJE17	59-60
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 or email sales@amphenolcanada.com



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



























LED OPTIONS

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

LED Designation

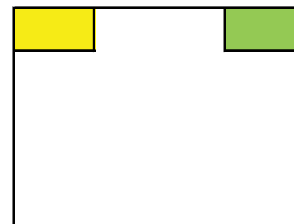
Ex. RJHSE - 538X*

* 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

For RJHSE, RJCSE, RJESE, RJE71, and RJE72

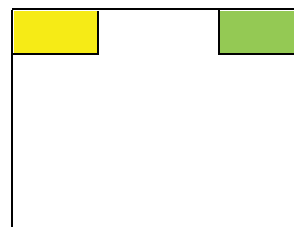
LED 2



LED 1

For RJSBE and RJE73

LED 2



LED 1

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

RJHS SERIES

EMI QUIET WITH LEDs

EMI Quiet Modular Jack with LEDs

A Series of EMI Quiet Modular Jack Connectors with 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

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

Electrical

Contact Resistance:	20 milliohms maximum
Insulation Resistance:	500 megohms minimum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
Dielectric Withstanding Voltage:	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)

UL File # :	E135615
CSA File # :	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

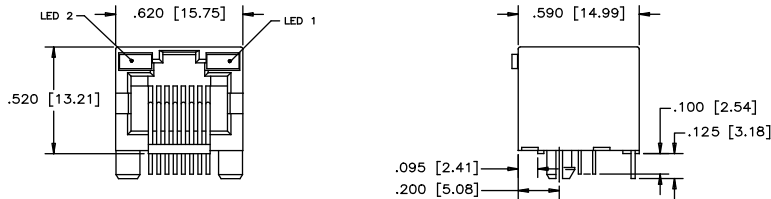
Number of Contacts

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

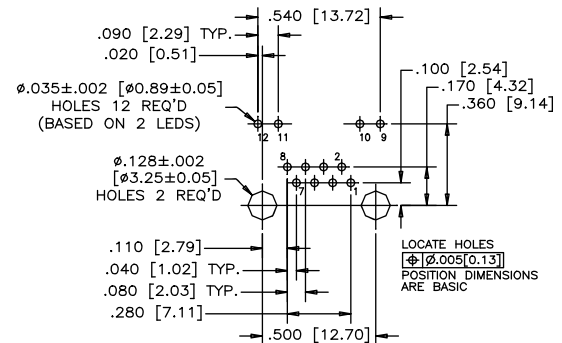
Didn't find what you were looking for?
Please contact sales@amphenolcanada.com and let us know what you need.

Single Port

Non-Shielded

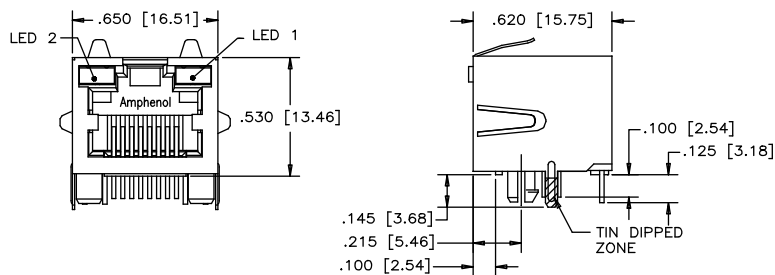


PCB Layout

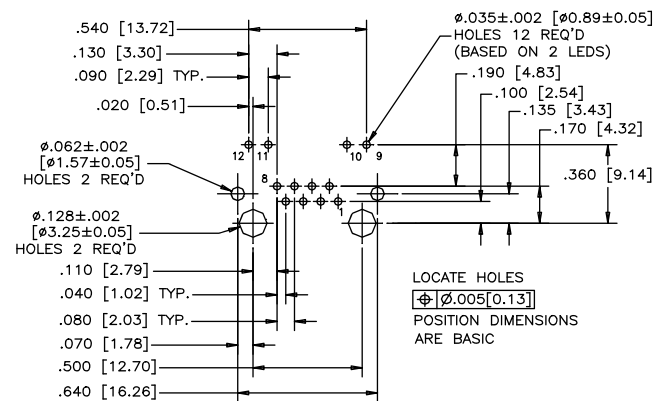


RJHSE-5481

Shielded - With Top & Side Ground Tabs



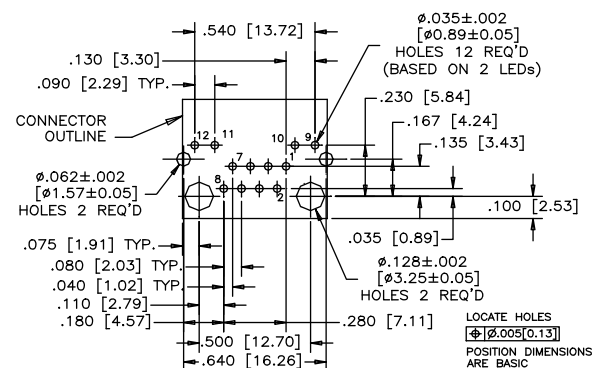
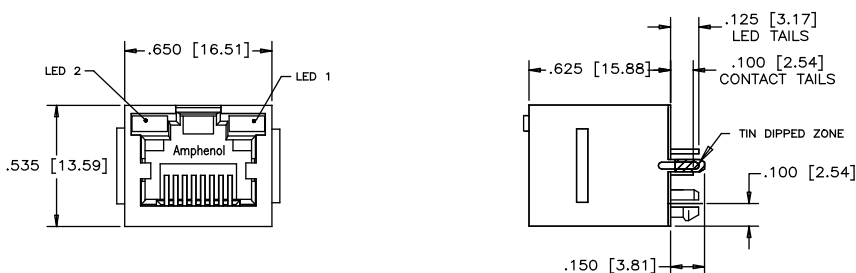
PCB Layout



RJHSE-3381

Vertical Mount

PCB Layout



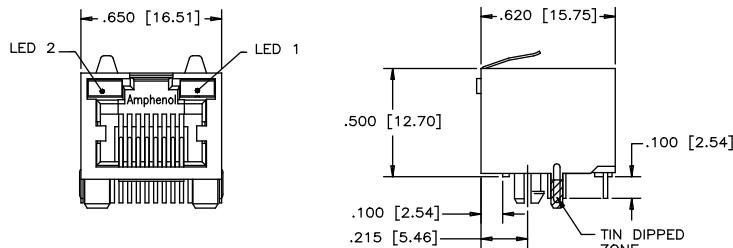
RJHS SERIES

EMI QUIET WITH LEDS

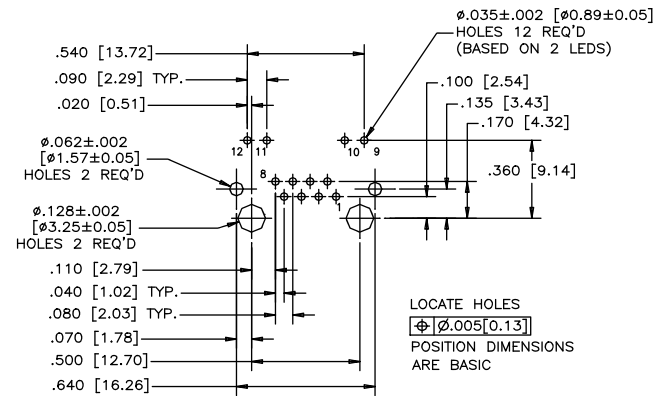
Single Port

Shielded - Low Profile

RJHSE-L381



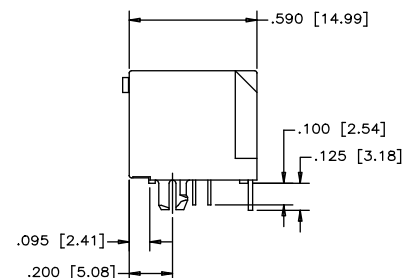
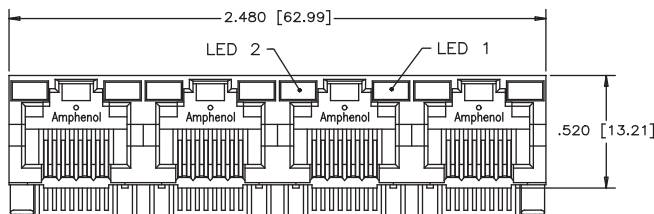
PCB Layout



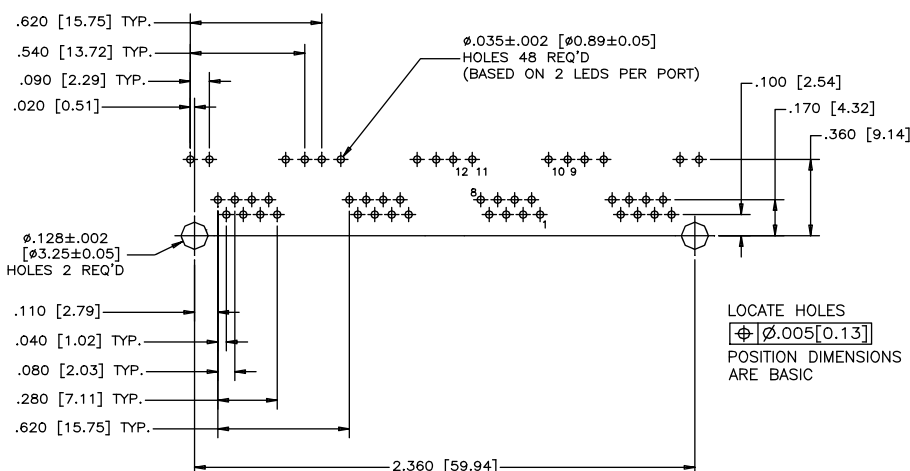
Multi Port

Non-Shielded

RJHSE-5081-04



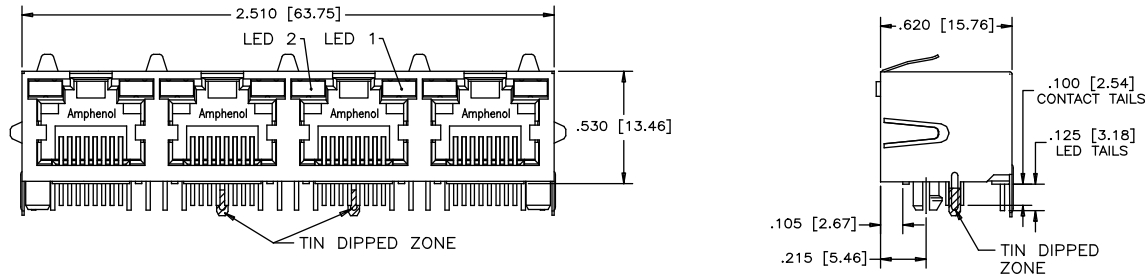
PCB Layout



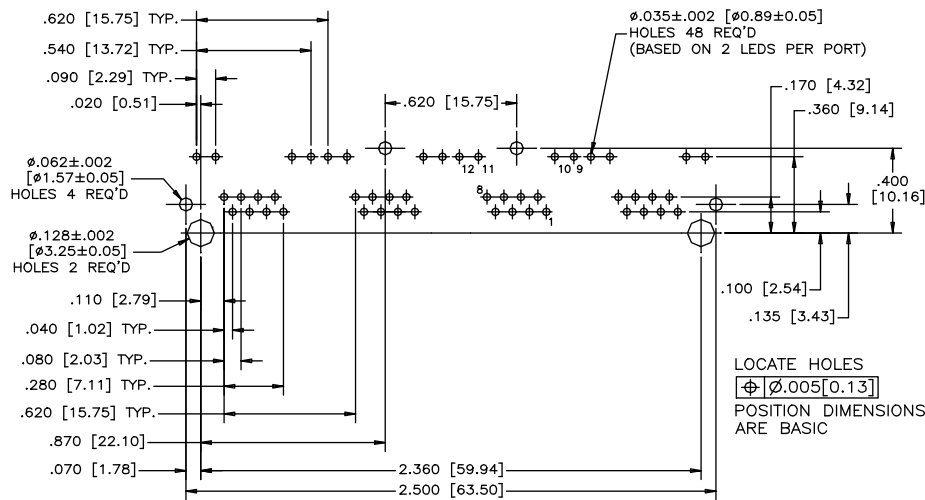
Multi Port

RJHSE-5381-04

Shielded



PCB Layout



Notes

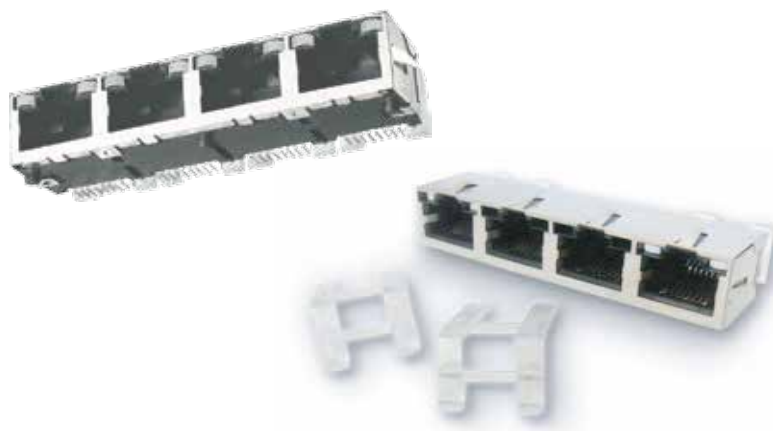
RJSSE SERIES

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

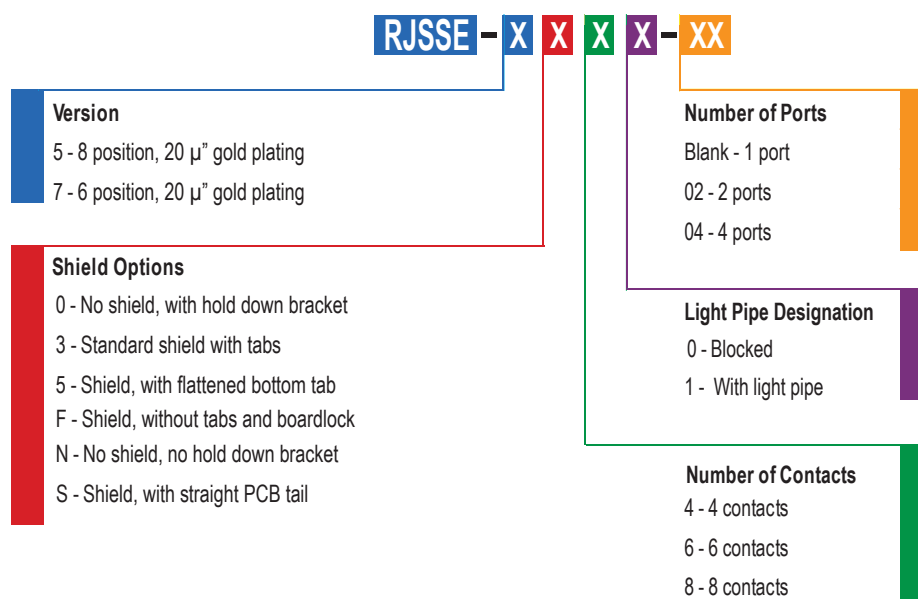
Material

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

Electrical

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

Ordering Information



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

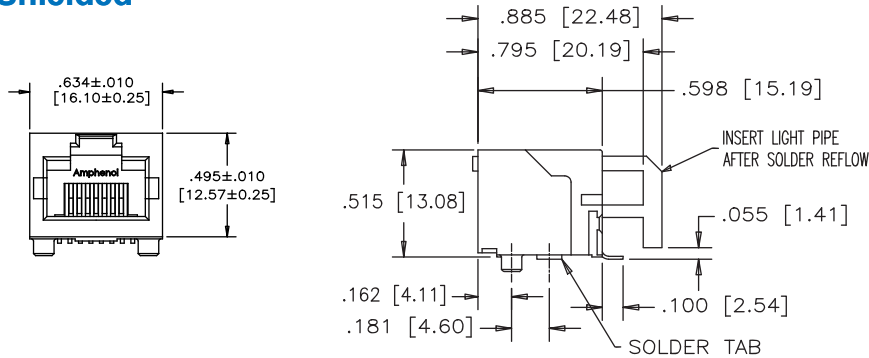
RJSSE SERIES

SURFACE MOUNT WITH LIGHT PIPES

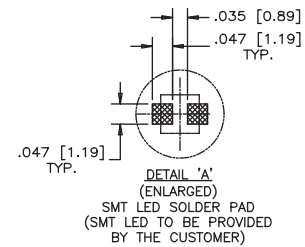
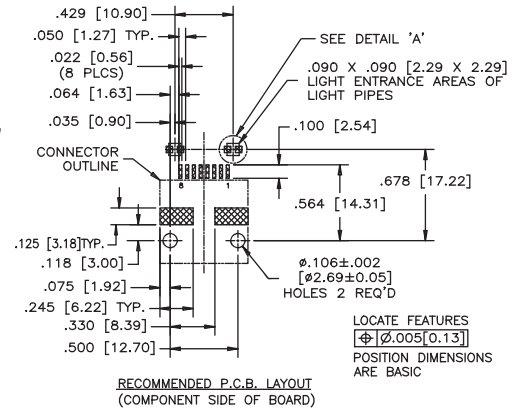
Single Port

RJSSE-5081

Non-Shielded

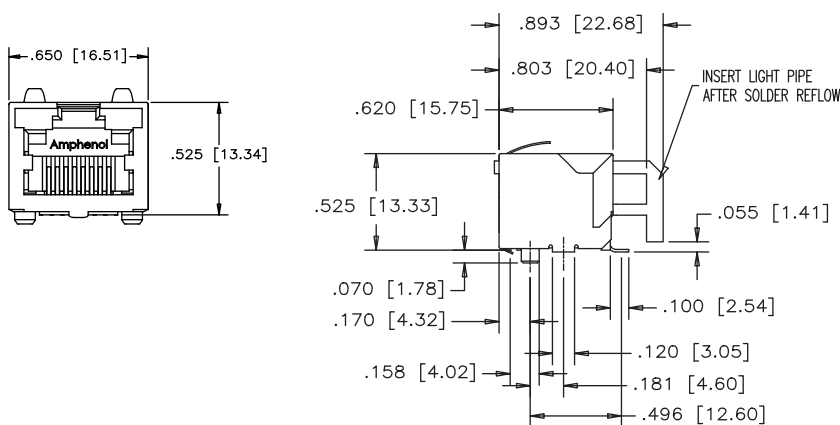


PCB Layout

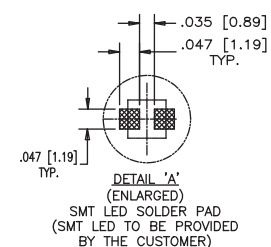
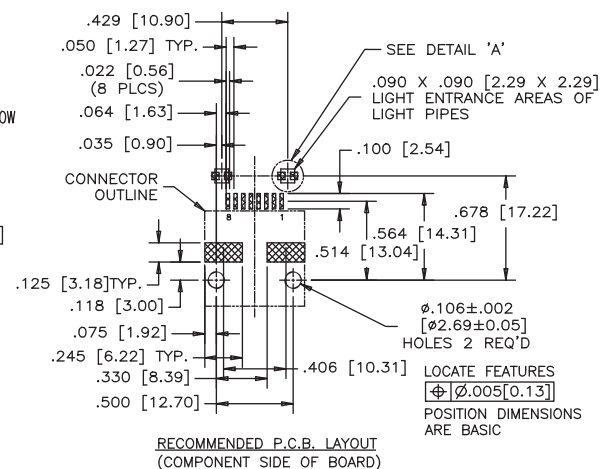


RJSSE-5381

Shielded



PCB Layout



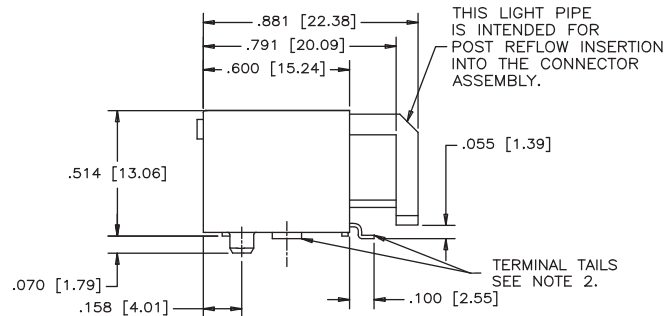
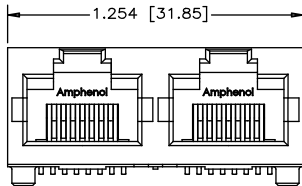
RJSSE SERIES

SURFACE MOUNT WITH LIGHT PIPES

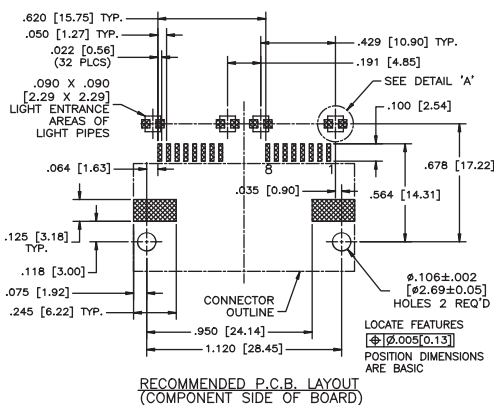
Multi Port

Non-Shielded

RJSSE-5081-02

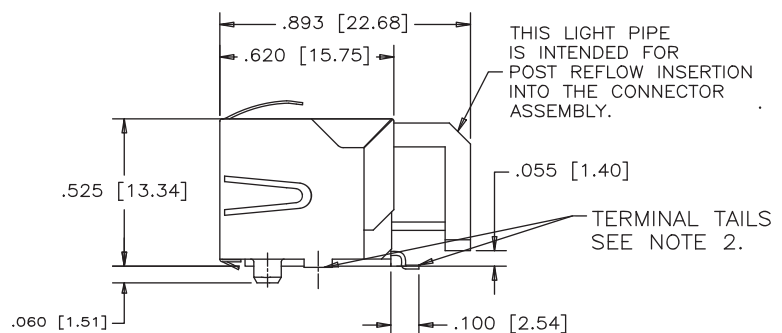
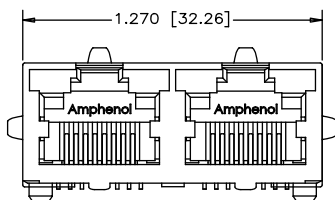


PCB Layout

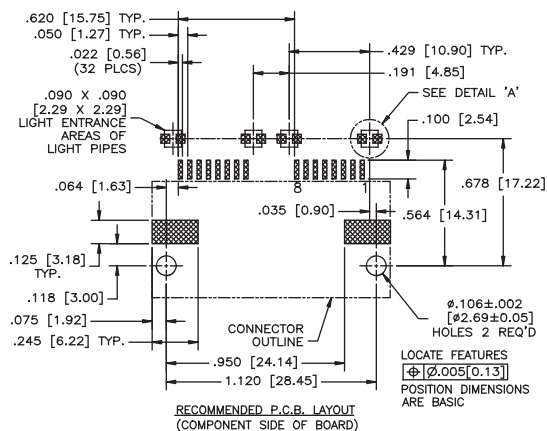


Shielded

RJSSE-5381-02



PCB Layout



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

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

Mechanical

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

Electrical

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

Ordering Information

RJSBE - X X X X - C X	
Version	Number of Ports
5 - 8 position, 50 µ" gold plating	1 - 1 port
7 - 6 position, 50 µ" gold plating	2 - 2 ports
D - 8 position, 6 µ" gold plating	4 - 4 ports
G - 8 position, 15 µ" gold plating	
J - 8 position, 30 µ" gold plating	LED Designation
	Please refer to page 2 for options
Shield Options	Number of Contacts
0 - No shield	4 - 4 contacts
2 - Shield with top and side tabs, filtered	6 - 6 contacts
3 - Shield with top and side tabs, no filter	8 - 8 contacts
F - Shield, with no tabs, no filter	

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

RJSBE SERIES

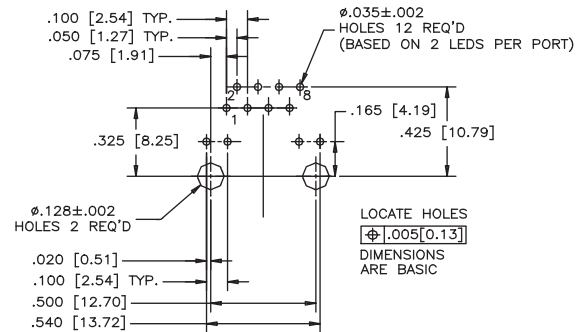
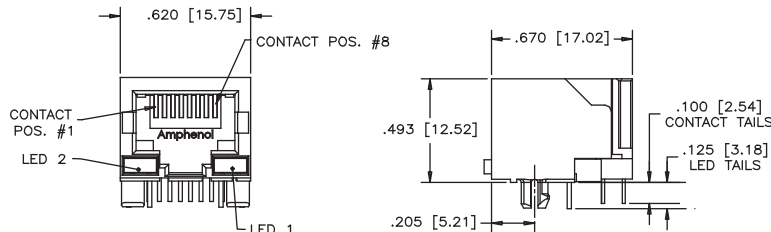
1, 2, AND 4 PORT WITH LEDS

Single Port

RJSBE-5081-C1

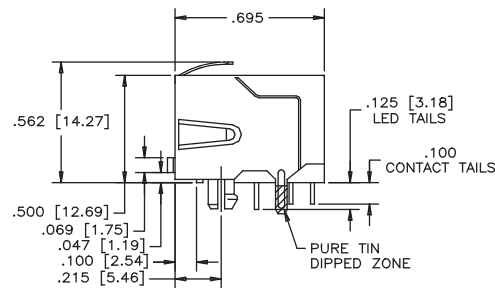
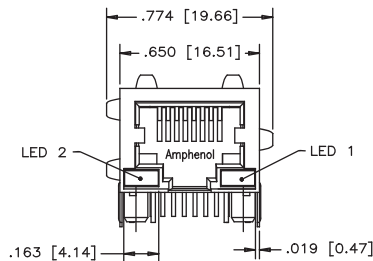
Non-Shielded

PCB Layout

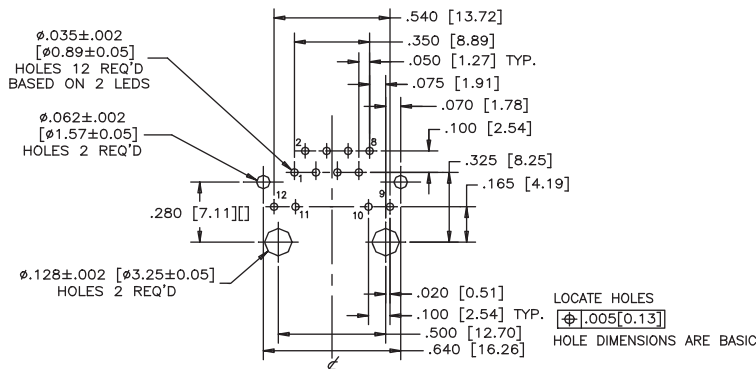


Shielded

RJSBE-5381-C1



PCB Layout



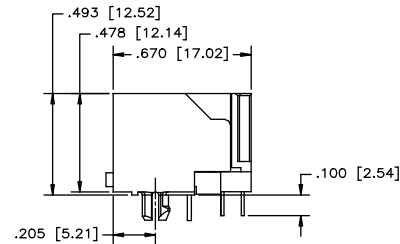
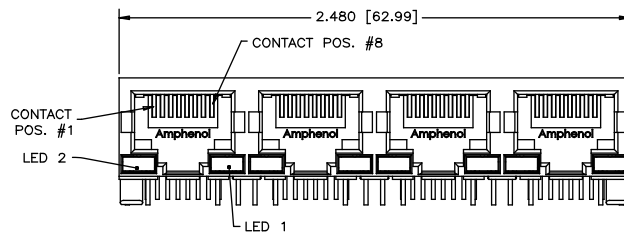
RJSBE SERIES

1, 2, AND 4 PORT WITH LEDS

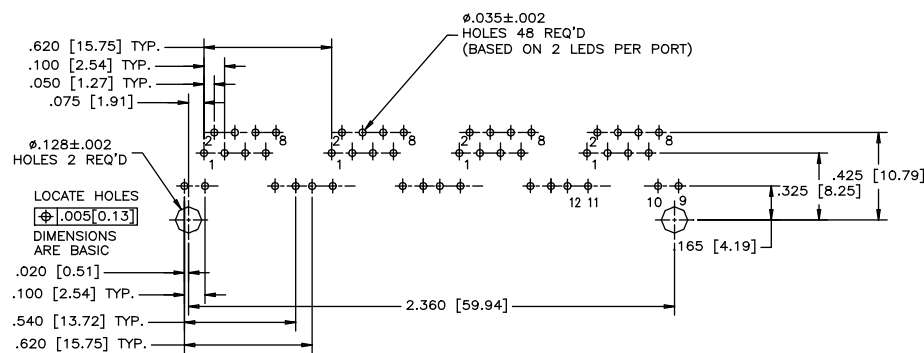
Multi Port

RJSBE-5081-C4

Non-Shielded

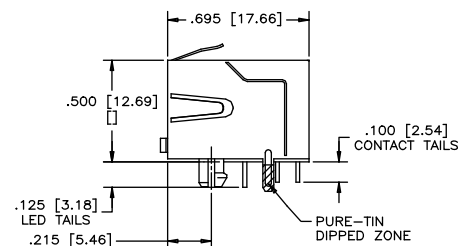
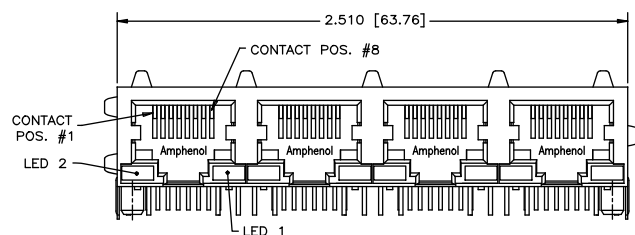


PCB Layout

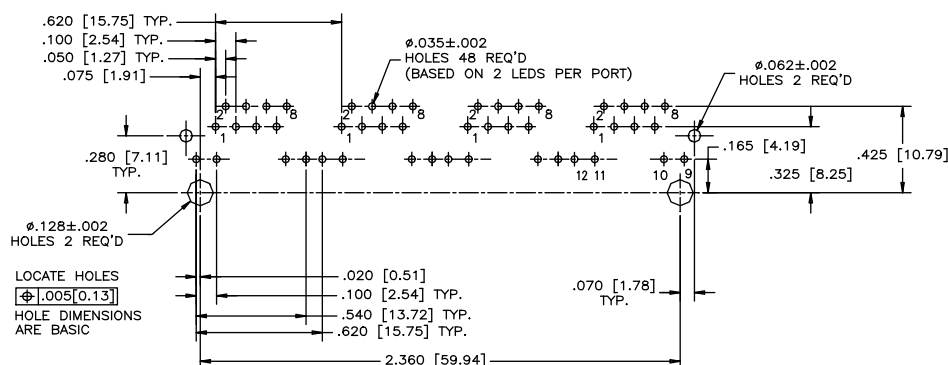


Shielded

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

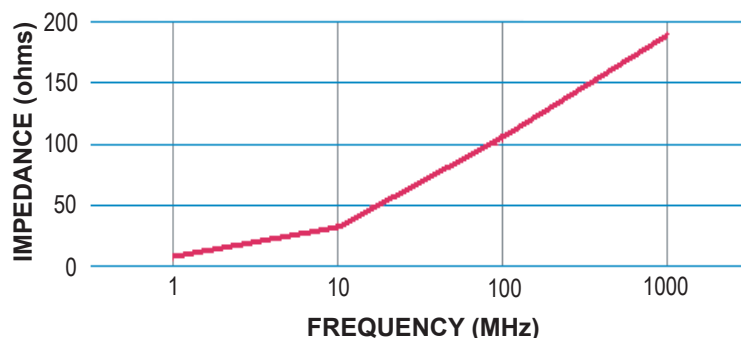
Material

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

Electrical

Contact Resistance:	30 milliohms maximum
Insulation Resistance:	500 megohms minimum at 500 VDC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
Dielectric Withstanding Voltage:	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

Didn't find what you were looking for?

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

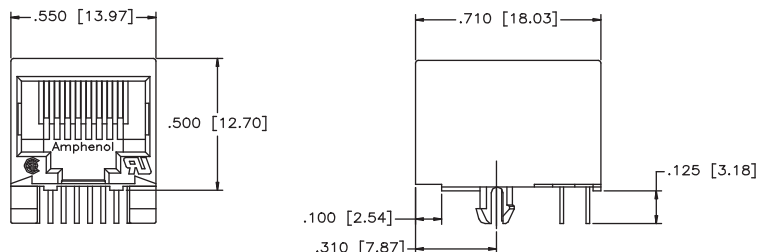
FRJ/FRJAE SERIES

FILTERED AND SHIELDED

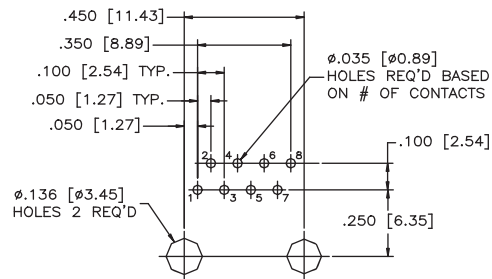
Single Port

FRJAE-408

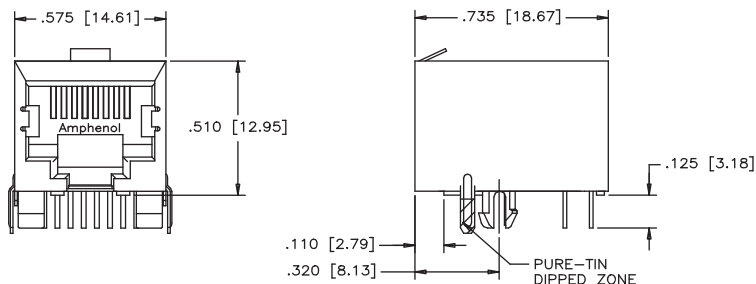
Non-Shielded



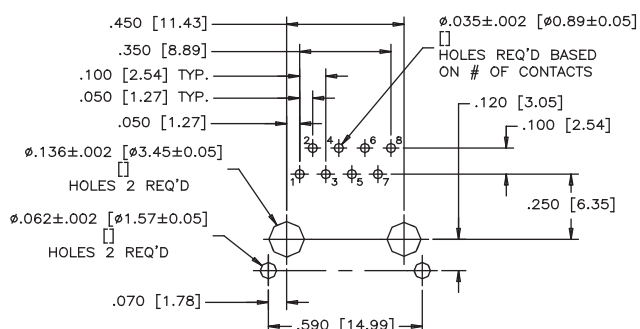
PCB Layout



Shielded



PCB Layout

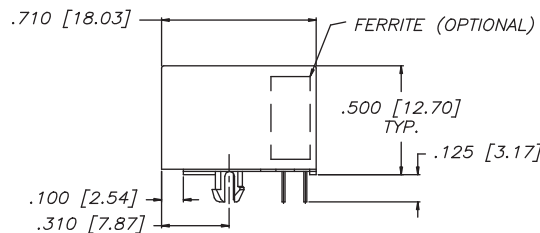
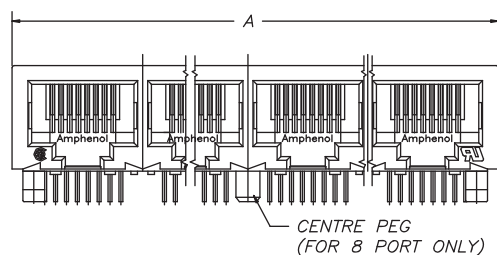


FRJAE-438

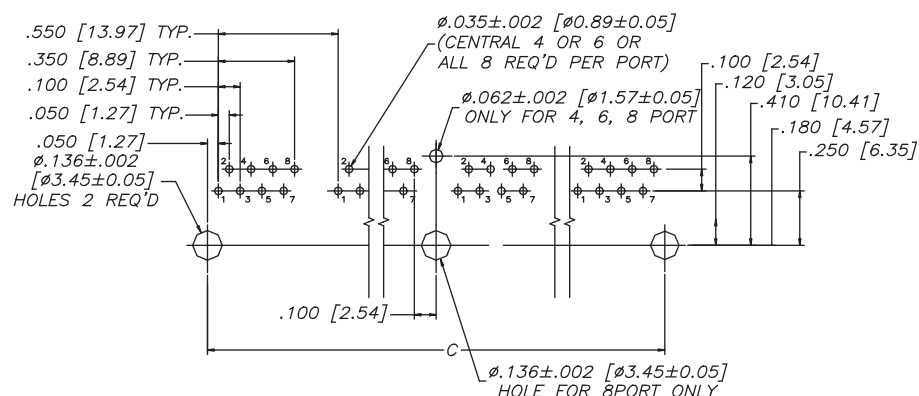
Multi Port

FRJAE-4X8-0X

Non-Shielded



PCB Layout

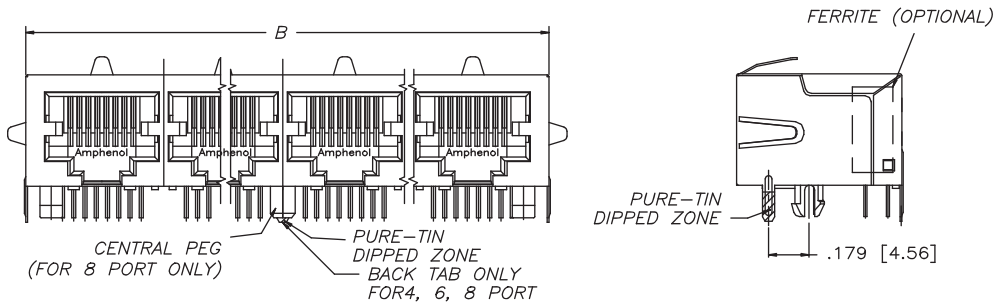


Number of ports	A	C
2	1.200 [30.48]	1.000 [25.40]
4	2.300 [58.42]	2.100 [53.34]
6	3.400 [86.36]	3.200 [81.28]
8	4.500 [114.30]	4.300 [109.22]

FILTERED AND SHIELDED

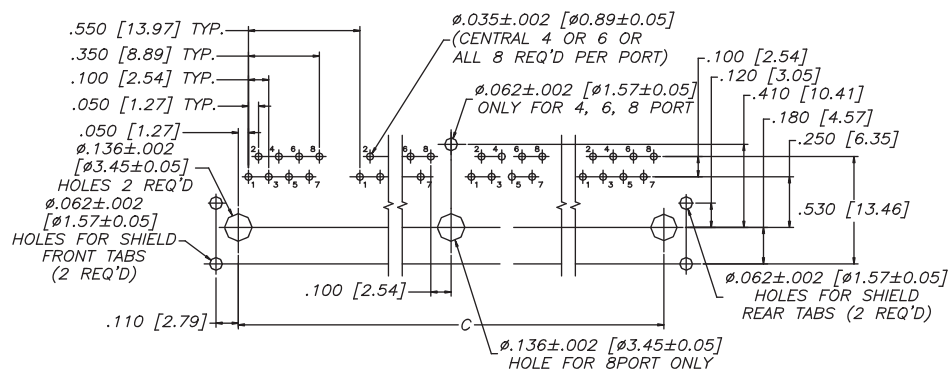
Multi Port

Shielded



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

Housing:	High temperature thermoplastic. Complies with UL 94V-0. Black colour
Contacts:	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
Shield:	Copper alloy with nickel plating
LED:	Steel with tin plating on LED tail. Epoxy lens

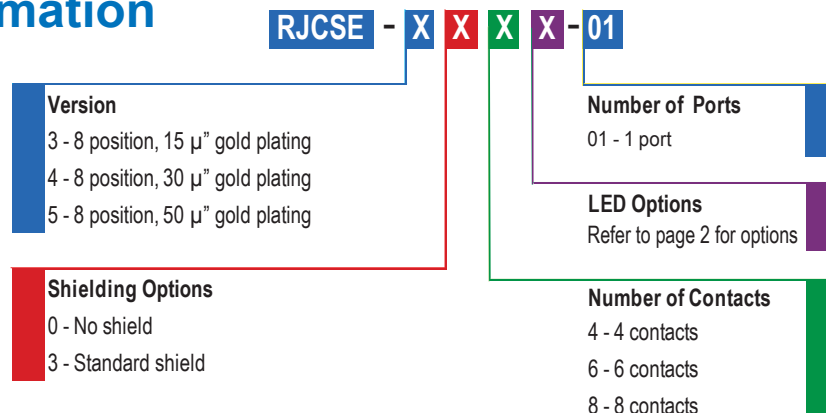
Mechanical

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

Electrical

Contact Resistance:	20 Milliohms maximum
Insulation Resistance:	500 Megohms minimum at 500V DC for 2 minutes maximum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 minute
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts maximum @ 2mA (for single colours) 2.6 Volts maximum @ 20mA (for Bi-colours)
LED Reverse Voltage:	5 Volts minimum
LED Light Intensity:	0.4 to 1.5mcd @ 2mA (for single colours) 0.5 mcd minimum @ 2mA (for Bi-colours)
LED Wave Length:	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.

RJCSE SERIES

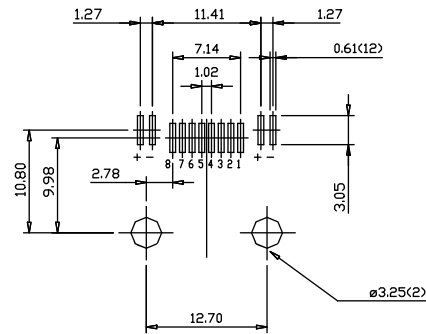
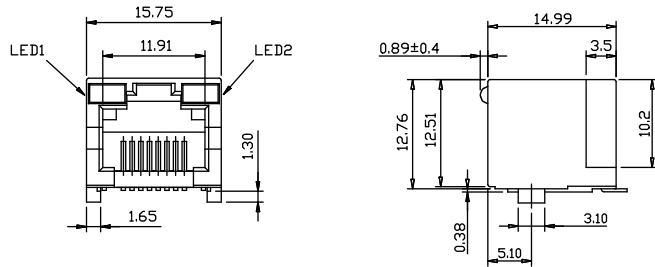
RJ45 SURFACE MOUNT WITH LEDS

Single Port

Non-Shielded

RJCSE-5081-01

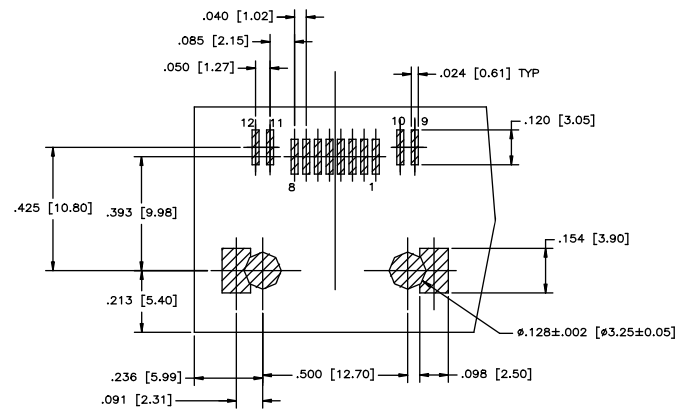
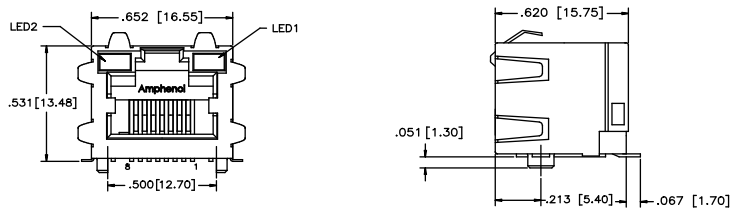
PCB Layout



Shielded

RJCSE-5381-01

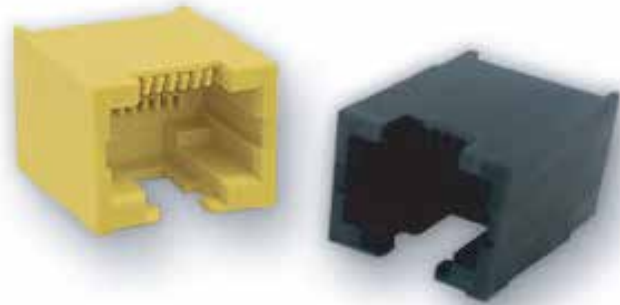
PCB Layout



Notes

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

Insulator:	High temperature engineering thermoplastic, flammability rating UL 94V-0. Available in black, yellow, and red
Contacts:	Phosphor bronze
Plating:	Gold plated on mating surfaces over 50 μ " (1.27 microns) minimum nickel underplate. 100 μ " (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" (0.10mm)

Mechanical

Mating Connector Insertion Force:	5.0 lbs. Maximum
--	------------------

Mating Connector Pull

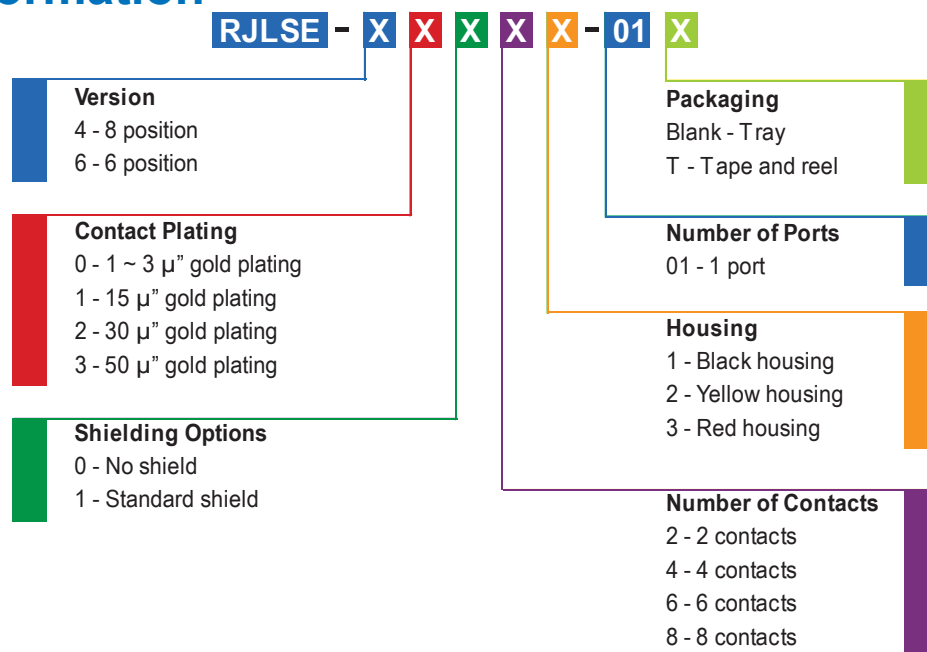
Retention Force:	20 lbs. Minimum
Durability:	750 Mating and unmating cycles
Operating Temperature:	-55 °C to + 85 °C

Electrical

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

UL File #	E135615
CSA File #	LR68598

Ordering Information



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

RJLSE SERIES

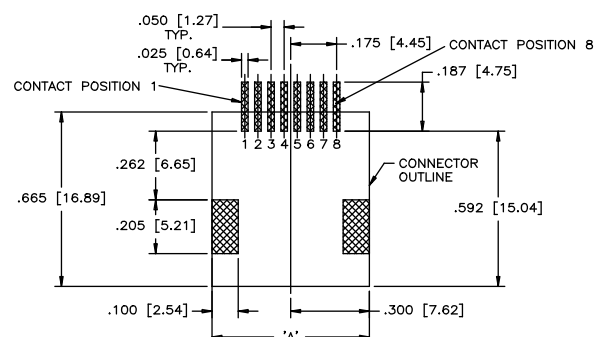
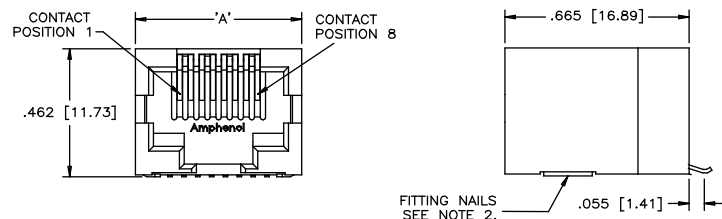
SURFACE MOUNT ULTRA LOW PROFILE

Single Port

Non-Shielded

RJLSE-43081-01

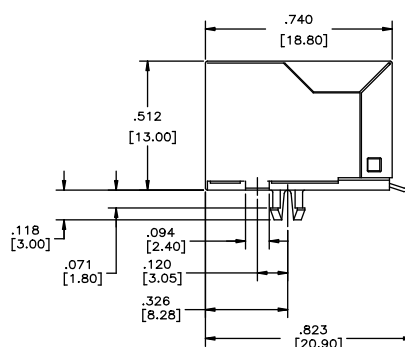
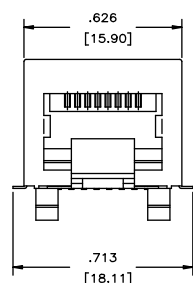
PCB Layout



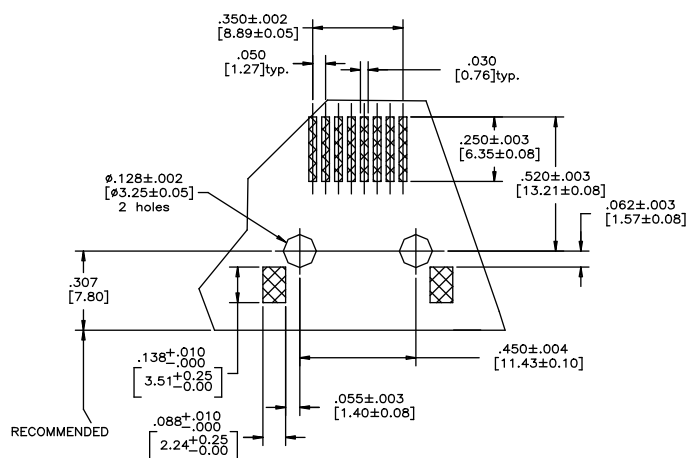
NO. OF POSITIONS	DIMENSIONS
	'A'
6	.520 [13.21]
8	.600 [15.24]

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

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

Electrical

Contact Resistance:	20 milliohms maximum
Insulation Resistance:	500 megohms minimum
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
Dielectric Withstanding Voltage:	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

RJ **E** **S** **E** - **X** **X** **X** **X** - **X** **X** **0** **X**

Version

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

Shielding Options

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

Number of Contacts

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

LED Designation

Please refer to page 2 for options

Special Identifier

- 2 - Housing colour: Yellow #114C
- 3 - Housing colour: Red

Number of Ports

- 1 - 1 port
- 2 - 2 ports
- 4 - 4 ports

Contact Plating

- 1 - 15 µ" gold plating
- 2 - 30 µ" gold plating
- 3 - 50 µ" gold plating
- F - 1 ~ 3 µ" gold plating

Didn't find what you were looking for?

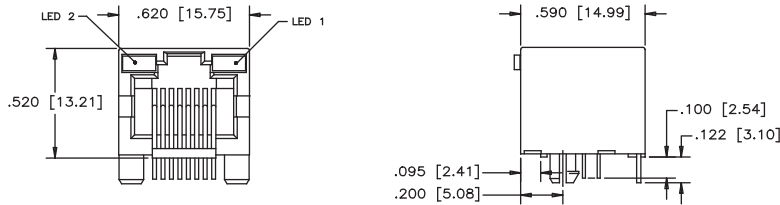
Please contact sales@amphenolcanada.com and let us know what you need.

RJESE SERIES

RJ45 AND RJ11 STANDARD PROFILE

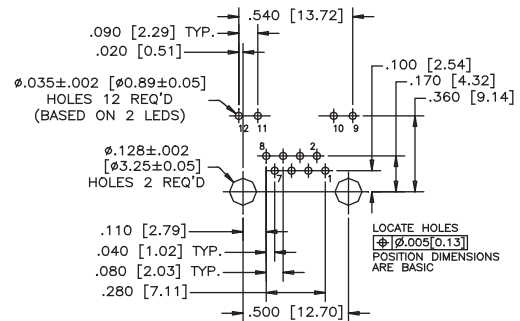
Single Port

Non-Shielded

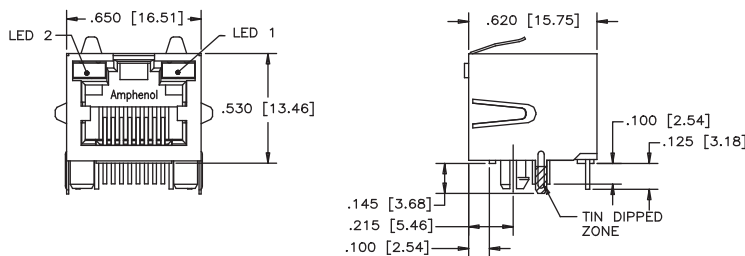


RJESE-8081-01

PCB Layout

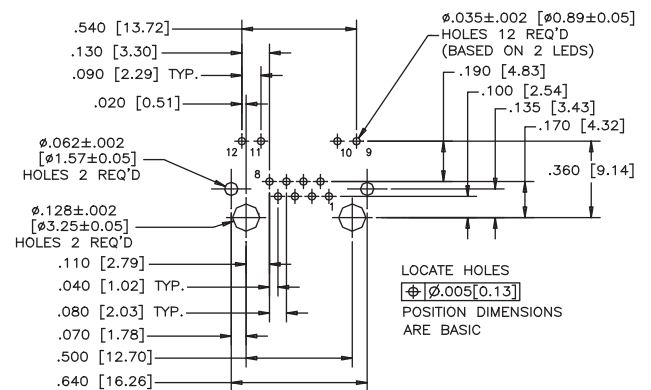


Shielded



PCB Layout

RJESE-8481-01

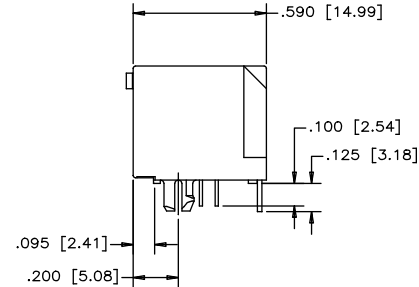
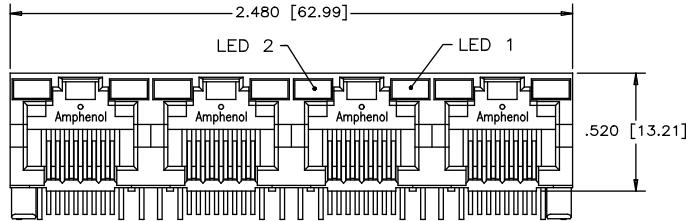


Notes

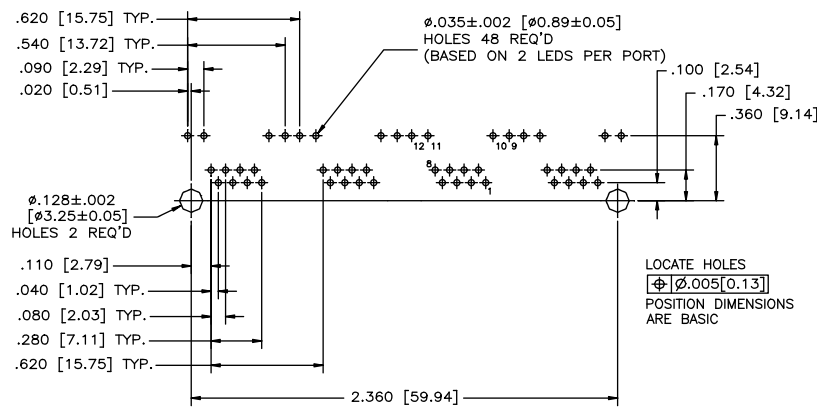
Multi Port

Non-Shielded

RJESE-8081-04

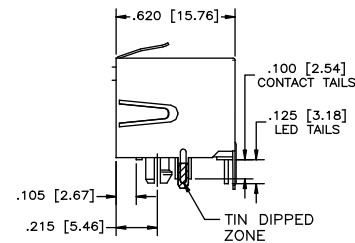
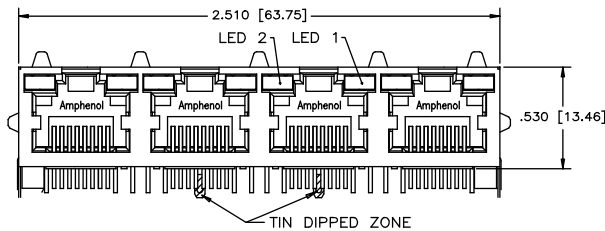


PCB Layout

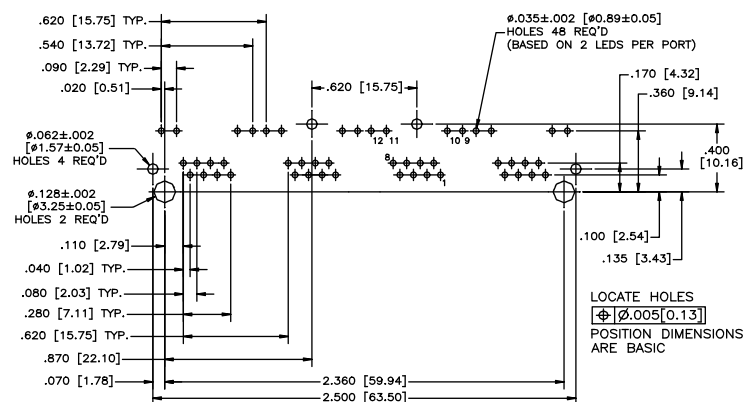


Shielded

RJESE-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

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

Electrical

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

Dielectric Withstanding Voltage: 1000 VDC, 60Hz. 1 minute

UL File # E135615
CSA File # LR68598

Mechanical

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

Ordering Information

RJE01 - X X X - XX	
Contact Plating 1 - 6 µ" gold plating 6 - 50 µ" gold plating G - 15 µ" gold plating J - 30 µ" gold plating	Number of Ports 01 - 1 port 02 - 2 ports
Number of Contacts 2 - 2 contacts 4 - 4 contacts 6 - 6 contacts	Shielding Options 0 - No shield 1 - Front/rear tab captions for single port 2 - Shielded with tabs and PCB tails 4 - Shielded without tabs, and without PCB tails 5 - Shielded without tabs, but with shield PCB tails

Didn't find what you were looking for?

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

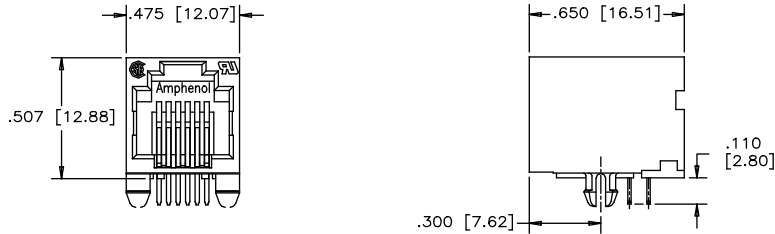
RJE01 SERIES

RJ11 (SIX POSITION)

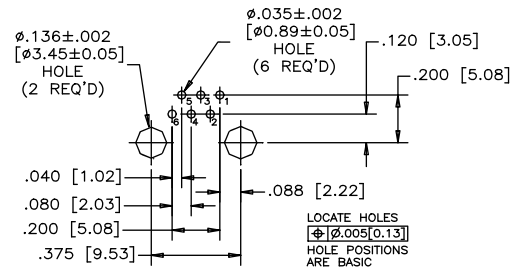
Single Port

RJE01-660-01

Non-Shielded



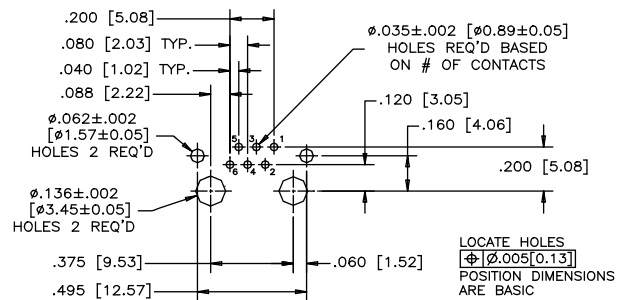
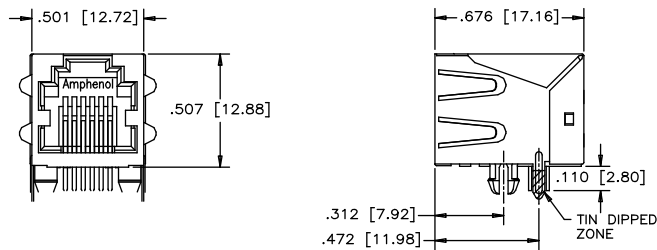
PCB Layout



Shielded

PCB Layout

RJE01-662-01

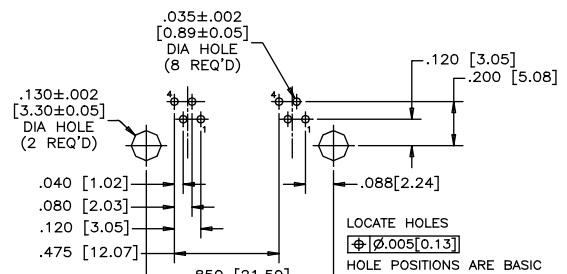
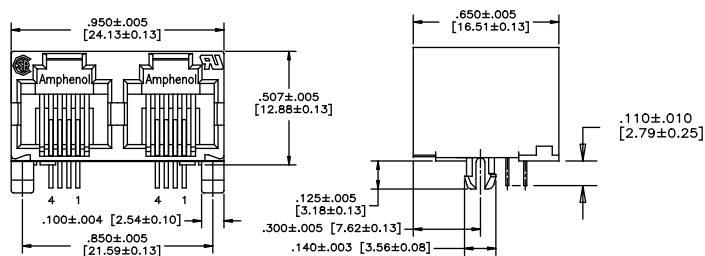


Multi Port

RJE01-660-02

Non-Shielded

PCB Layout

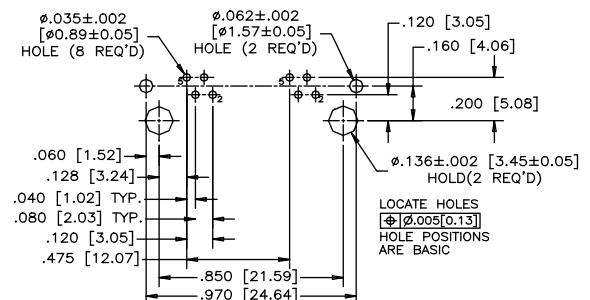
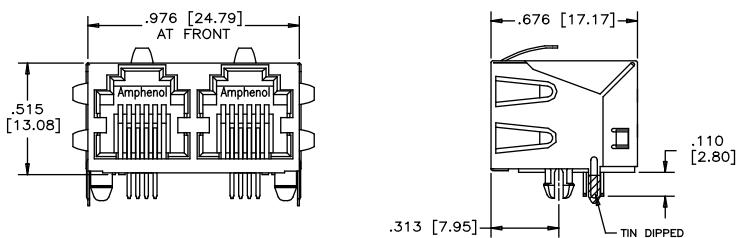


RECOMMENDED P.C.B. LAYOUT
(COMPONENT SIDE OF BOARD)

Shielded

PCB Layout

RJE01-662-02



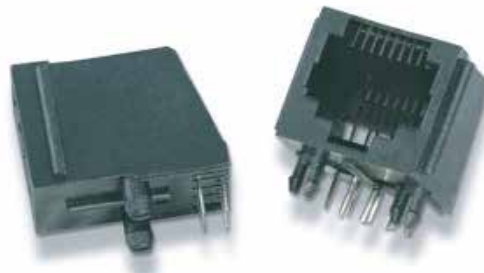
RJE02 SERIES

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.



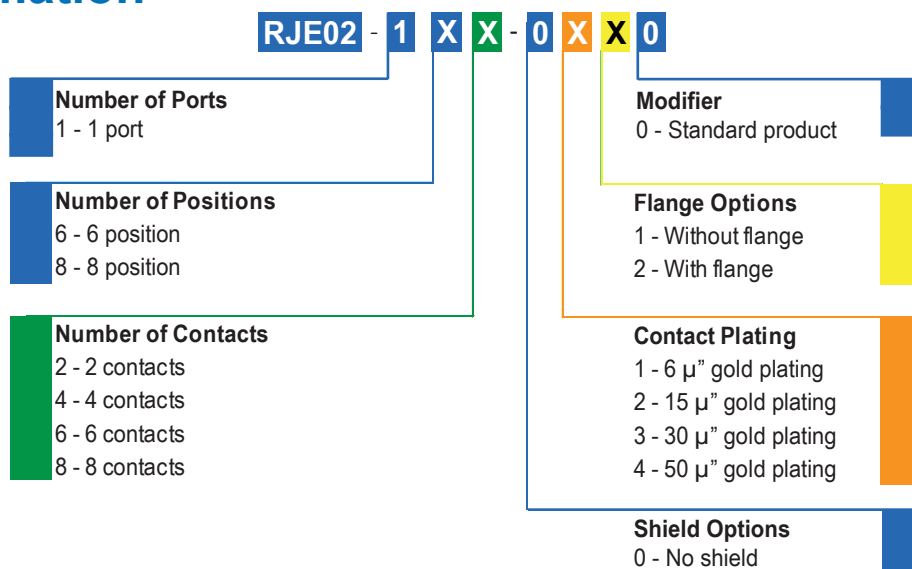
Specifications

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



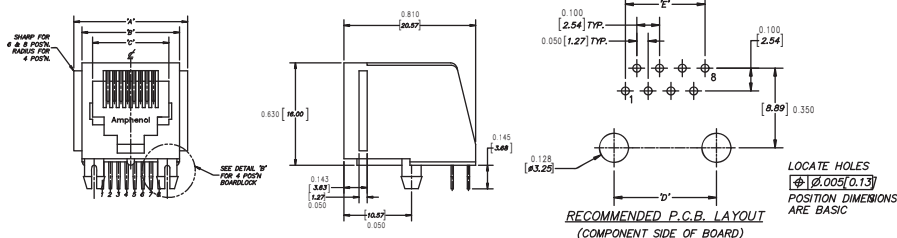
Didn't find what you were looking for?
Please contact sales@amphenolcanada.com and let us know what you need.

Single Port

RJE02-1XX-0X20

Non-Shielded

PCB Layout



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

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

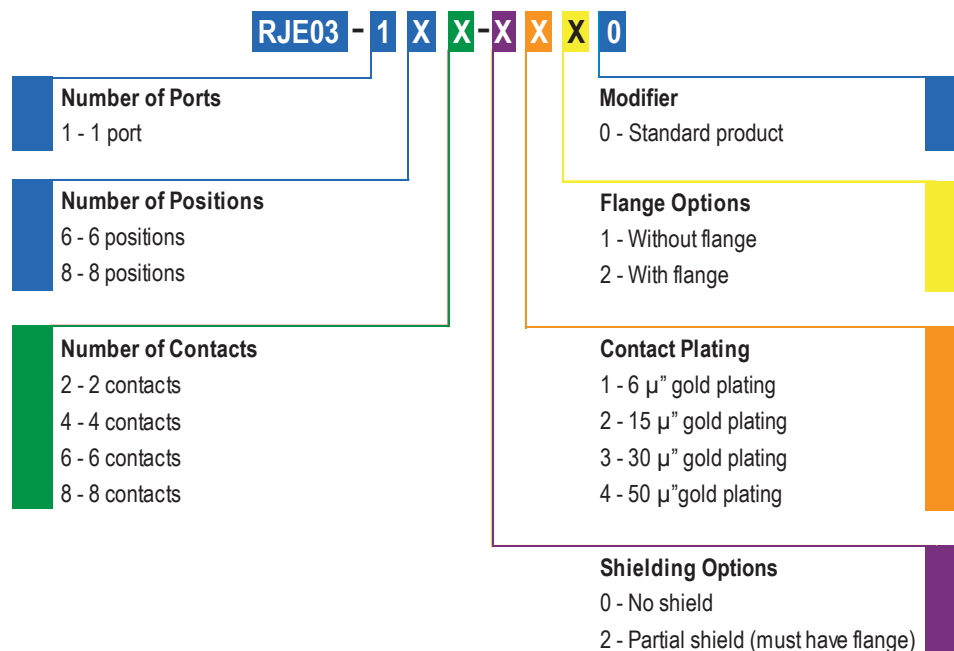
Insulator: High strength thermoplastic polyester
flammability rating UL94V-0

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



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

RJE03 SERIES

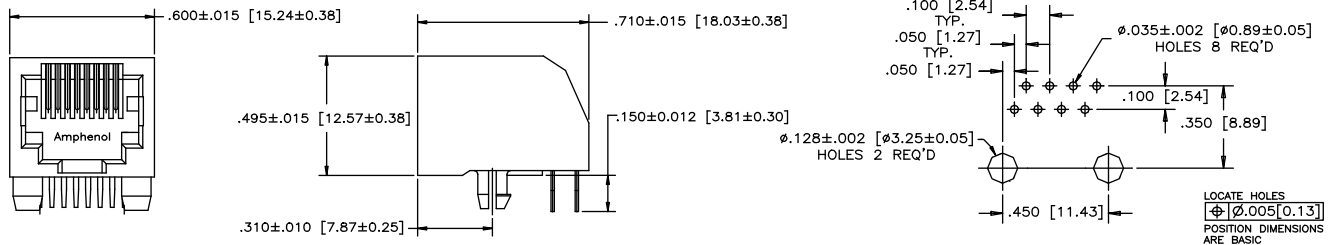
SINGLE PORT LOW PROFILE

Single Port

RJE03-188-0410

Non-Shielded

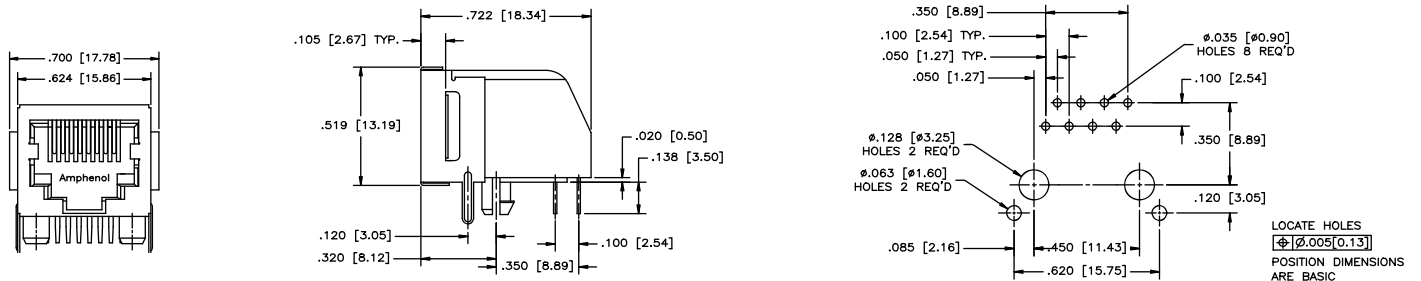
PCB Layout



Shielded with Flange

PCB Layout

RJE03-188-2420

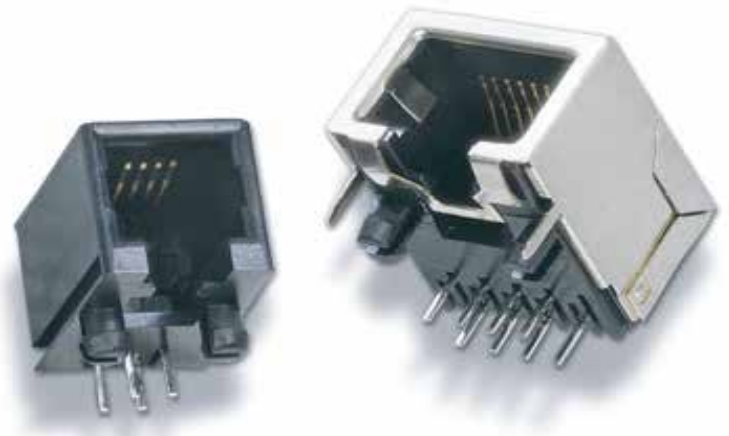


Notes

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

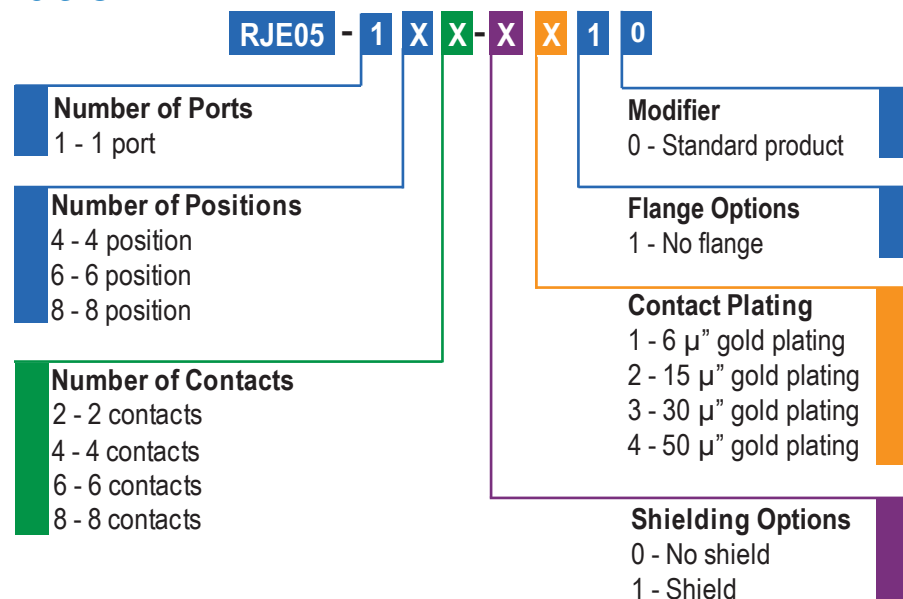
Housing:	High strength thermoplastic polyester flammability rating UL94V-0
Contacts:	Phosphor bronze
Contact Plating:	Gold over nickel on mating area, matte-tin plating on soldering tail

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

Electrical

UL File #:	E136228
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Ordering Information



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

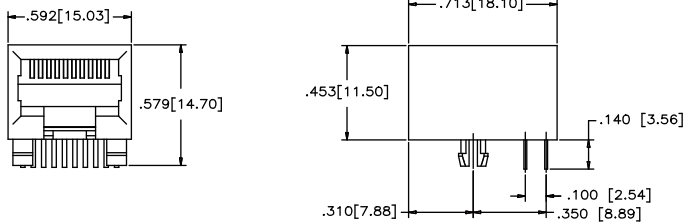
RJE05 SERIES

ULTRA LOW PROFILE

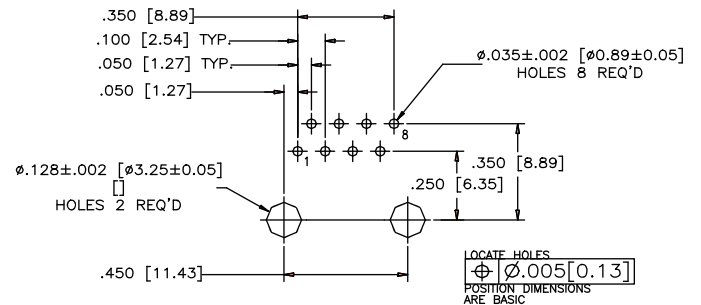
Single Port

Non-Shielded

RJE05-188-0410

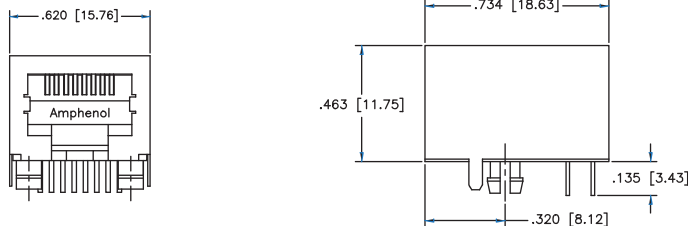


PCB Layout

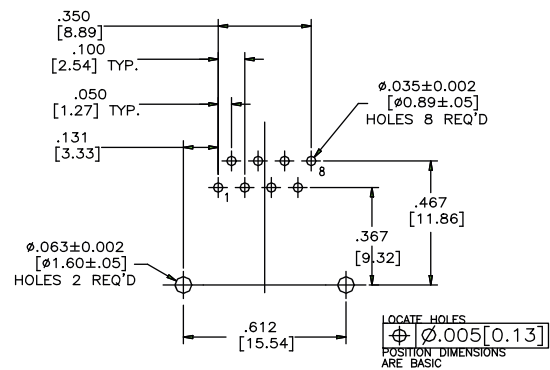


Shielded

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

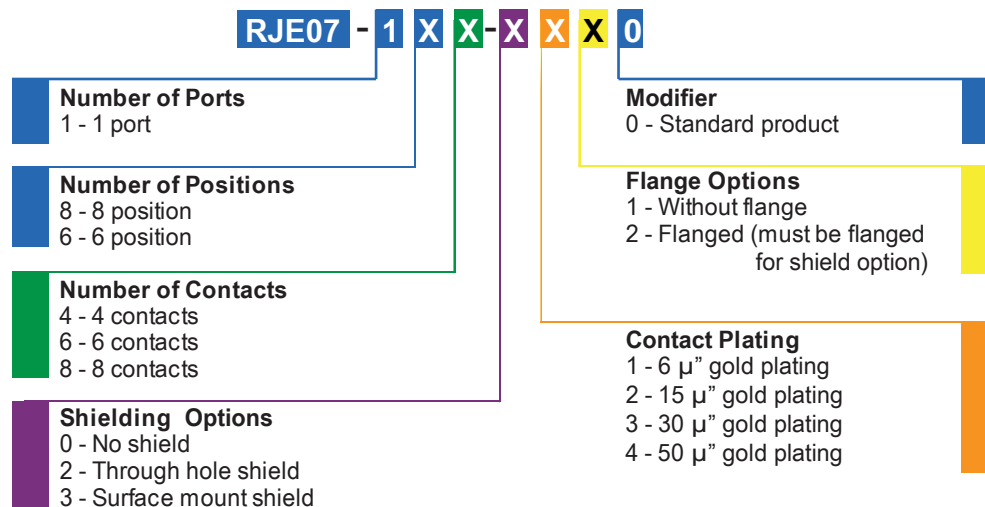
Housing:	High temperature resistant nylon flammability rating UL94V-0
Contacts:	Phosphor bronze
Contact Plating:	Gold over nickel on mating area, matte-tin plating on soldering tail

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

Electrical

UL File #:	E136228
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Ordering Information



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

RJE07 SERIES

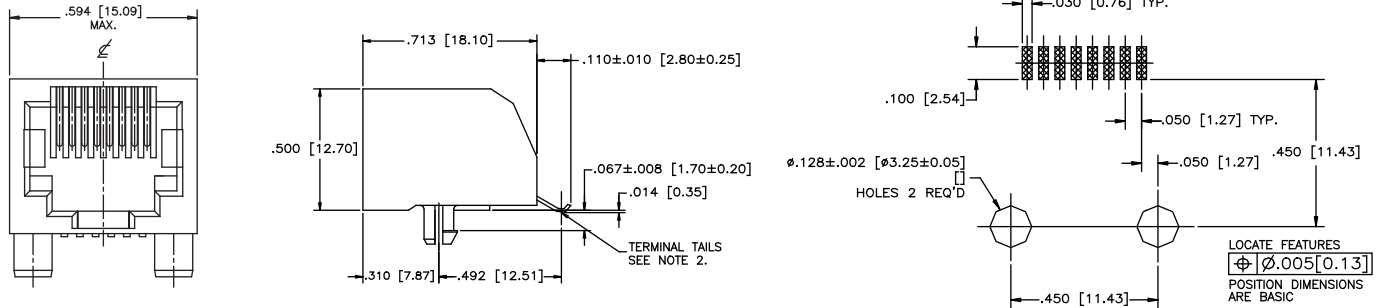
SINGLE PORT SURFACE MOUNT

Single Port

Non-Shielded

RJE07-188-0410

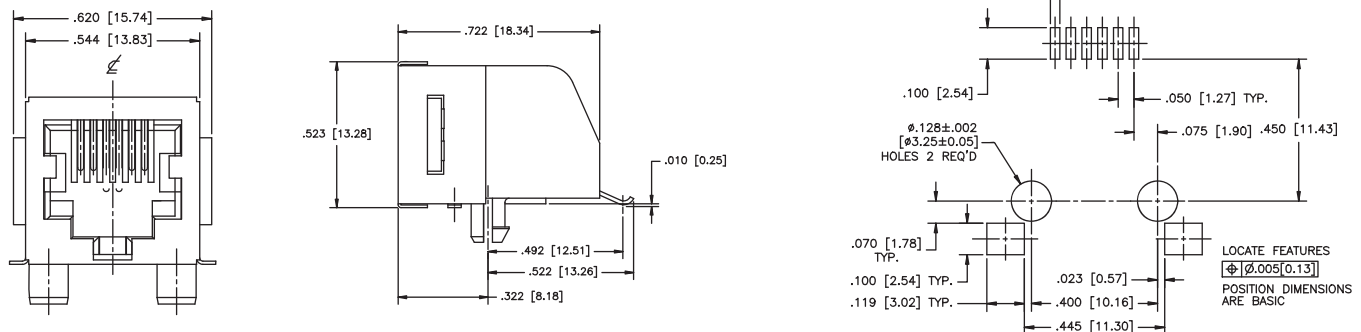
PCB Layout



Surface Mount Shield

RJE07-188-3420

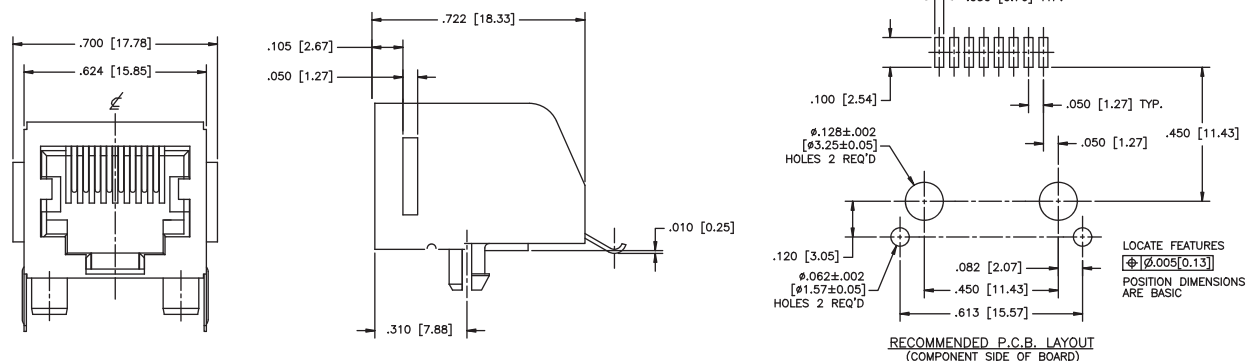
PCB Layout



Through Hole Shield

RJE07-188-2420

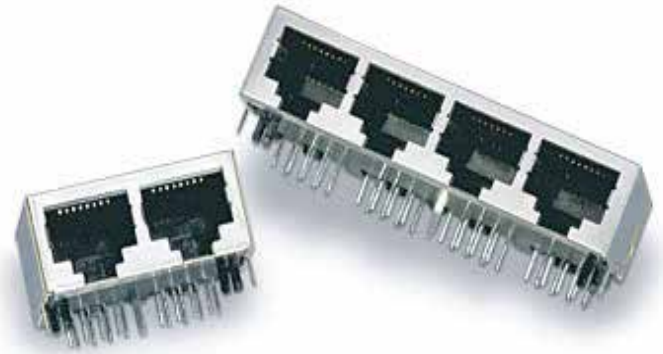
PCB Layout



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

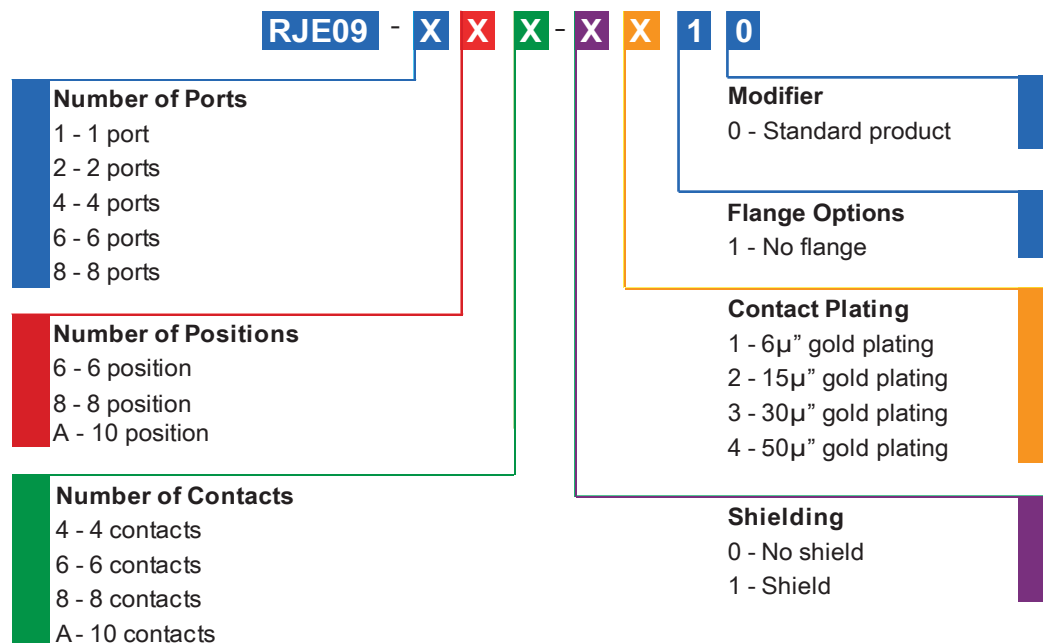
Materials

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

Electrical
UL File #: E136228

Ordering Information



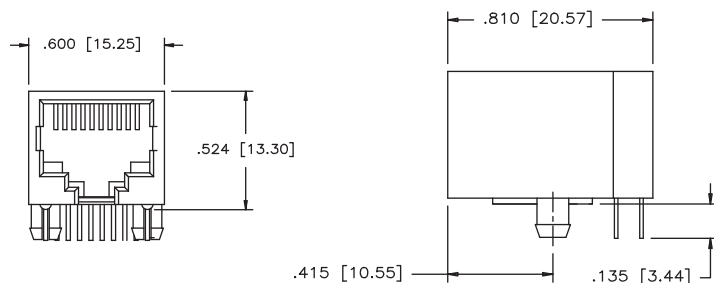
Didn't find what you were looking for?
Please contact sales@amphenolcanada.com and let us know what you need.

RJE09 SERIES

STANDARD PROFILE

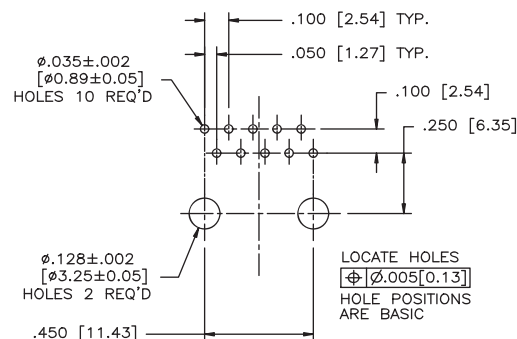
Single Port

Non-Shielded

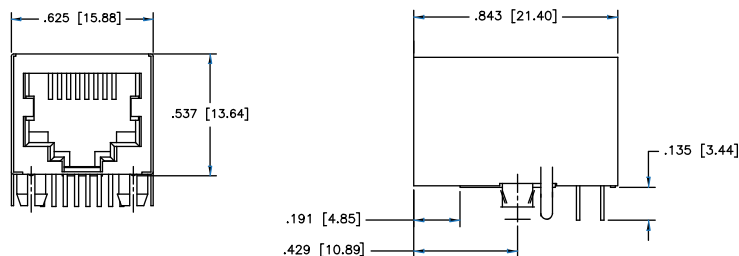


RJE09-1AA-0410

PCB Layout

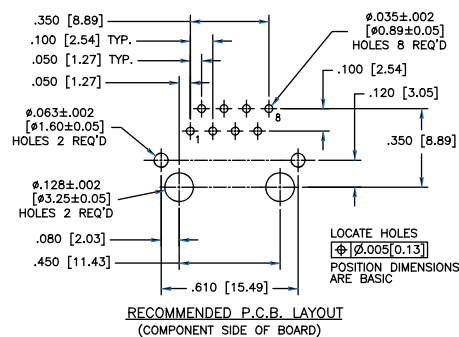


Shielded



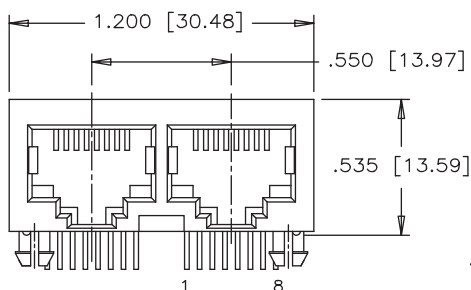
RJE09-188-1410

PCB Layout



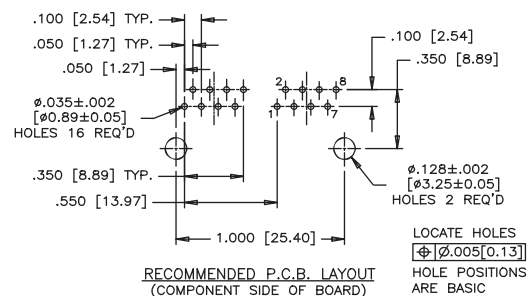
Multi Port

Non-Shielded



RJE09-288-0410

PCB Layout

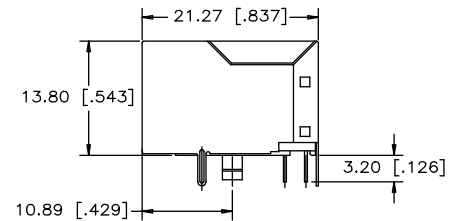
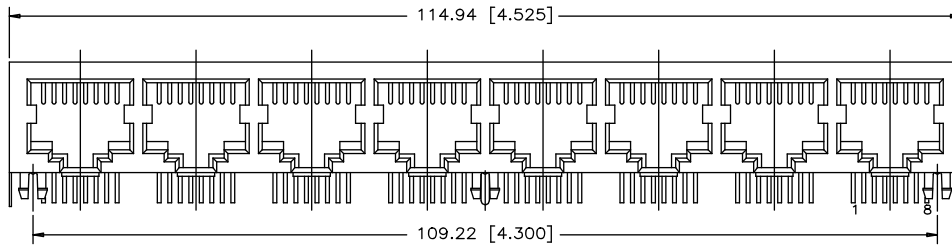


RJE09 SERIES

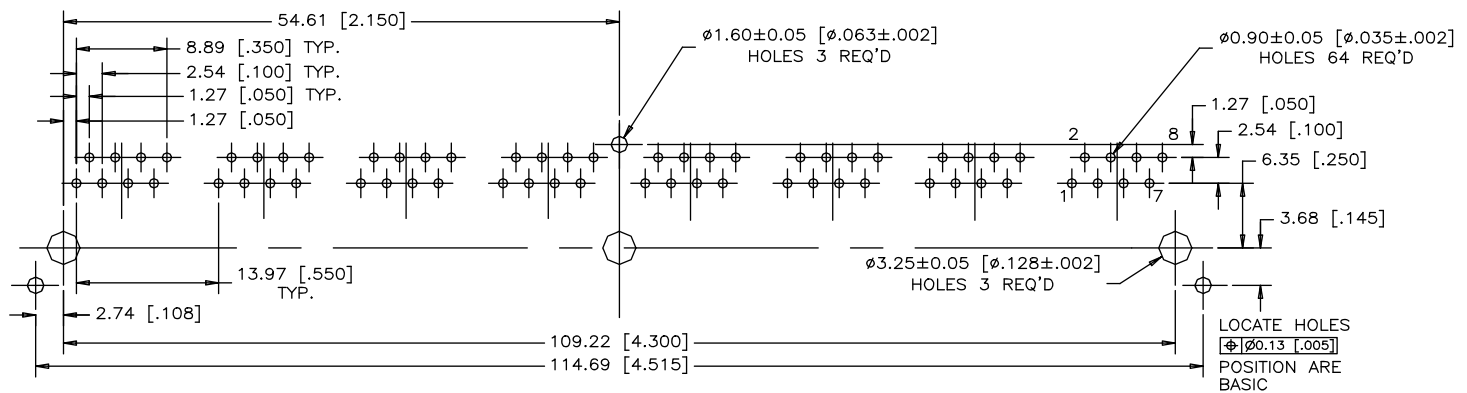
STANDARD PROFILE

Shielded

RJE09-888-1410



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.



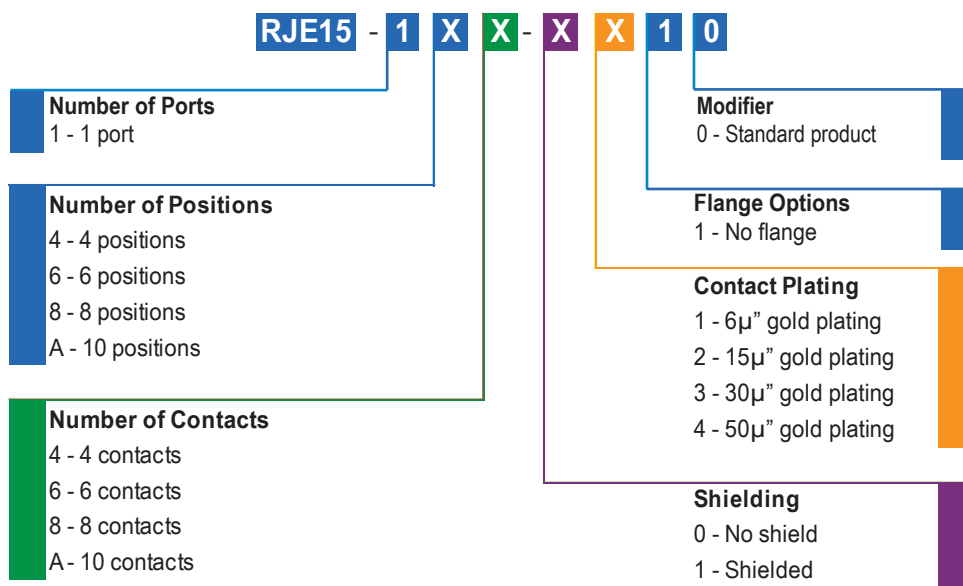
Specifications

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

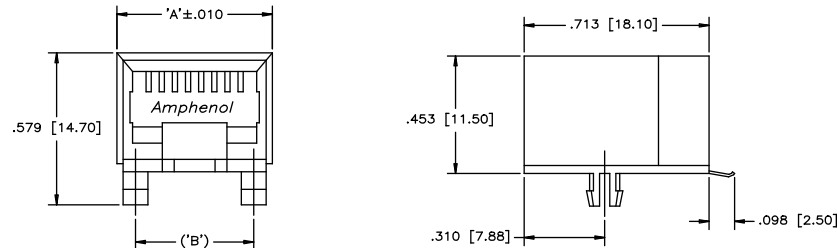


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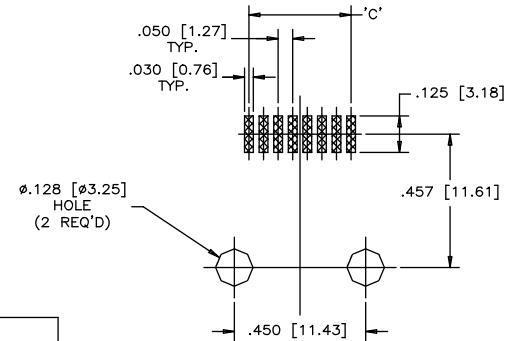
Single Port

RJE15-1XX-0410

Non-Shielded



PCB Layout

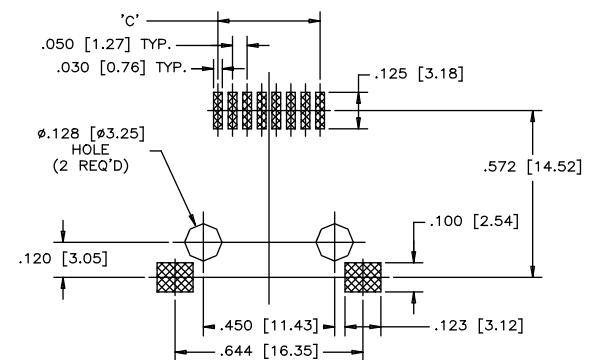
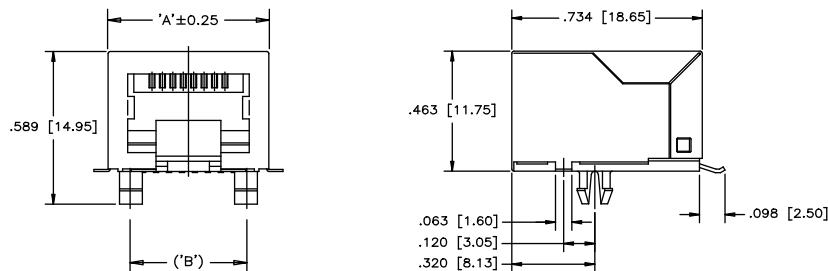


NO. OF POSITIONS	DIMENSIONS		
	'A'	'B'	'C'
4	.441 [10.43]	.300 [7.62]	.150 [3.81]
6	.510 [12.95]	.400 [10.16]	.250 [6.35]
8	.592 [15.04]	.450 [11.43]	.350 [8.89]
10	.620 [15.74]	.450 [11.43]	.450 [11.43]

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

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

Electrical

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

Mechanical

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

UL File # : E135615

Ordering Information

RJULE - 4 X X X X - 01 X	
Number of Positions 4 - 8 positions	Packaging Blank - Tray T - Tape and reel
Contact Plating 0 - 1 ~ 3 µ" gold plating 1 - 15 µ" gold plating 2 - 30 µ" gold plating 3 - 50 µ" gold plating	Number of Ports 01 - 1 port
Housing Options 1 - Black 2 - Yellow 3 - Red	Shielding Options 0 - No shield 1 - Standard shield 2 - Shield with side ground tabs design to touch with mounting panel 3 - Shield without ground tab
Number of 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.

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

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

Electrical

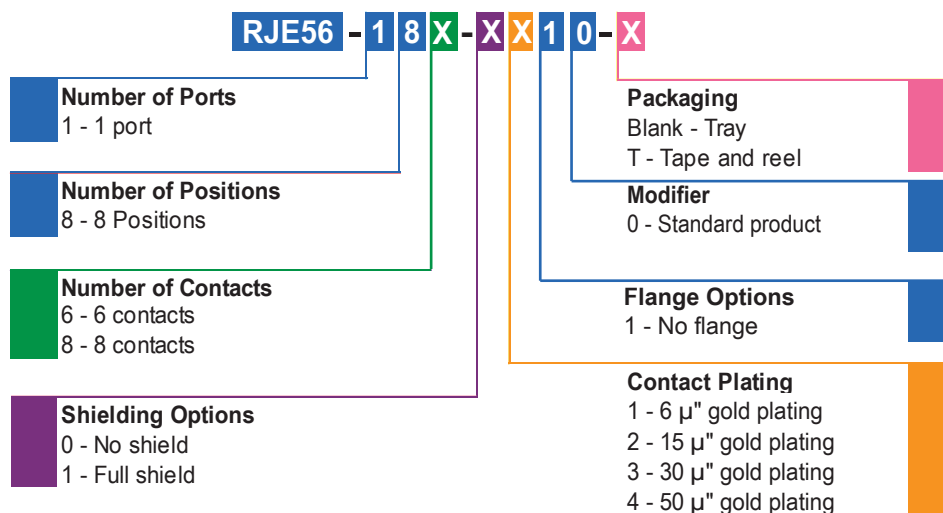
Contact Resistance:	20 milliohms maximum
Insulation Resistance:	500 megohms minimum

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

Other Parameters

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

Ordering Information



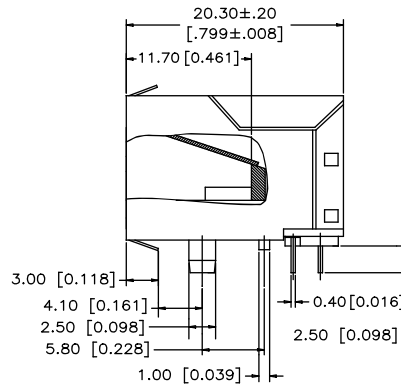
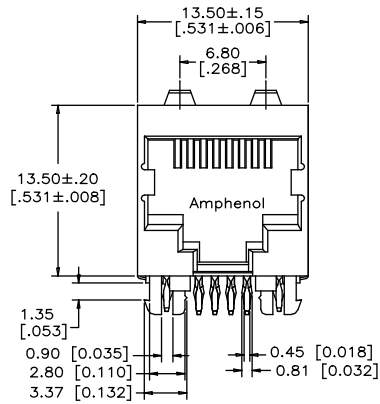
Didn't find what you were looking for?

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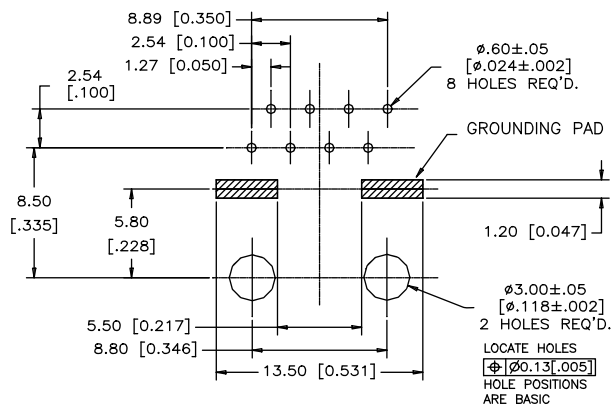
Single Port

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

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

Mechanical

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

Recommended Soldering

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

Electrical

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

UL File # :	E135615
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Ordering Information

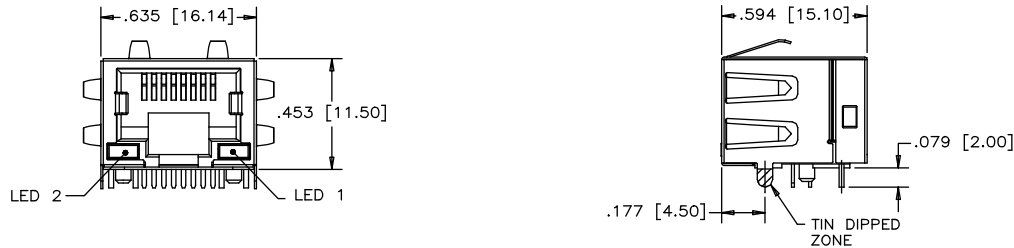
RJE73 - 1 8 8 - 0 0 X X X	
Number of Ports 1 - 1 port	Ground Tabs Option 0 - Without tabs 1 - With side and top tabs
Number of Positions 8 - 8 positions	LED Options Please refer to page 2 for options
Number of Contacts 8 - 8 contacts	Contact Plating 1 - 6 µ" gold plating 2 - 15 µ" gold plating 3 - 30 µ" gold plating 4 - 50 µ" gold plating

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

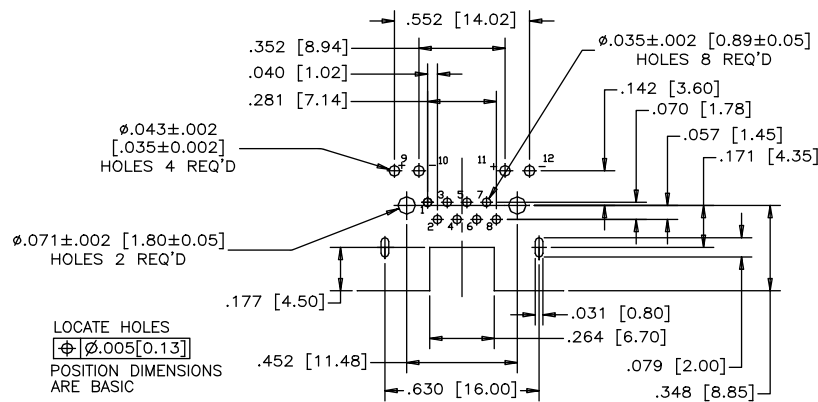
Single Port

RJE73-188-00411

Shielded



PCB Layout



Notes

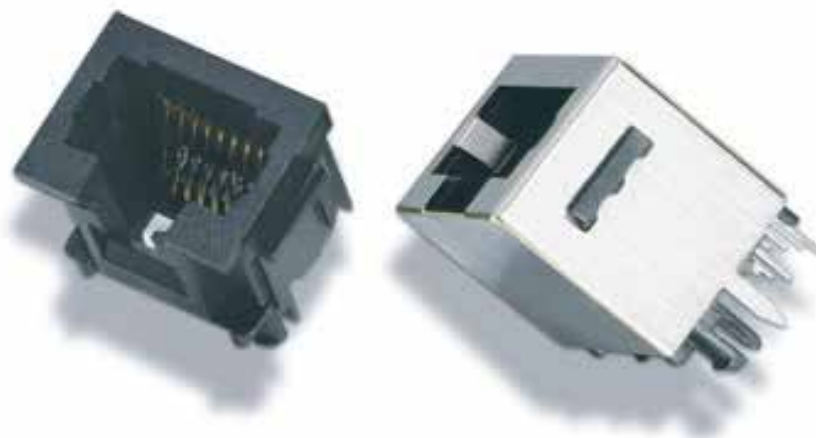
RJE06 SERIES

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

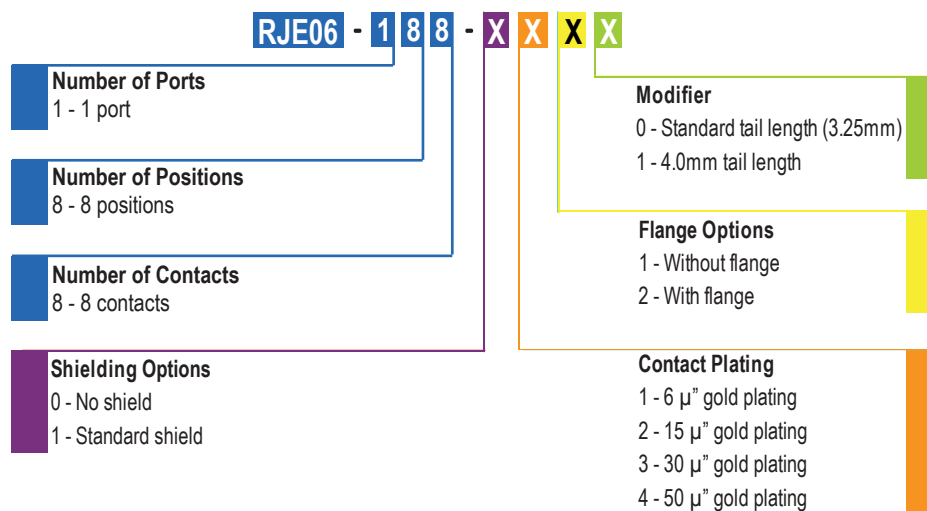
Materials

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
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Electrical	
UL File #:	E136228

Ordering Information



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

RJE06 SERIES

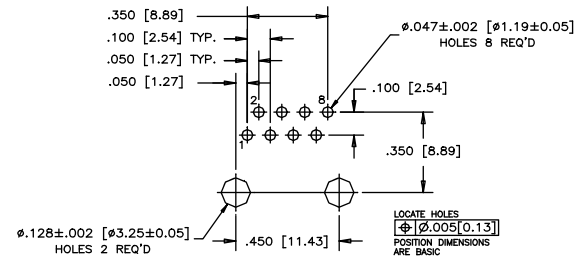
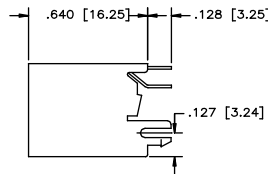
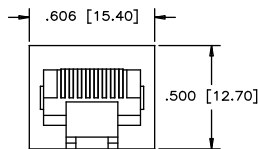
SINGLE PORT SLIM PROFILE

Single Port

RJE06-188-0410

Non-Shielded

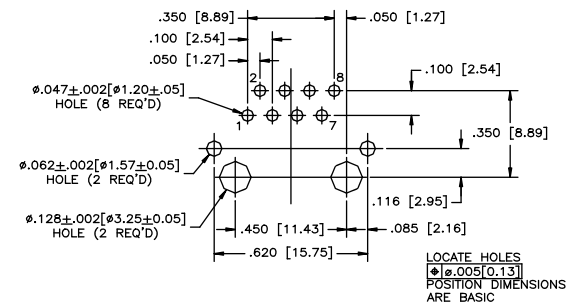
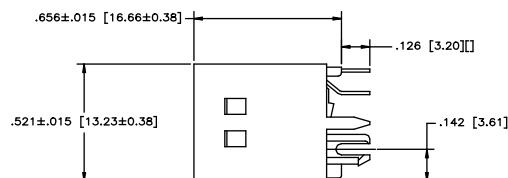
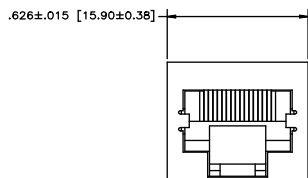
PCB Layout



RJE06-188-1410

Shielded

PCB Layout



Notes

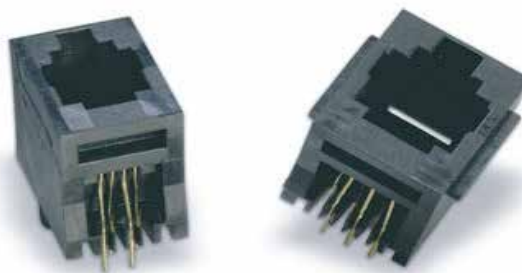
RJE08 SERIES

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

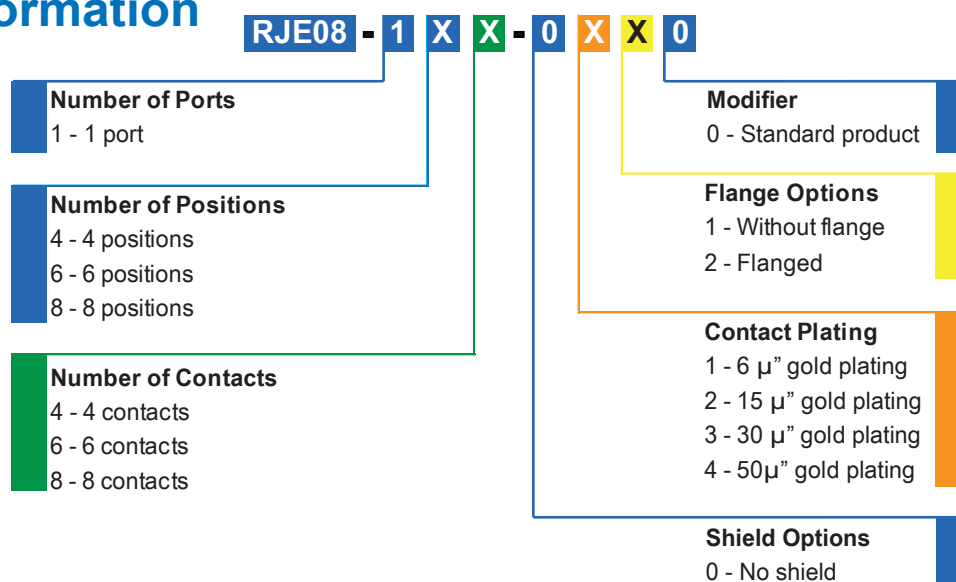
Contact Plating:

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

Electrical

UL File #: E136228

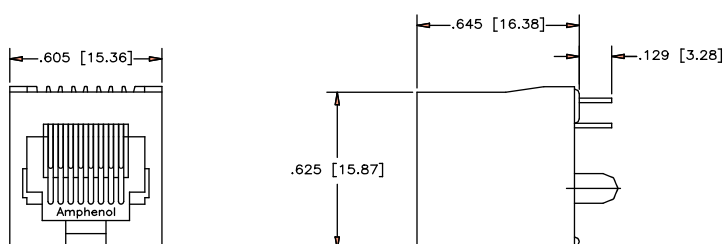
Ordering Information



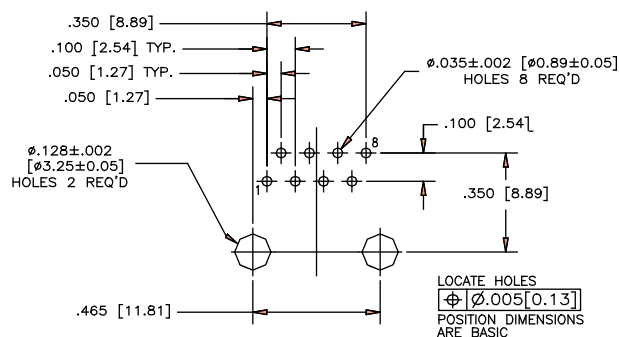
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Single Port

Non-Shielded



PCB Layout



RJE08-188-0410

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, black colour
Shield:	Copper alloy; Matte tin plating
Contacts:	Phosphor bronze hard temper with gold thickness options (6 μ ", 15 μ ", 30 μ ", 50 μ ") over 50 μ " minimum nickel on contact mating area. 100 μ " minimum matte tin over nickel on soldering tail
Hold Down:	Copper alloy; Matte tin plating
Coplanarity:	Maximum gap between all terminal tails is .004"

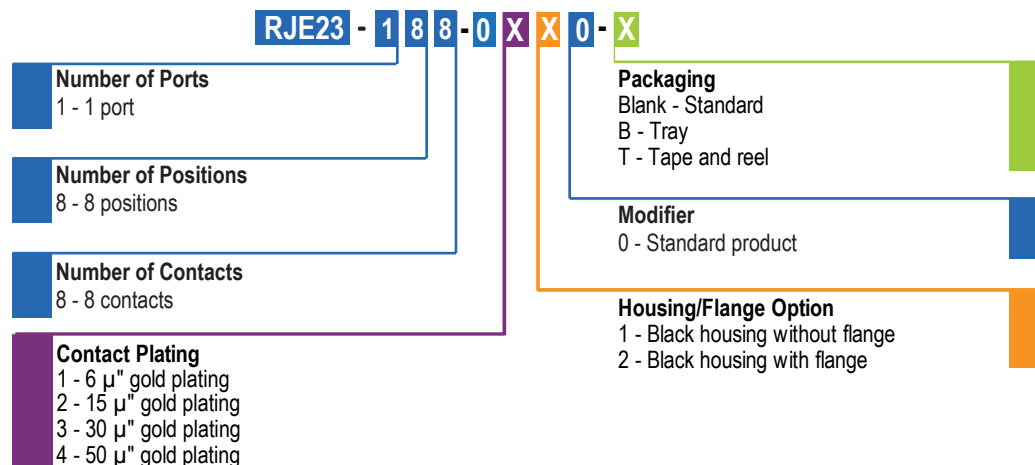
Electrical

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

Mechanical

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

Ordering Information



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

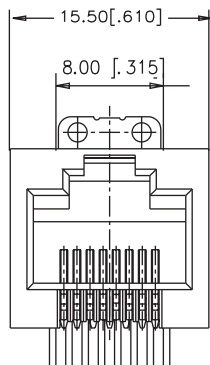
RJE23 SERIES

SINGLE PORT SURFACE MOUNT

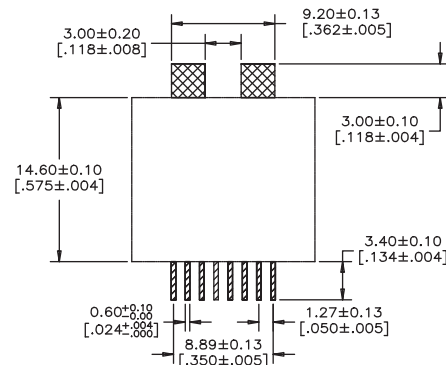
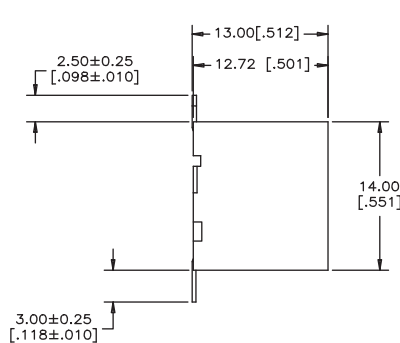
Single Port

RJE23-188-0410

Non-Shielded



PCB Layout



Notes

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

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

Electrical

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

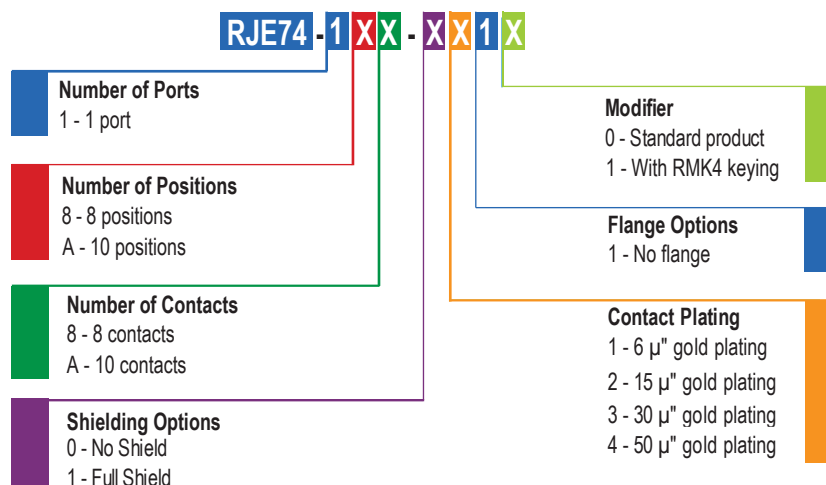
Mating Connector Pull

Retention Force:	20 lbs. Minimum
Durability:	750 Mating and unmating cycles

Mechanical

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

Ordering Information



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RJE74 SERIES

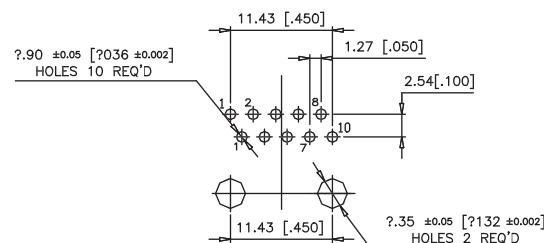
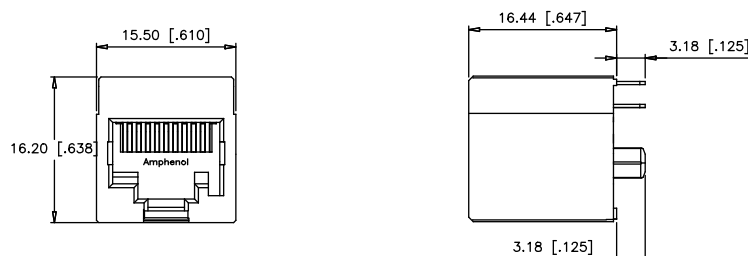
SINGLE PORT

Single Port

Non-Shielded

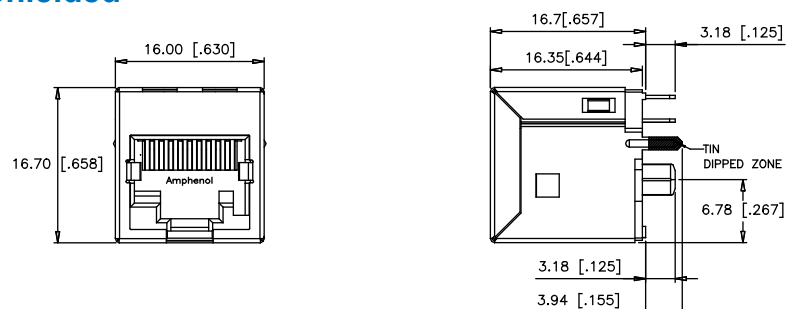
RJE74-1AA-0411

PCB Layout

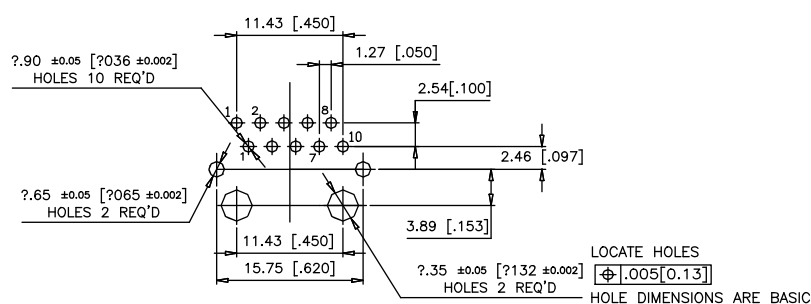


Shielded

RJE74-1AA-1411



PCB Layout



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

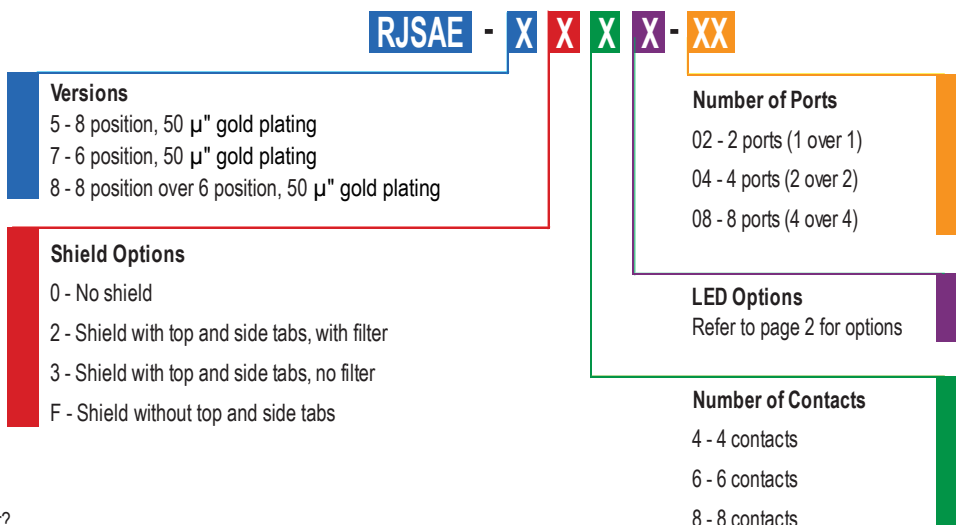
Mechanical

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

Electrical

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

Ordering Information



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RJSAE SERIES

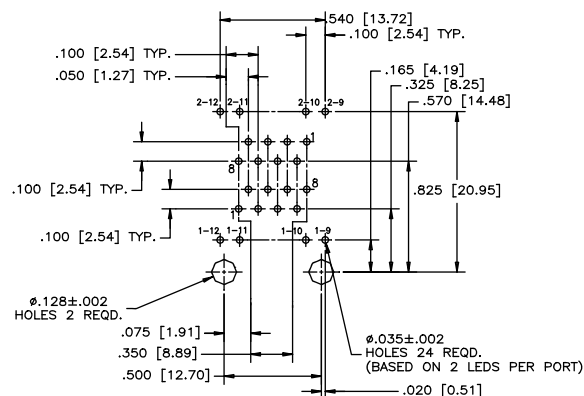
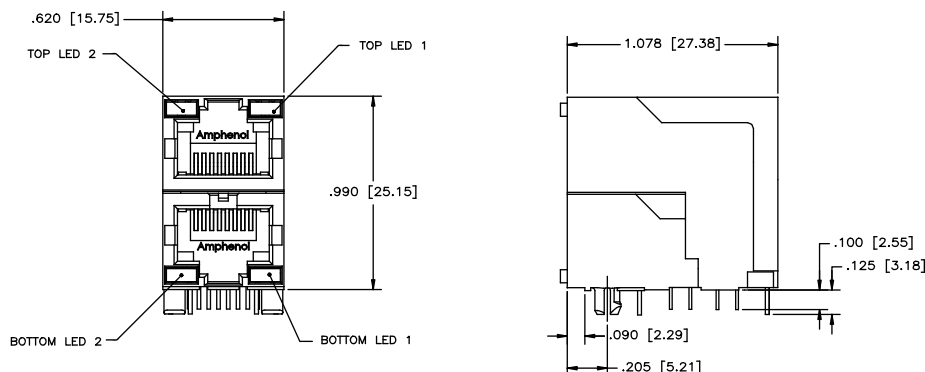
2, 4, AND 8 PORTS WITH LEDS AND SHIELD OPTIONS

Single Port

RJSAE-5081-02

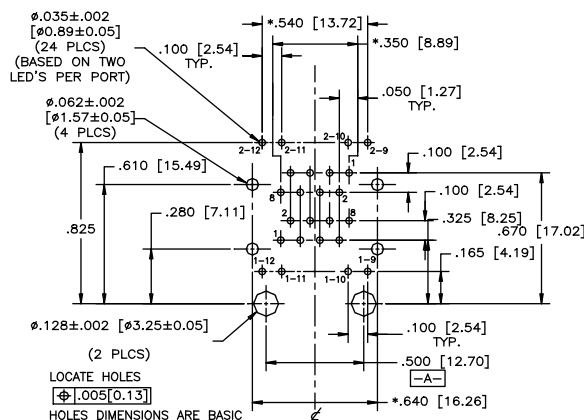
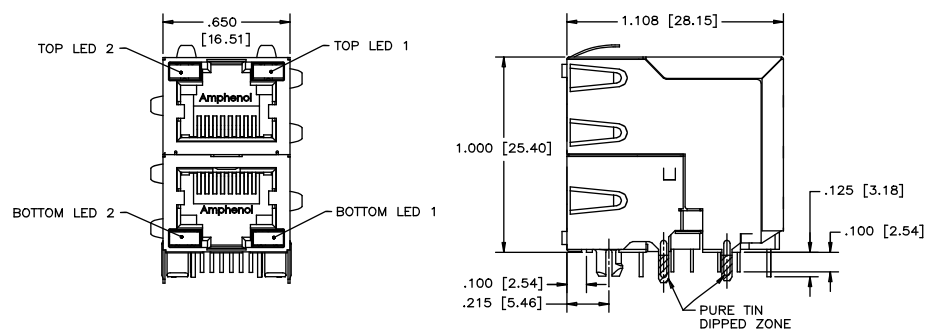
Non-Shielded

PCB Layout



Shielded

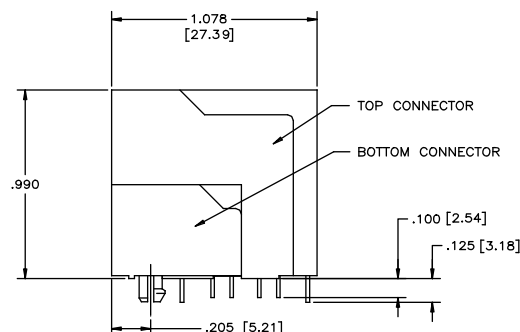
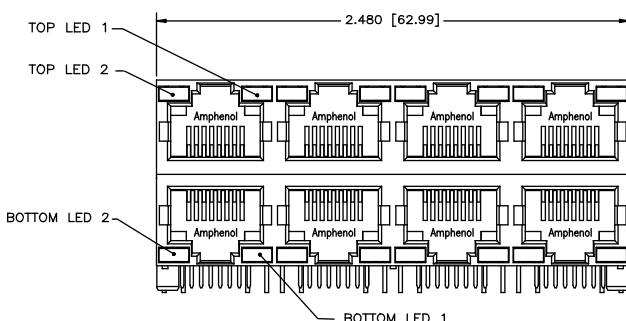
PCB Layout



Multi Port

RJSAE-5081-08

Non-Shielded



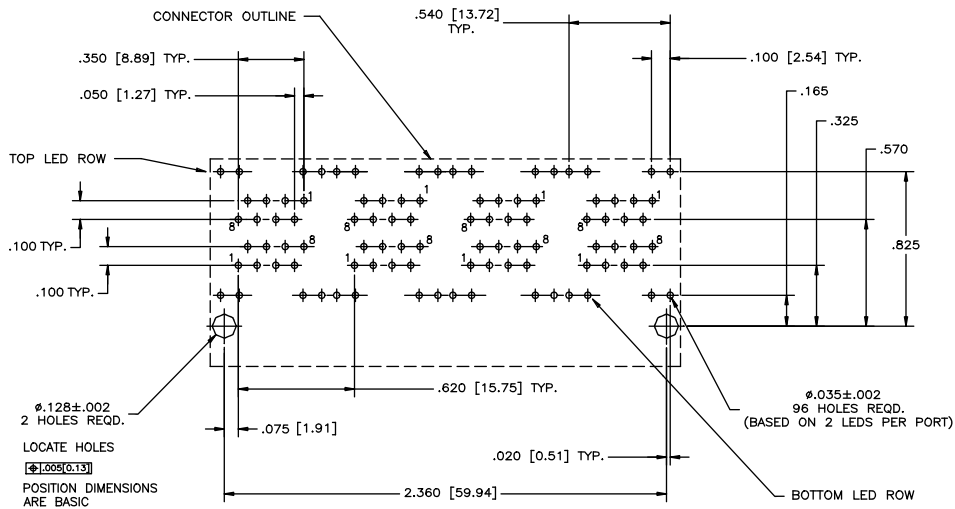
RJSAE SERIES

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

Multi Port

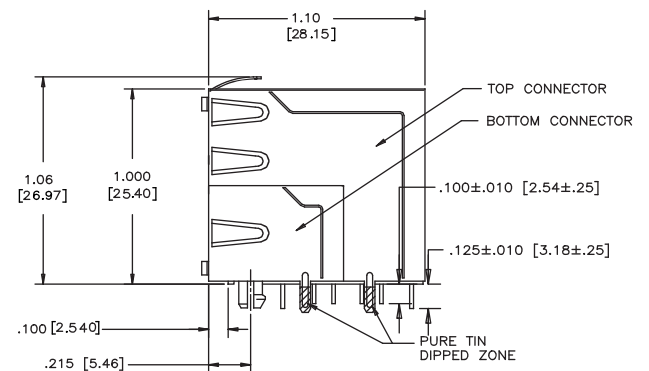
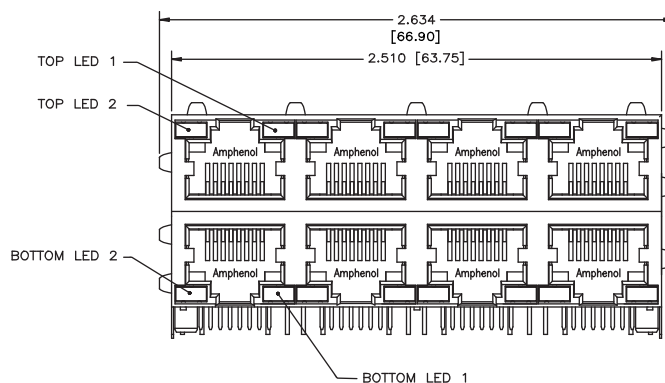
Non-Shielded

PCB Layout

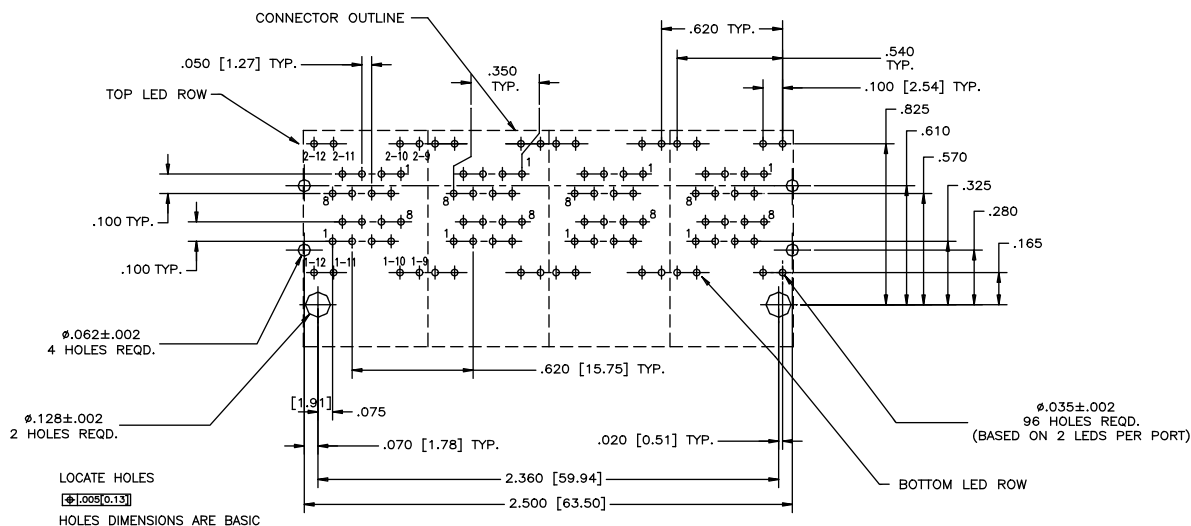


Shielded

RJSAE-5381-08



PCB Layout



RJSNE SERIES

4 OVER 4 PORTS WITH LED AND SHIELD OPTIONS

4 Over 4 Ports with LED and Shield Options

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



Specification

Mechanical

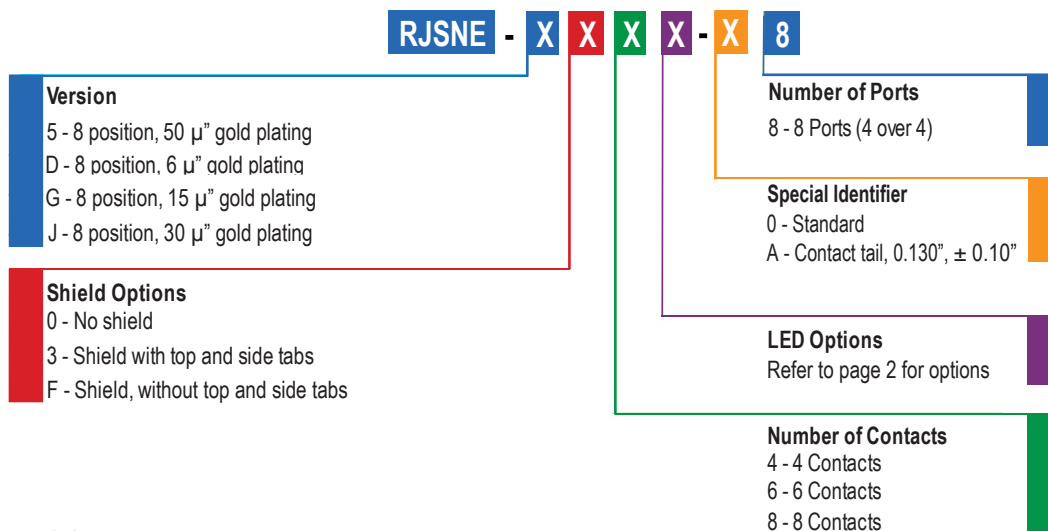
Mating Connector	
Insertion Force:	5.0 lbs. maximum
Mating Connector Pull	
Retention Force:	20 lbs. minimum
Durability:	750 mating and unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 seconds maximum
Operating Temperature:	-55°C to + 85°C

Electrical

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

UL File # : E135615

Ordering Information



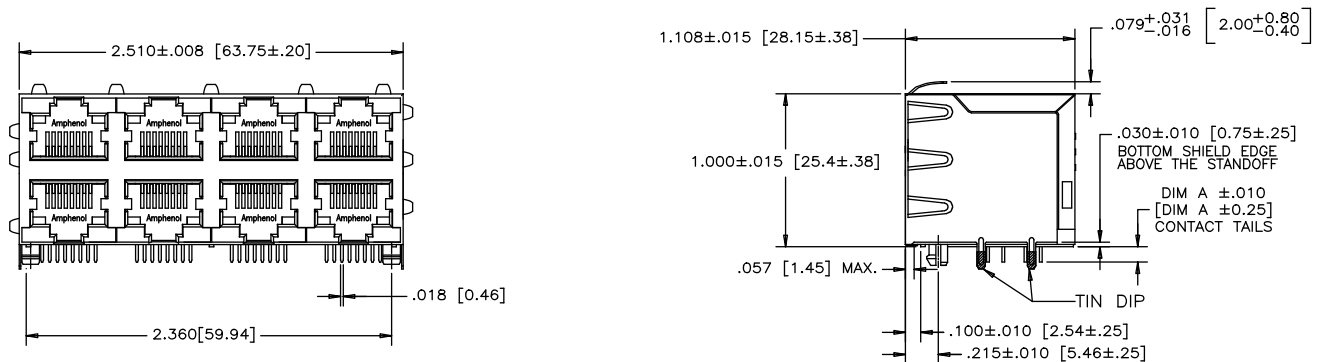
Didn't find what you were looking for?
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4 OVER 4 PORTS WITH LED AND SHIELD OPTIONS

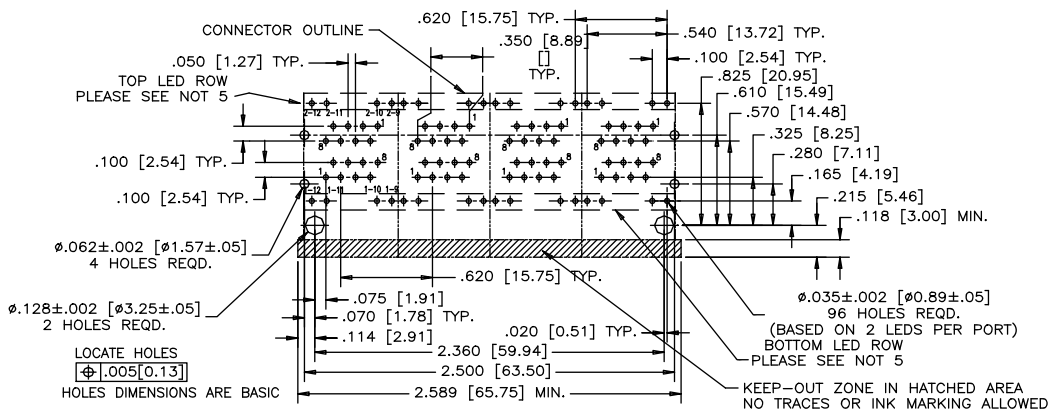
Multi Port

RJSNE-5381-A8

Shielded



PCB Layout

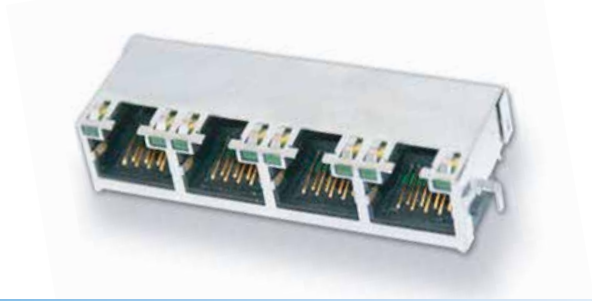


Notes

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

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

Mechanical

Mating Connector	
Insertion Force:	5.0 lbs. Maximum
Mating Connector Pull	
Retention Force:	20 lbs. Minimum
Durability:	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

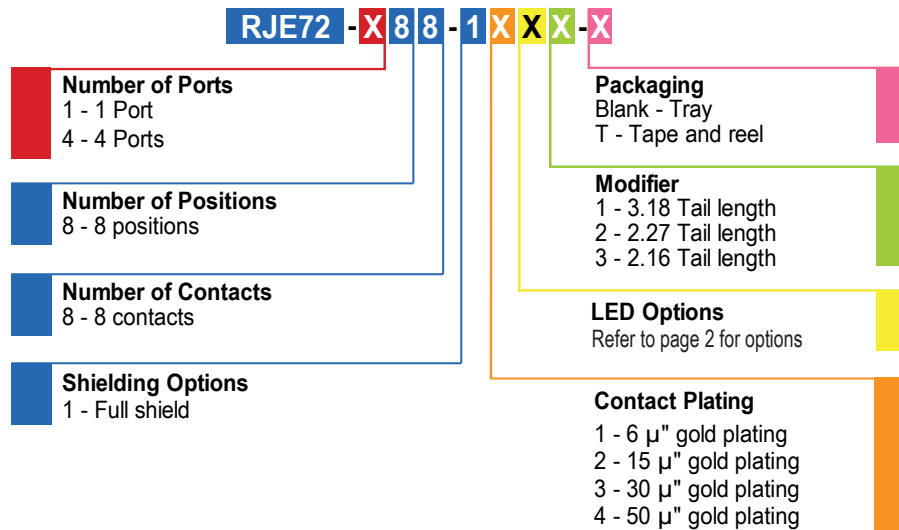
Operating Temperature:

Electrical

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

UL File # : E135615

Ordering Information



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

RJE72 SERIES

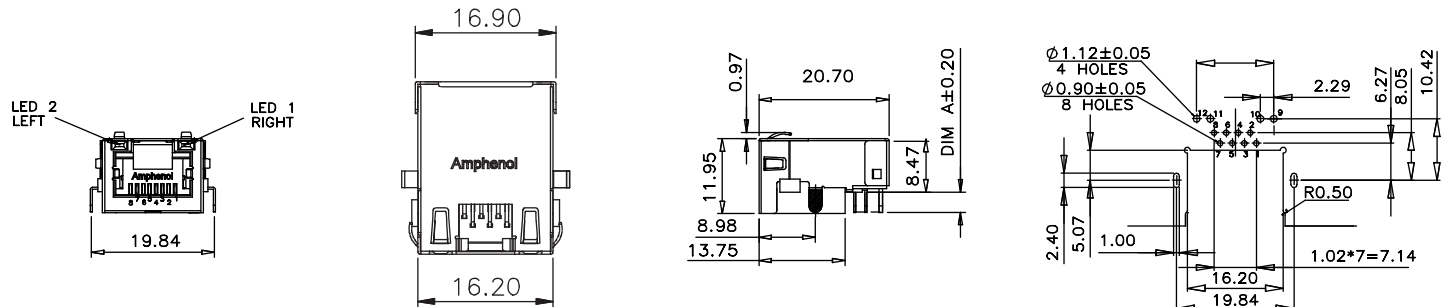
RIGHT ANGLED, RECESSED, LOW PROFILE

Single Port

RJE72-188-1411

Shielded

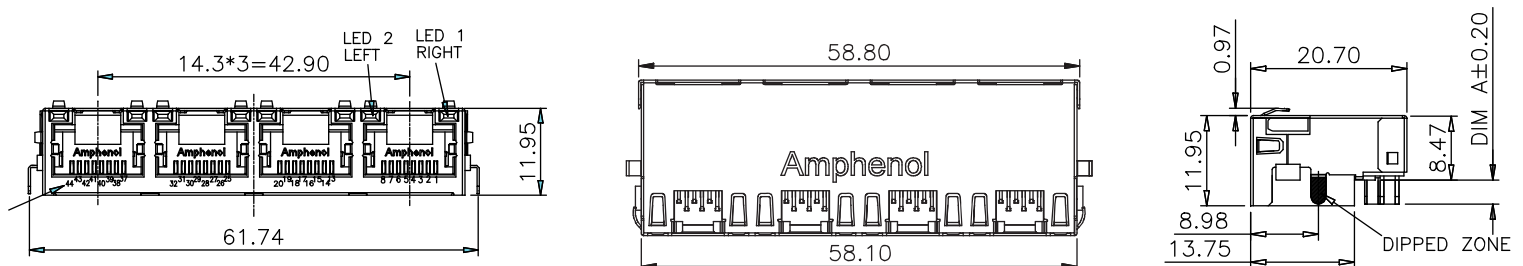
PCB Layout



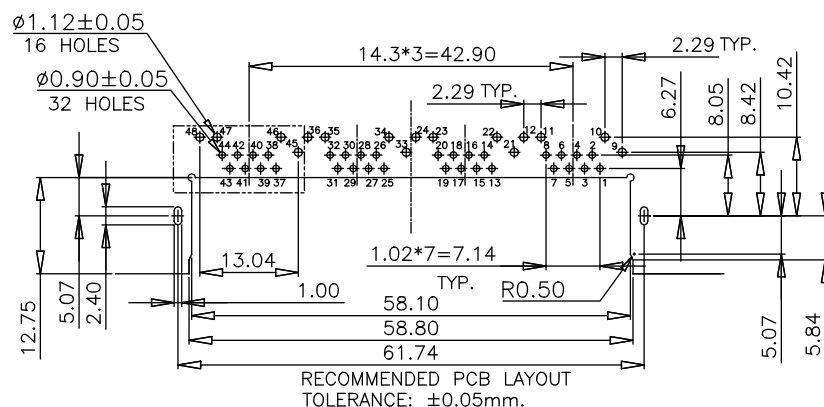
Multi Port

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

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

Mechanical

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

Recommended Soldering Temperature:

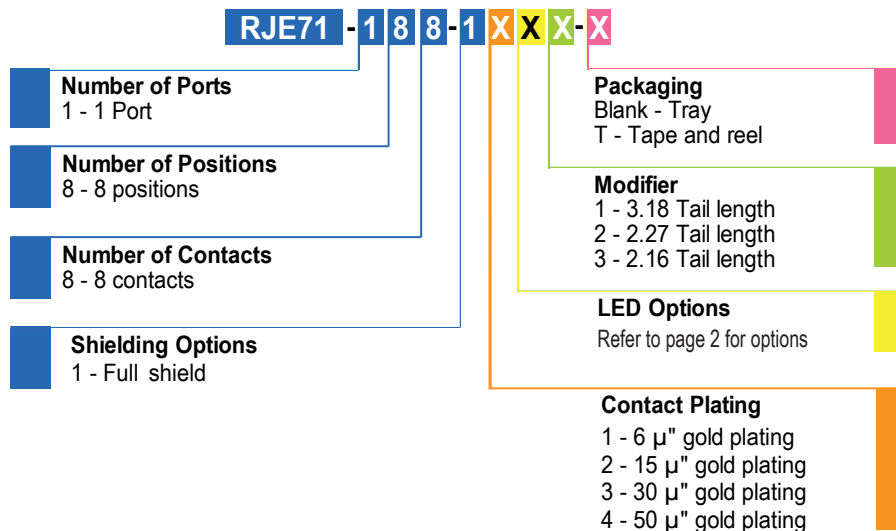
- a) Wave soldering peaked at 260°C for 5 seconds maximum, or
 - b) IR reflow peaked at 260°C for 5 to 8 seconds
- 55°C to + 85°C

Operating Temperature:

Electrical

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

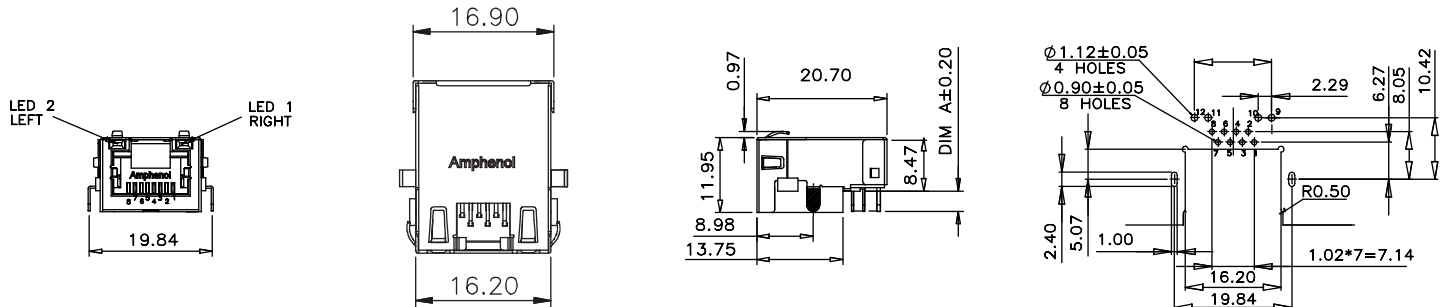
RIGHT ANGLED, RECESSED, LOW PROFILE

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

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

Electrical

Contact Resistance: 20 m Ω maximum

Insulation Resistance:	500 M Ω minimum at 500V DC for 2 minutes max.
Current Rating:	1.5 Amps
Voltage Rating:	125 Volts AC
DWV	1000 VAC, 60 Hz. 1 minute

Mechanical

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

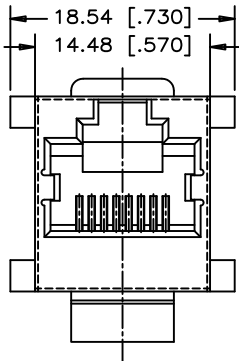
Ordering Information

RJE17 - 2 8 8 - 1 X X X				
Number of Ports 2 - 2 ports				
Number of Positions 8 - 8 positions				
Number of Contacts 8 - 8 contacts				
Contact Plating 1 - 6 μ " gold plating 2 - 15 μ " gold plating 3 - 30 μ " gold plating 4 - 50 μ " gold plating 5 - 1 ~ 3 μ " gold plating				
	Modifier 1 - CAT3 matte tin 2 - CAT5e with plating on internal tail 3 - CAT5e with gold flash plating on internal tail			
	Tab Position 1 - Both parts are tab down 2 - One port is tab up and the other is tab down			

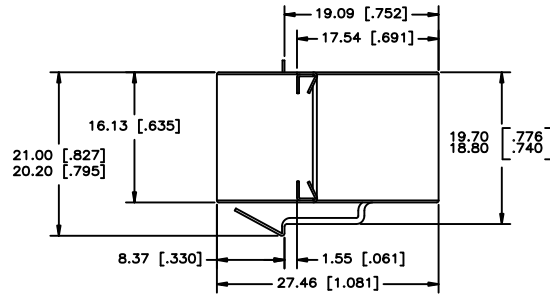
Didn't find what you were looking for?
Please contact sales@amphenolcanada.com and let us know what you need.

Single Port

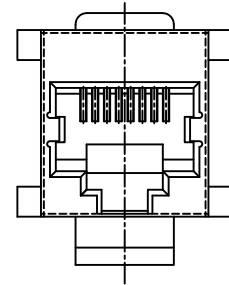
RJE17-288-1121



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 (®).

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All specifications are subject to change without notice.