Amphenol Modular Jacks product catalogue



Amphenol

The Company

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

About the Catalogue

1

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

All of our modular jacks are RoHS compliant.

All drawings in this document are measured in inches [mm], unless otherwise indicated.



Notice: Specifications are subject to change without notice. Contact your nearest Amphenol sales office for the latest specifications. All statements, information, and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed, or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommended to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. Amphenol and RJ vista are registered trademarks.

CONTENTS

Right Angle (Side Entry)

THROUGH-HOLE

RJHSE	Tab Up, Multiport		4-7
RJESE	Tab Up, Standard Profile		8-10
RJE29	Tab Up, Slim Profile		11-12
RJE37	Tab Up, Single Port, Low Profile		13-14
RJE39	Tab Up, Narrow, 2 and 8 Port		15-16
RJE01	Tab Up, RJ11 (Six Position)		17-18
RJSBE	Tab Down, 1, 2 and 4 Port		19-21
FRJAE	Tab Down, Filtered and Shielded		22-24
RJE02	Tab Down, Single Port, High Profile		25-26
RJE03	Tab Down, Single Port, Low Profile		27-28
RJE05	Tab Down, Ultra Low Profile		29-30
RJE09	Tab Down, Standard Profile		31-33
RJULE	Tab Down, Recessed, Low Profile		34-35
RJE73	Tab Down, Single Port, Low Profile		36-37
)	SURFACE MOUNT		
RJSSE	Tab Up, with Light Pipes		38-40
RJCSE	Tab Up, Standard Profile		41-42
RJLSE	Tab Down, Ultra Low Profile		43-44
RJE07	Tab Down, Single Port		45-46
RJE15	Tab Down, Single Port, Low Profile		47-48
2	PRESS FIT		
RJE56	Tab Down, RJ45		49-50
	> STACKED		
RJE36	Stacked, 1 Port		63-64
RJSAE	Stacked, 2, 4 and 8 Ports		65-67
RJSNE	Stacked, 4 over 4 Ports		68-69
LED OP	ΓΙΟΝ5		3
Note	Donotos I EDs aro available for connectors	in the	corioc

Note: Denotes LEDs are available for connectors in the series

Vertical (Top Entry)

RJHSE	Multiport, Standard Profile	4-7
RJE06	Single Port, Slim Profile	51-52
RJE08	Single/Dual Port, Standard Profile	53-54
RJE74	Single Port, Standard Profile	55-56
RJE88	Single Port, Low Profile	57-58
RJE1J	Single Port, Narrow Profile	59-60
)	SURFACE MOUNT	
RJE23	Single Port, Surface Mount	61-62

Category 5e (1G, 2.5G)

RJE48	Right Angle, Low Profile	70-71
RJE58	Right Angle, Standard Profile	72-74
RJE72	Right Angle, Recessed, Low Profile	75-76
RJSGE	Stacked, Press Fit, 2 over 2 Ports	77-78
RJE1R	Stacked, 1 over 1 Ports	86-87

Category 6 (5G, 10G)

RJE45	Vertical, Single Port, Low Profile	79-80
RJE49	Right Angle, Low Profile	81-82
RJE59	Right Angle, Standard Profile	83-85
RJE71	Right Angle, Recessed, Low Profile	86-87
RJE1R	Stacked, 1 over 1 Ports	88-89

Category 6A (10G)

RJE4A	Vertical, Single Port, Low Profile	90-91
RJE7B	Right Angle, Recessed, Low Profile	92-93
RJE60	Right Angle, Standard Profile	94-96

Additional Products RJE17 RJ45 Coupler 97-98 Coming Soon & Other 99-102

LED OPTIONS

LED Designation

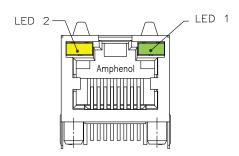
LED	LED 2		LED 1	
Code	Left		Right	
0	Bloc	cked	Blocked	
1	Yel	low	Gre	een
2	Bloc	cked	Gre	een
3	Yel	low	Bloc	cked
4	Gre	een	Yel	low
5	Gre	een	Gre	een
6	Yel	low	Yel	low
7	R	ed	Gre	een
8	Gre	een	R	ed
9	Gre	een	Blocked	
A	Green	Yellow	Green	Yellow
В	Red	Green	Red	Green
С	Red	Green	Green	Yellow
D	Green		Green	Yellow
E	Yel	low	Green	Yellow
F	Green	Yellow	Yel	low
G	Green	Orange	Green	Orange
н	Green	Yellow	Gre	een
J	Red	Green	Yel	low
K	Yel	low	Green	Orange
L	Green	Yellow	R	ed
M	R	ed	Yellow	
N	Green	Red	Green	Yellow
Р	Gre	een	Red	Green
R	Green	Orange	Gre	een
Т	Red Red		ed	
V	Red	Green	Green	

Ex. RJHSE - 538X*

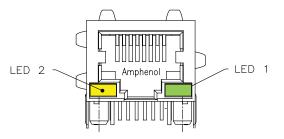
*LED Designation Code

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

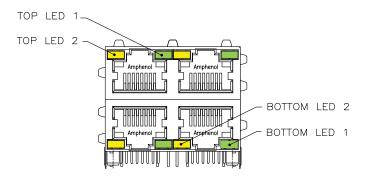
Tab Up Connectors:



Tab Down Connectors:



Stacked Connectors:



Other LED options are available. If you do not see what you're looking for,

please email sales@amphenolcanada.com to request the complete the LED ordering options.

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RJHSE - X X X X - XX

TAB UP, MULTIPORT, 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 colors and ports.

SPECIFICATIONS

Material	Material			
Insulator:	. .	High temp. thermoplastic; Complies with UL 94V-0; Black		
Contacts:	options (6µ contact ma	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail		
Shield:	Stainless ste	eel with tin dipped tails		
LED:	Tin plating	on LED tails		
Mechanica	al			
Insertion For	ce:	5 lbs max.		
Pull Retentio	n Force:	20 lbs min.		
Durability:		750 mating & unmating cycles		
Recommende Soldering Ter		Wave soldering peaked at 260°C for 5 secs max.		
Operating Te	mperature:	-55°C to + 85°C		
UL File #:		E135615		
CSA File #:		LR685398		

Electrical

Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.
Standard LEDs:	For 5.0 V Systems
Forward Voltage:	2.1 Volts typical
Reverse Voltage:	6 Volts min.
Luminous Intensity:	0.5 mcd min. at 2mA
Low Current LEDs:	For 3.3 V Systems
Forward Voltage:	2 Volts typical
Reverse Voltage:	6 Volts min.
Luminous Intensity:	1 mcd min. at 2mA

Note: Vertical version is only available in single port

ORDERING INFORMATION

Version

- 3 Vertical mount, 8 positions, $30\mu^{\prime\prime}$ gold plating
- 5 Right angle, 8 positions, 50µ" gold plating

*Note: Connectors without LEDs are suitable for IR Reflow

- 7 Right angle, 6 positions, 50µ" gold plating
- L Right angle, low profile, 8 positions, $50\mu^{\prime\prime}$ gold plating
- N Vertical mount, 8 positions, $50\mu''$ gold plating

Shield Options

- 0 No shield
- 3 Shield with top and side tabs (single port has top tabs only)
- 4 For single port only: Shield with top and side tabs
- F Shield without top, side or bottom tabs
- P Shield with top & bottom tabs, for vertical mount connector

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Click to Return to Table of Contents



THROUGH - HOLE

ance	20 mΩ max.
stance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
:	1.5 Amps per contact
:	125 Volts AC
	1000 VAC, 60 Hz. 1 min.
:	For 5.0 V Systems
ge:	2.1 Volts typical

04 - 4 Ports 06 - 6 Ports 08 - 8 Ports

LED Options

Number of Ports

Blank - 1 Port 02 - 2 Ports

03 - 3 Ports

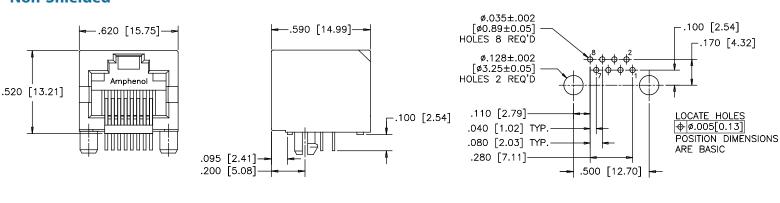
Click to view page 3 for options

Number of Contacts

4 - 4 Contacts



Single Port Non-Shielded



FRONT VIEW

SIDE VIEW

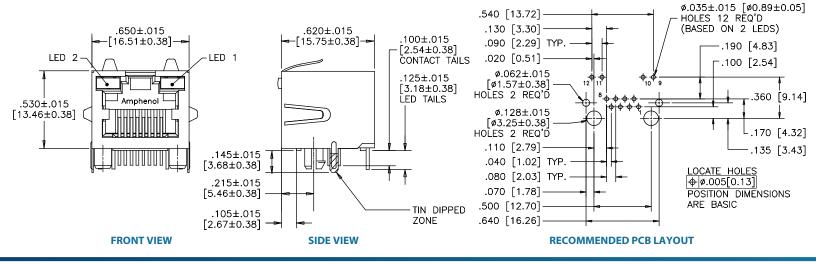
RECOMMENDED PCB LAYOUT

RJHSE-508X

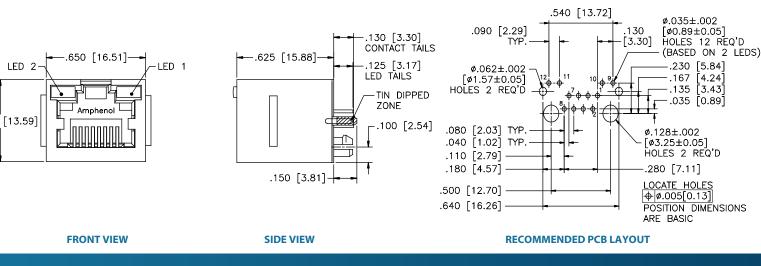
RJHSE-548X

RJHSE-338X





Vertical Mount



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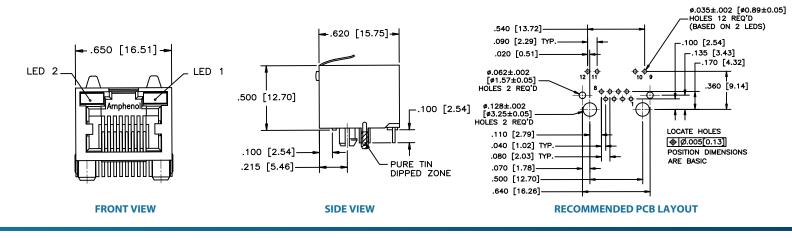
5

.535

RJHSE-L38X

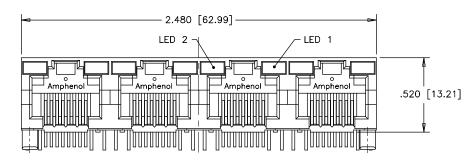
RJHSE TAB UP, MULTIPORT, WITH LEDS

Single Port Shielded - Low Profile

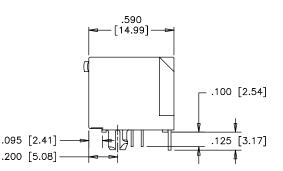


Multi Port Non-Shielded

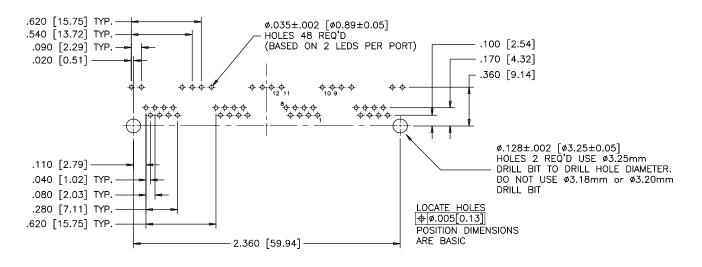
RJHSE-508X-04



FRONT VIEW



SIDE VIEW



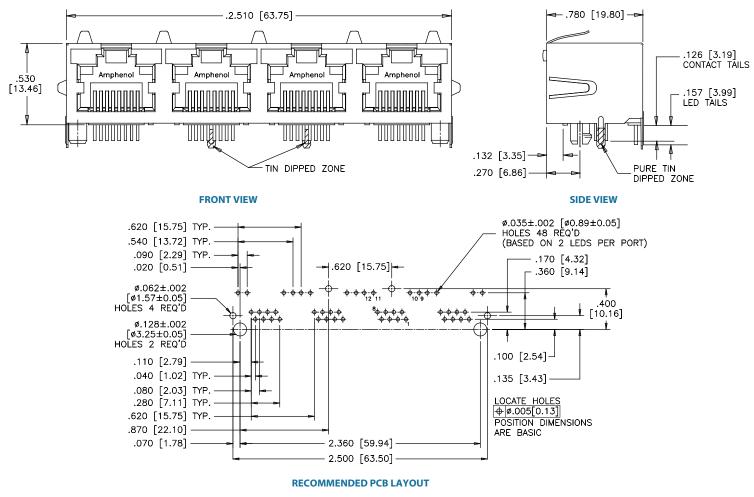
RECOMMENDED PCB LAYOUT



Multi Port

RJHSE-538X-04





Notes

7

RJESE TAB UP, RJ45 & RJ11, STANDARD PROFILE

TAB UP, RJ45 & RJ11, STANDARD PROFILE

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



SPECIFICATIONS

Material		Electrical	
5	ing thermoplastic;	Contact Resistance	20 mΩ max.
Complie	s with UL 94V-0; Black	Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.
•	r bronze hard temper with gold thickness 6µ", 15µ", 30µ", 50µ") over 50µ" min. nickel on	Current Rating:	1.5 Amps per contact
	mating area; $100\mu''$ min. matte tin plating on	Voltage Rating:	125 Volts AC
soldering	g tall	DWV:	1000 VAC, 60 Hz. 1 min.
Shield: Stainless	d: Stainless steel with tin dipped tails		20mA typical
LED: Tin plati	ng on LED tails	Current:	
Mechanical		LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 2mA (for bicolours)
Insertion Force:	5 lbs max.	LED Reverse Voltage:	5 Volts min.
Pull Retention Force:	20 lbs min.	LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours)
Durability:	750 mating & unmating cycles		0.5 mcd min. at 2mA (for bicolours)
Recommended Soldering Temperature	Wave soldering peaked at 260°C for 5 secs max.	LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA
Operating Temperature	• -55℃ to + 85℃		Red: 625 \pm 5 nm measured at 20mA

ORDERING INFORMATION

Version	Special Identifier
3 - Vertical mount, 8 positions, with panel stops	Blank - Standard black housin
7 - Right angle, 6 positions	02 - Yellow housing colour
8 - Right angle, 8 positions	03 - Red housing colour
Shield Options	Number of Ports
0 - No shield	1 -1 Port
3 - Standard shield, 1 to 8 port (single port without side tabs)	2 - 2 Ports
4 - Single port shield, top and side tabs	4 - 4 Ports
Number of Contacts	Contact Plating
4 - 4 Contacts	0 - 6µ″ gold plating
6 - 6 Contacts	1 - 15µ″ gold plating
8 - 8 Contacts	2 - 30µ″ gold plating
LED Ontions	3 - 50µ" gold plating
LED Options	

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Click to Return to Table of Contents

8



Single Port Non-Shielded

-.540 [13.72]--.090 [2.29] TYP. .020 [0.51] .100 [2.54] .620 [15.75] -.590 [14.99]-.170 [4.32] ø.035±.002 LED 1 .035 [0.89] .360 [9.14] LED 2 [00.89±0.05] HOLES 12 REQ'D (BASED ON 2 LEDS) -ф--10 ф 9 ŧ Ψ 11 12 ⁸ ⊕ ⊕ ⊕ ² ⊕ ø.128±.002 .520 [ø3.25±0.05] φ.φ ŀ¢_ -¢ [13.21] HOLES 2 REQ'D .122 [3.10] LOCATE HOLES ⊕ Ø.005[0.13] .110 [2.79] .095 [2.41] ⊨ .040 [1.02] TYP. POSITION DIMENSIONS 100 .200 [5.08] ARE BASIC .080 [2.03] TYP. [2.54] .280 [7.11] .500 [12.70]

SIDE VIEW

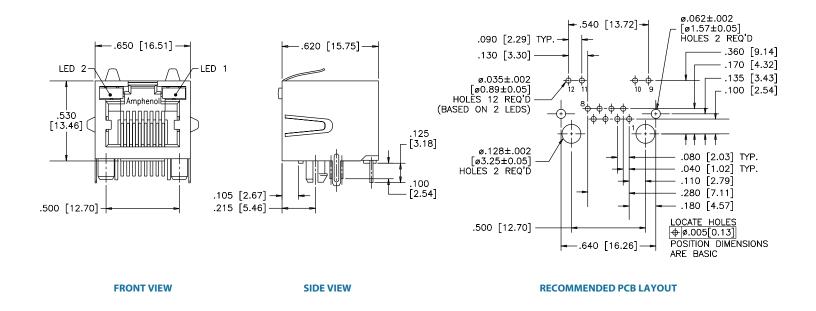
FRONT VIEW

Shielded

9

RJESE-848X-X1

RECOMMENDED PCB LAYOUT

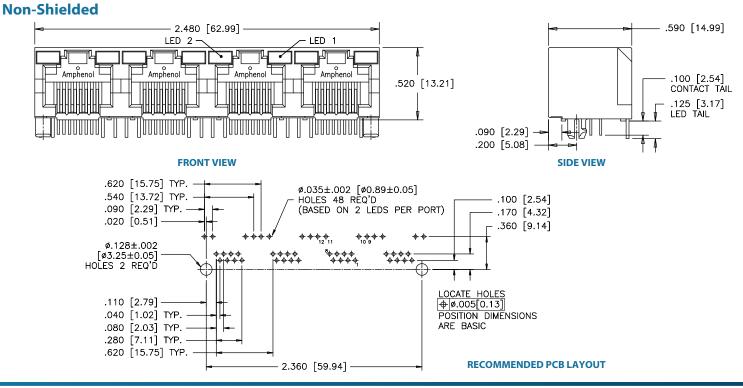


RJESE-808X-X1

RJESE-808X-X4

RJES TAB UP, RJ45 & RJ11, STANDARD PROFILE

Multi Port



Shielded

2.510 [63.75] .620 [15.75] -IED 2 IFD 1 Amphenol Amphenol ☐ Amphenol Amphenol .100 [2.54] .530 [13.46] .125 [3.18] ППП .105 [2.67] ŧHi .215 [5.46] PURF-TIN **FRONT VIEW SIDE VIEW** DIPPED ZONE Ø.035±.002 [Ø0.89±0.05] .620 [15.75] TYP. HOLES 48 REQ'D (BASED ON 2 LEDS PER PORT) .540 [13.72] TYP. .090 [2.29] TYP. .620 .170 [4.32] .020 [0.51] [15.75 .360 [9.14] ø.062±.002 φ [ø1.57±0.05] .400 [10.16] HOLES 4 REQ'D + + + + ᠿ .110 [2.79] LOCATE HOLES .100 [2.54] **♦**ø.005[0.13] .040 [1.02] TYP. POSITION DIMENSIONS .135 [3.43] .080 [2.03] TYP. ARE BASIC .280 [7.11] TYP. ø.128±.002 [ø3.25±0.05] .620 [15.75] TYP. HOLES 2 REQ'D .870 [22.10] .070 [1.78] 2.360 [59.94] **RECOMMENDED PCB LAYOUT**

2.500 [63.50]



TAB UP, SLIM PROFILE

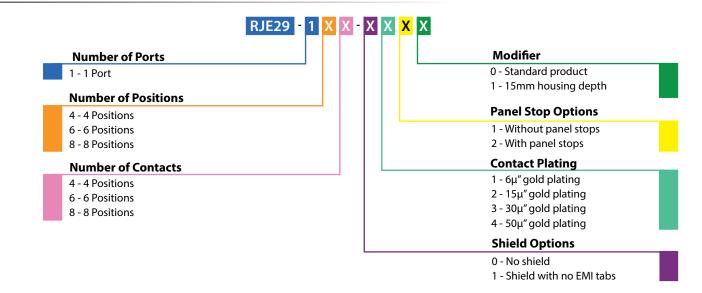
RJE29 series is designed to meet a wide variety of applications. Available in multiple positions and contacts to support basic telecom and Ethernet protocols. Shielding is available for increased EMI performance.

SPECIFICATIONS

Material		Mechanical	
Insulator:	High temp. thermoplastic;Insertion Force:Complies with UL 94V-0; Black		4 contacts: 1.8 Kgf Max 6 contacts: 2.1 Kgf Max
Contacts:	Phosphor bronze hard temper with gold thickness options (6 μ ", 15 μ ", 30 μ ", 50 μ ") over 50 μ " min. nickel on contact mating area; 100 μ " min. matte tin plating on soldering tail		8 contacts: 2.3 Kgf Max 10 contacts: 2.5Kgf Max
		Pull Retention Force:	20 lbs min.
		Durability:	750 mating & unmating cycles with 50u
Shield:	Stainless steel with tin dipped tails	Recommended	Wave soldering peaked at 260°C for 5
LED:	Tin plating on LED tails	Soldering Temperature:	secs max.
		Operating Temperature:	-40°C to + 85°C
The station of			

Electrical	
Contact Resistance	40 mΩ max.
Insulation resistance:	500 M Ω min. at 100V DC
Current Rating:	1.5 Amps
Voltage Rating:	150 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.

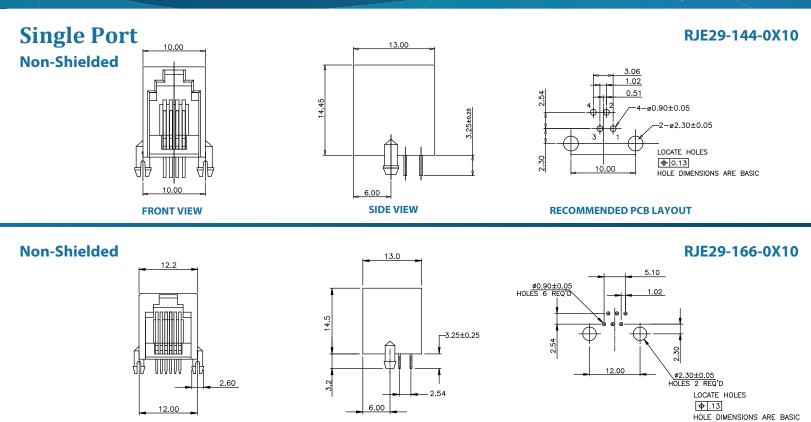
ORDERING INFORMATION



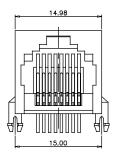
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RJE29 TAB UP, SLIM PROFILE

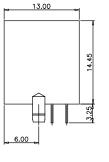


Non-Shielded



FRONT VIEW

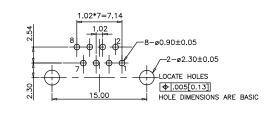
FRONT VIEW



SIDE VIEW

SIDE VIEW

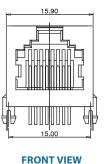
RJE29-188-0X10



RECOMMENDED PCB LAYOUT

RECOMMENDED PCB LAYOUT

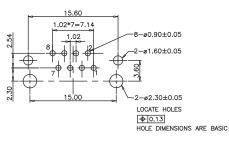
Shielded



SIDE VIEW

RJE29-188-1X10

12



RECOMMENDED PCB LAYOUT

TAB UP, SINGLE PORT, LOW PROFILE, WITH LEDs

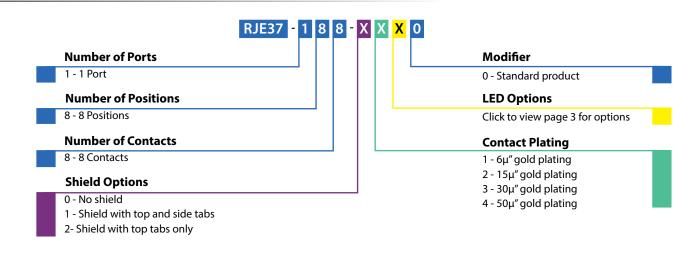
Single port through-hole (THT) series with multiple shield and LED options. Similar to our single port RJHSE series, but with a slightly lower profile and longer body. Inverted latch orientation for easy mating with industry standard plugs.

SPECIFICATIONS

Material					
Insulator:	5 1	High temp. thermoplastic; Complies with UL 94V-0; Black			
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail				
Shield:	Stainless ste	Stainless steel with tin dipped tails			
LED:	Tin plating on LED tails				
Mechanic	al				
Insertion Force:		5 lbs max.			
Pull Retentio	n Force:	20 lbs min.			
Durability:		750 mating & unmating cycles			
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max.			
Operating Temperature:		-55°C to + 85°C			
*Note: Connectors without LEDs are suitable for IR Reflow					

Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.
LED Forward DC Current :	20mA typical
LED Forward Voltage:	2.6 Volts max. at 2mA
LED Reverse Voltage:	5 Volts min.
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)
LED Wave Length:	Yellow: 585 \pm 7 nm measured at 20mA Green: 568 \pm 6 nm measured at 20mA Red: 640 \pm 5 nm measured at 20mA

ORDERING INFORMATION



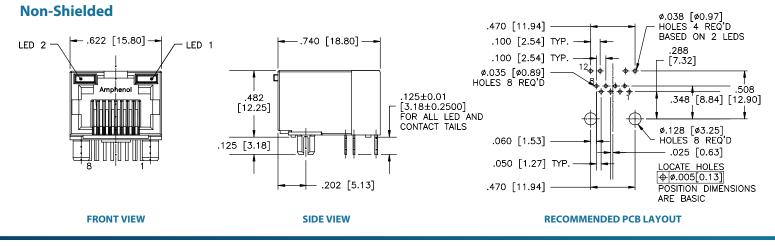
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RJE37-188-0XX0

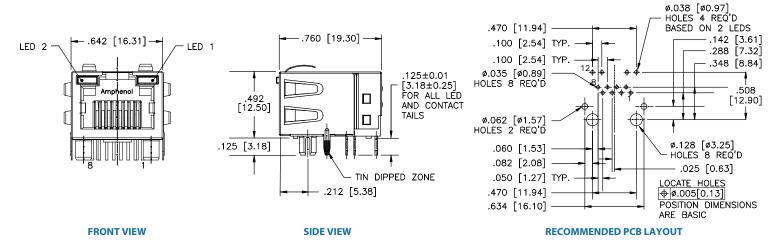
RJE37 TAB UP, SINGLE PORT, LOW PROFILE, WITH LEDS

Single Port



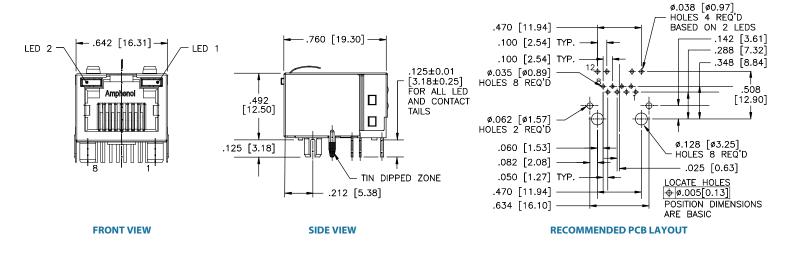
Shielded - With Full Tabs

RJE37-188-1XX0



Shielded - With Top Tabs Only







TAB UP, NARROW, TWO AND EIGHT PORT

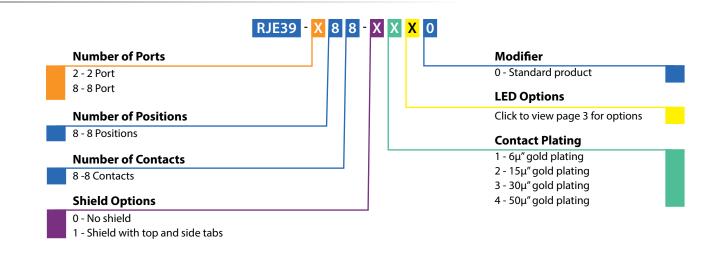
Single and eight port through-hole (THT) series with multiple shield and LED options. Similar to the RJHSE series, but with a narrower profile. This series is ideal for programs that need multiple connectors, but have limited PCB space.

SPECIFICATIONS

Material					
Insulator:	5 1	High temp. thermoplastic; Complies with UL 94V-0; Black			
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail				
Shield:	Stainless steel with tin dipped tails				
LED:	Tin plating on LED tails				
Mechanica	ป				
Insertion Force:		5 lbs max.			
Pull Retention Force:		20 lbs min.			
Durability:		750 mating & unmating cycles			
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max.			
Operating Temperature:		-55°C to + 85°C			
*Note: Connectors without LEDs are suitable for IR Reflow					

Electrical Contact Resistance 20 mΩ max. 500 M Ω min. at 500V DC for 2 mins max. **Insulation resistance: Current Rating:** 1.5 Amps per contact **Voltage Rating:** 125 Volts AC DWV: 1000 VAC, 60 Hz. 1 min. **LED Forward DC** 20mA typical **Current:** LED Forward Voltage: 2.6 Volts max. at 2mA (for single colour) **LED Reverse Voltage:** 5 Volts min. **LED Light Intensity:** 4.5 to 6.0 mcd min. at 20mA (for single colours) LED Wave Length: Yellow: 588 ± 7 nm measured at 20mA Green: 570 ± 6 nm measured at 20mA Red: 628 ± 5 nm measured at 20mA

ORDERING INFORMATION



Didn't find what you were looking for?

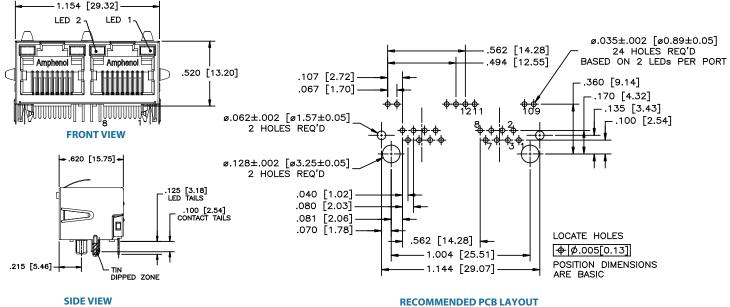
Please contact sales@amphenolcanada.com and let us know what you need.



RJE39-288-1XX0

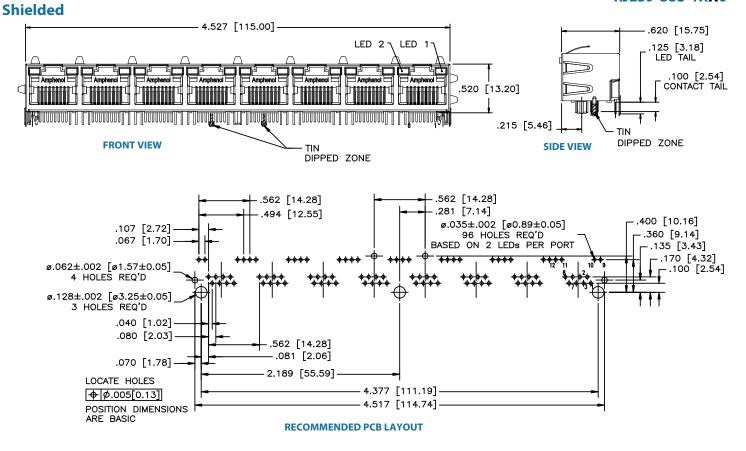
RJE39 TAB UP, NARROW, TWO AND EIGHT PORT

Two Port Shielded



Eight Port

RJE39-888-1XX0





TAB UP, RJ11 (SIX POSITION)

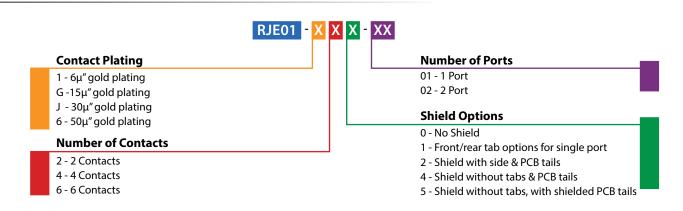
The RJE01 series of 6-position jacks are designed for superior EMI performance. The inverted connector provides shorter leads, eliminating the EMI antenna effect of the standard connector footprint. Typical performance improvement over their standard connector counterparts is 5-10 dB over the frequency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

SPECIFICATIONS

Material					
Insulator:	5	High temp. thermoplastic; Complies with UL 94V-0; Black			
Contacts:	options contact	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail			
Shield:	Stainles	Stainless steel with tin dipped tails			
Electrical					
Contact Resist	tance	20 mΩ max.			
Insulation res		20 m Ω max. 500 M Ω min. at 500V DC for 2 mins max.			
	istance:				
Insulation res	istance: g:	500 M Ω min. at 500V DC for 2 mins max.			

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
Operating Temperature:	-55°C to + 85°C
UL File #:	E135615
CSA File #:	LR685398

ORDERING INFORMATION

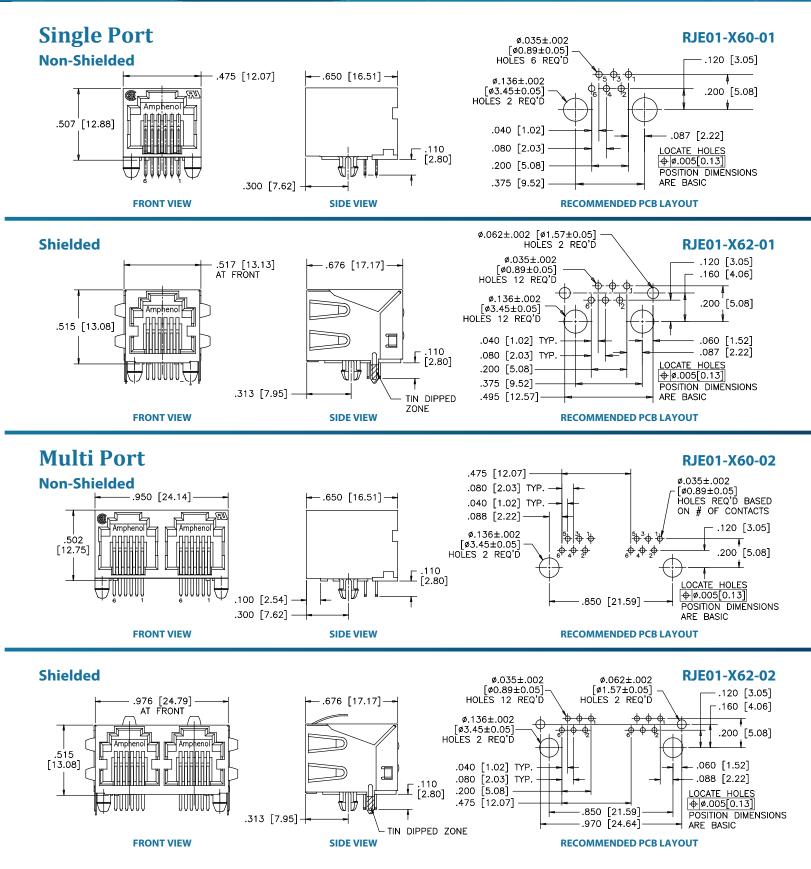


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TAB DOWN, 1, 2 AND 4 PORT WITH LEDs

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

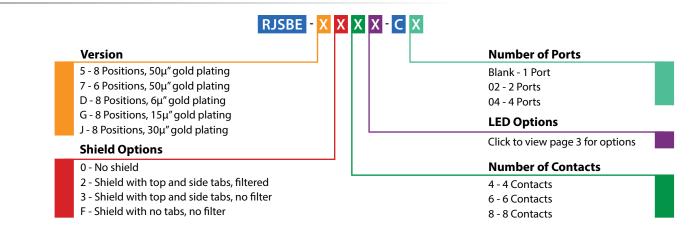
SPECIFICATIONS

Material						
Insulator:	5 1	High temp. thermoplastic; Complies with UL 94V-0; Black				
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail					
Shield:	Copper allo	Copper alloy; nickel plated with tin dipped tails				
LED:	Tin plating o	Tin plating on LED tails				
Mechanical						
Insertion Force:		5 lbs max.				
Pull Retention Force:		20 lbs min.				
Durability:		750 mating & unmating cycles				
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max.				
Operating Te	mperature:	-55°C to + 85°C				
UL File #:		E135615				
CSA File #:		LR685398				

Electrical					
Contact Resistance	20 mΩ max.				
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.				
Current Rating:	1.5 Amps per contact				
Voltage Rating:	125 Volts AC				
DWV:	1000 VAC, 60 Hz. 1 min.				
LED Forward DC Current:	20mA typical				
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 2mA (for bicolours)				
LED Reverse Voltage:	5 Volts min.				
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)				
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA				

Note* Connectors without LEDs are suitable for IR Reflow

ORDERING INFORMATION



Didn't find what you were looking for?

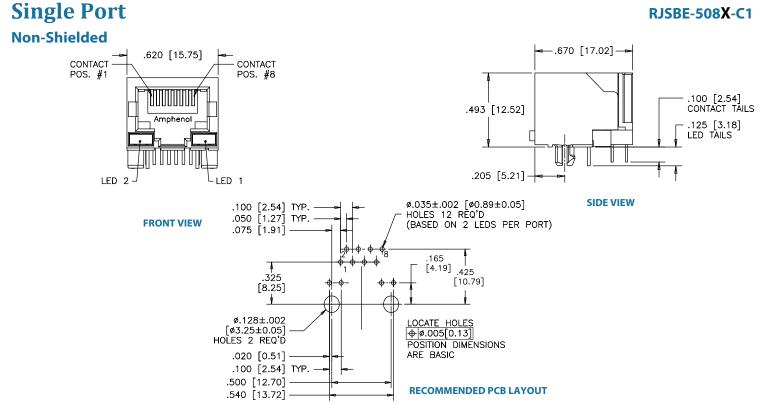
Please contact sales@amphenolcanada.com and let us know what you need.

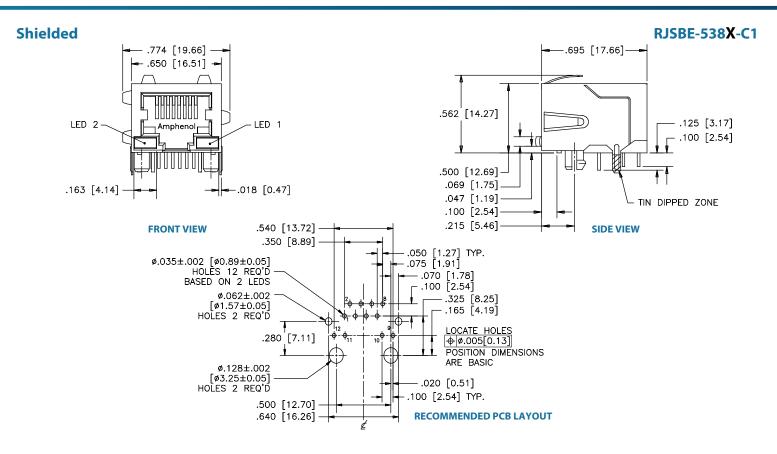




RISB TAB DOWN, 1, 2 AND 4 PORT WITH LEDs

RJSBE-508X-C1

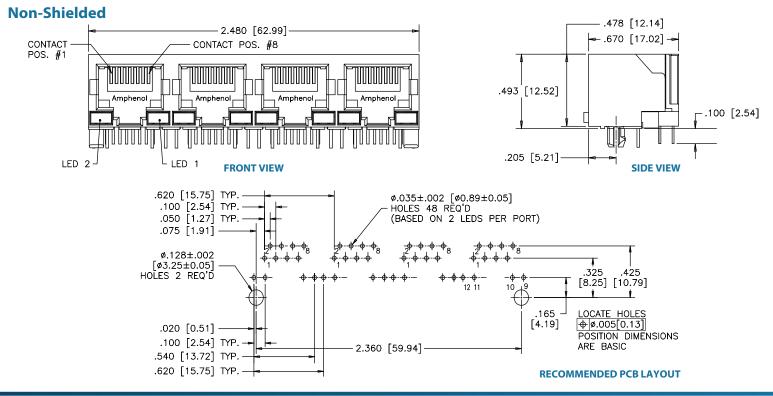


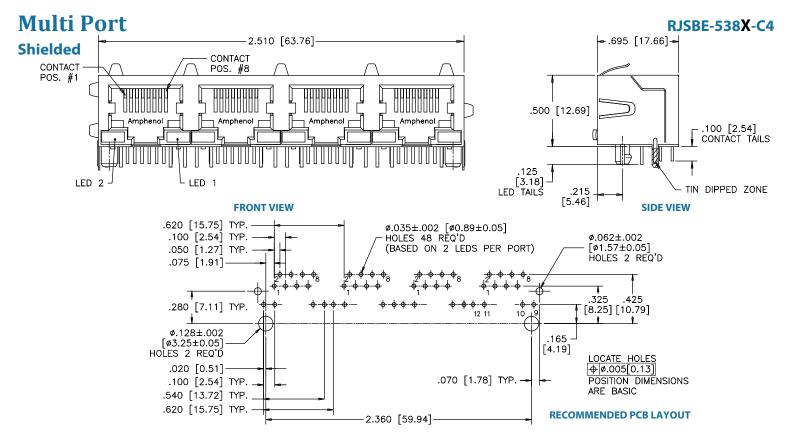




Multi Port

RJSBE-508X-C4





TAB DOWN, FILTERED AND SHIELDED

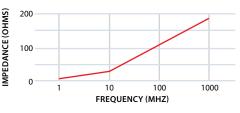
TAB DOWN, FILTERED AND SHIELDED

The FRJAE series of shielded and filtered modular jacks offer low cost and effective EMC control within standard RJ11 & RJ45 connector footprints. EMC control is offered by a completely shielded connector and/or with the use of a high resistivity, high impedance ferrite filter. No board layout changes are required for its use. Simply replace the standard non-filtered connector for superior EMC performance.

SPECIFICATIONS

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

IMPEDANCE CHARACTERISTICS

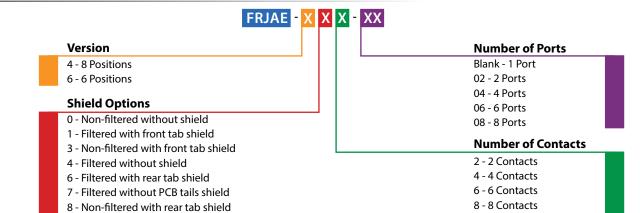


Electrical Contact Resistance $20 \text{ m}\Omega \text{ max}.$ Insulation resistance: 500 MΩ min. at 500V DC for 2 mins max. **Current Rating:** 1.5 Amps per contact **Voltage Rating:** 125 Volts AC DWV: 1000 VAC, 60 Hz. 1 min. **Mechanical Insertion Force:** 5 lbs max. **Pull Retention Force:** 20 lbs min. **Durability:** 750 mating & unmating cycles Wave soldering peaked at 260°C for 5 Recommended Soldering Temperature: secs max. **Operating Temperature:** -55°C to + 85°C

E135615

I R68598

ORDERING INFORMATION



UL File #:

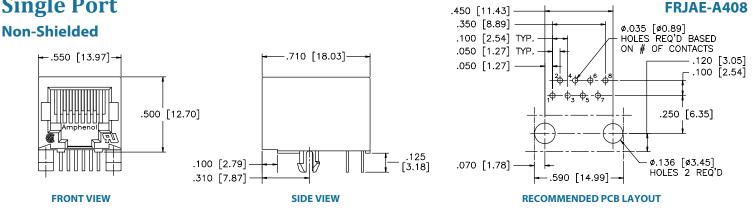
CSA File #:

Didn't find what you were looking for?

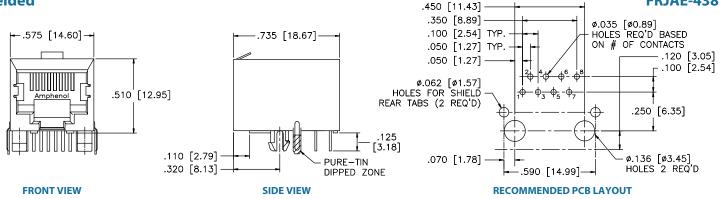
Please contact sales@amphenolcanada.com and let us know what you need.

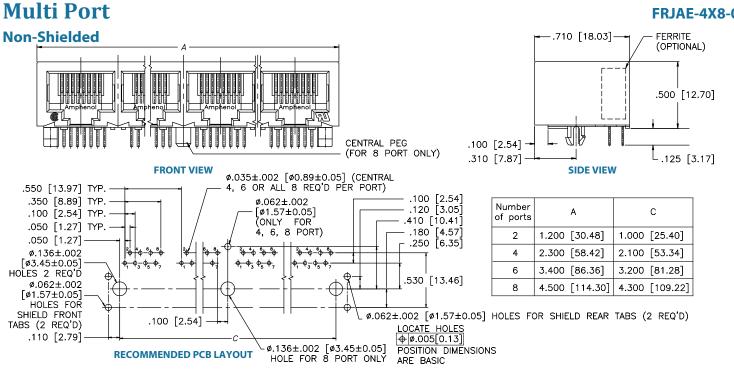
FRJAE TAB DOWN, FILTERED AND SHIELDED

Single Port



Shielded





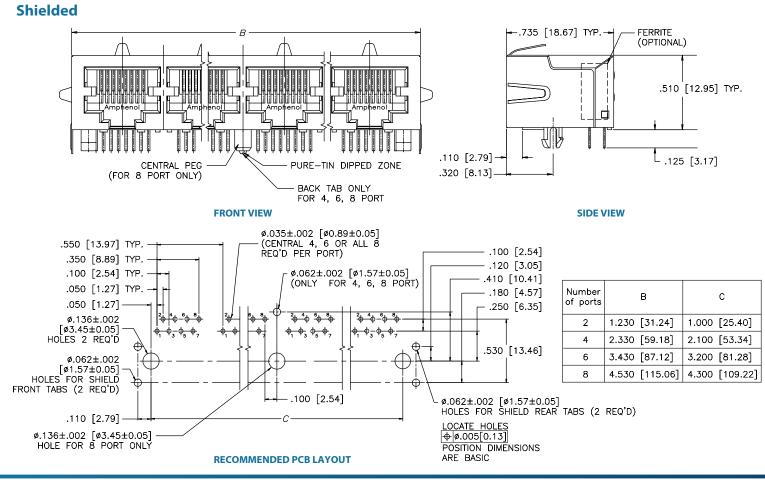
FRJAE-4X8-0X

FRJAE-438

TAB DOWN, FILTERED AND SHIELDED

Multi Port

FRJAE-418-0X



Notes



TAB DOWN, 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 options with and without a panel stops, and RJ11 & RJ45 configurations.

SPECIFICATIONS

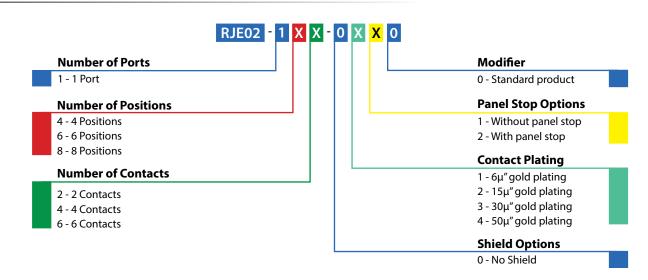
Material	
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail
Shield:	Copper alloy; nickel plated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

MechanicalInsertion Force:5 lbs max.Pull Retention Force:20 lbs min.Durability:750 mating & unmating cyclesRecommended
Soldering Temperature:Wave soldering peaked at 260°C for 5
secs max.Operating Temperature:-40°C to + 85°C

*Note: Connectors with high temp. material are suitable for IR Reflow

Flastwissl	
Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1500 VAC, 60 Hz. 1 min.

ORDERING INFORMATION



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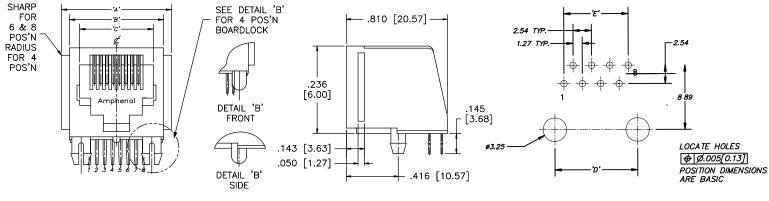


RJE02 TAB DOWN, SINGLE PORT, HIGH PROFILE

Single Port

RJE02-1XX-0X20

Non-Shielded



FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT

No. of	No. of	Dimensions				
Positions	Contacts	A	В	С	D	E
4	2	.540 [13.72]	.440 [11.18]	.309 [7.85]	.300 [7.62]	.050 [1.27]
4	4	.540 [13.72]	.440 [11.18]	.309 [7.85]	.300 [7.62]	.150 [3.81]
6	2	.620 [15.75]	.520 [13.21]	.389 [9.88]	.400 [10.16]	.050 [1.27]
6	4	.620 [15.75]	.520 [13.21]	.389 [9.88]	.400 [10.16]	.150 [3.81]
6	6	.620 [15.75]	.520 [13.21]	.389 [9.88]	.400 [10.16]	.150 [3.81]
8	8	.700 [17.78]	.600 [15.24]	.469 [11.91]	.450 [11.43]	.350 [8.89]
	Positions 4 4 6 6 6 6	PositionsContacts4244626466	Positions Contacts A 4 2 .540 [13.72] 4 4 .540 [13.72] 6 2 .620 [15.75] 6 4 .620 [15.75] 6 6 .620 [15.75]	Positions Contacts A B 4 2 .540 [13.72] .440 [11.18] 4 4 .540 [13.72] .440 [11.18] 6 2 .620 [15.75] .520 [13.21] 6 4 .620 [15.75] .520 [13.21] 6 6 .620 [15.75] .520 [13.21]	A B C 4 2 .540 [13.72] .440 [11.18] .309 [7.85] 4 4 .540 [13.72] .440 [11.18] .309 [7.85] 6 2 .620 [15.75] .520 [13.21] .389 [9.88] 6 4 .620 [15.75] .520 [13.21] .389 [9.88] 6 6 .620 [15.75] .520 [13.21] .389 [9.88]	A B C D 4 2 .540 [13.72] .440 [11.18] .309 [7.85] .300 [7.62] 4 4 .540 [13.72] .440 [11.18] .309 [7.85] .300 [7.62] 4 4 .540 [13.72] .440 [11.18] .309 [7.85] .300 [7.62] 6 2 .620 [15.75] .520 [13.21] .389 [9.88] .400 [10.16] 6 4 .620 [15.75] .520 [13.21] .389 [9.88] .400 [10.16] 6 6 .620 [15.75] .520 [13.21] .389 [9.88] .400 [10.16]

Notes



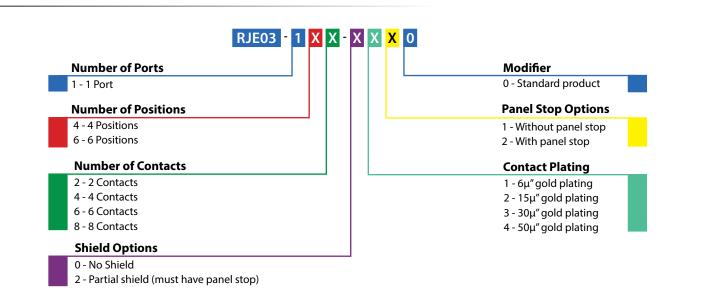
TAB DOWN, SINGLE PORT, LOW PROFILE

RE03 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 and non-shielded, and RJ11 & RJ45 configurations.

SPECIFICATIONS

Material			Mechanical	
Insulator:		mp. thermoplastic;	Insertion Force:	5 lbs max.
-	Complies with UL 94V-0; Black		Pull Retention Force:	20 lbs min.
-		or bronze hard temper with gold thickness (6µ", 15µ", 30µ", 50µ") over 50µ" min. nickel on	Durability:	750 mating & unmating cycles
	contact solderir	mating area; 100µ" min. matte tin plating on ng tail	Recommended Soldering Temperature:	Wave soldering peaked at 260°C 5 secs max.
Shield:	Copper	alloy; nickel plated with tin dipped tail	Operating Temperature:	- 40°C to + 85°C
Electrical			*Note: Connectors with high	temp. material are suitable for IR Re
Contact Resis	stance	20 mΩ max.		
Insulation re	sistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.		
Current Ratir	ng:	1.5 Amps per contact		
Voltage Ratii	ng:	125 Volts AC		
DWV:		1000 VAC, 60 Hz. 1 min.		

ORDERING INFORMATION



Didn't find what you were looking for?

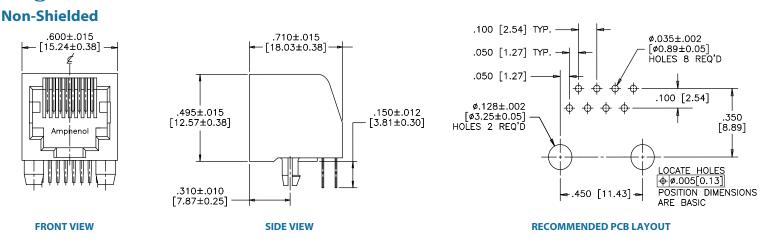
27

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RJE03 TAB DOWN, SINGLE PORT, LOW PROFILE

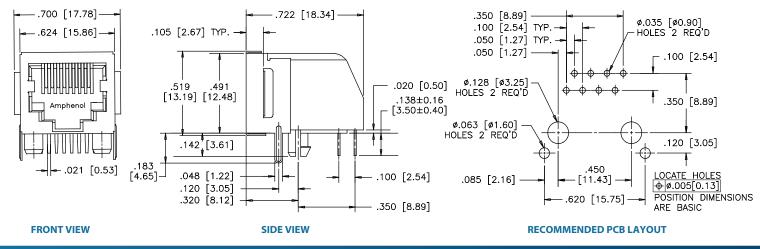
RJE03-188-0X10



Shielded with Panel Stop

Single Port

RJE03-188-2X20



Notes



TAB DOWN, ULTRA LOW PROFILE

RJE05 series is a group of products within a family of standard modular jacks designed to meet requirements for a variety of applications. Options within the RJE05 family include shielded or non-shielded, and RJ11 & RJ45 configurations.

SPECIFICATIONS

Material		
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black	
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail	
Shield:	Copper alloy; nickel plated with tin dipped tail	
Electrical		
Contact Resist	ance	20 mΩ max.
Insulation resi	stance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating	j:	1.5 Amps per contact
Voltage Rating	g:	125 Volts AC
DWV:		1000 VAC, 60 Hz. 1 min.

MechanicalInsertion Force:5 lbs max.Pull Retention Force:20 lbs min.Durability:750 mating & unmating cyclesRecommended
Soldering Temperature:Wave soldering peaked at 260°C for
5 secs max.Operating Temperature:-40°C to + 85°CUL File #:E135615

*Note: Connectors with high temp. material are suitable for IR Reflow

RJE05 1 X X X X 1 0 Number of Ports 1 1 N X X X 1 0 Number of Positions 4 4 Positions 6 6 Positions 8 10 Positions A 10 Positions Number of Contacts 2 2 Contacts

4 - 4 Contacts

ORDERING INFORMATION

- 6 6 Contacts
- 8 8 Contacts A - 10 Contacts

Modifier 0 - Standard product Panel Stop Options 1 - No panel stop Contact Plating 2 - 15μ" gold plating 2 - 15μ" gold plating 3 - 30μ" gold plating 4 - 50μ" gold plating Shield Options 0 - No shield

- 1 Shield with front PCB tabs, no top or side tabs
- 5 Shield with top, side, and front PCB tabs
- 8 Shield with rear PCB tabs, no top or side tabs

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29

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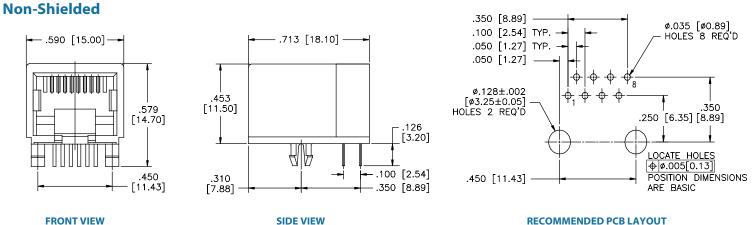


RJE05-188-0X10

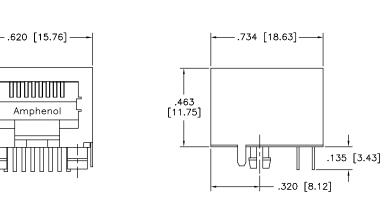
RJE05-188-1X10

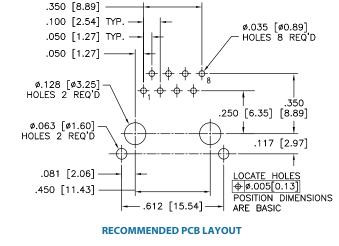
RJE05 TAB DOWN, ULTRA LOW PROFILE

Single Port



Shielded with Front PCB Tabs



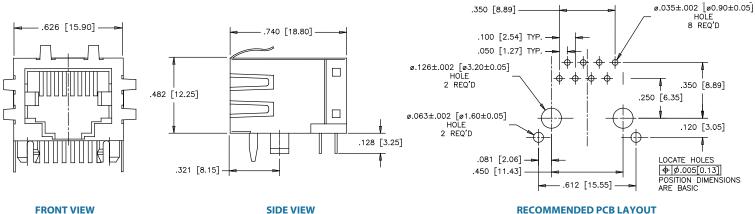


FRONT VIEW

SIDE VIEW







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•••

RJE09 TAB DOWN, STANDARD PROFILE

TAB DOWN, 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 with the RJE09 family include shielded & non-shielded, and RJ11 & RJ45.

SPECIFICATIONS

Material		
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black	
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin or gold flash plating on soldering tail	
Shield:	Copper alloy; nickel plated allover	
Electrical		
Contact Resist	ance	20 mΩ max.
Insulation resi		· · · · · · · · · · · · · · · · · · ·
	stance:	500 M Ω min. at 500V DC for 2 mins max.
Current Rating		500 MΩ min. at 500V DC for 2 mins max. 1.5 Amps per contact
Current Rating Voltage Rating): 	

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 to 8 secs max.
Operating Temperature:	- 40°C to + 70°C
UL File #:	E136228

ORDERING INFORMATION

	RJE09 - X X X - X	XX	× o
Number of Ports			Modifier
1 -1 Port			0 - Standard product
2 - 2 Ports			
4 - 4 Ports			Panel Stop Options
6 - 6 Ports			1 - No panel stop
8 - 8 Ports			2 - With panel stop
Number of Positions			Contact Plating
6 - 6 Positions			1 - 6µ" gold plating
8 - 8 Positions			2 - 15µ" gold plating
A - 10 Positions			3 - 30µ" gold plating
			4 - 50µ" gold plating
Number of Contacts			Shield Options
4 - 4 Contacts	L		0 - No shield
6 - 6 Contacts			
8 - 8 Contacts			1 - Shield with rear PCB tabs, no top or side tal
A - 10 Contacts			5 - Shield with top, side, and front PCB tabs

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

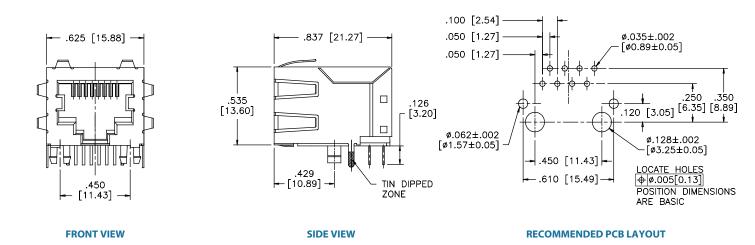


RJE TAB DOWN, STANDARD PROFILE

Single Port RJE09-1AA-0X10 Non-Shielded .100 [2.54] TYP. .050 [1.27] TYP. ø.035±.002 -.810 [20.57] [ø0.89±0.05] - .600 [15.25] HOLES 10 REQ'D .100 [2.54] .250 [6.35] .524 [13.30] LOCATE HOLES ⊕ Ø.005[0.13] ø.128±.002 [ø3.25±0.05] HOLES 2 REQ'D POSITION DIMENSIONS ARE BASIC .415 450 -[10.55] .135 [3.44] [11.43] **RECOMMENDED PCB LAYOUT FRONT VIEW SIDE VIEW** Shielded RJE09-188-1X10 .630 .612 [16.00] SEE DETAIL 'X' .839 [21.30] -[15.55] .031 [0.80] ø.063±.002 .350 [8.89] ø.122 [ø3.10] [ø1.60±0.05] .089 [2.25] ø.035±.002 HOLES 2 REQ'D [ø0.90±0.05] .020 [0.50] .100 [2.54] .050 [1.27] 543 ø.120±.010 .104 [2.65] [ø3.25±0.05] CONTACT TAILS [13.80] 000's ò 148 0 0 0 .051 [3.75] .051 [1.30] .130 [3.30] .35 [8.89] \bigcirc .120 [3.05] .146 [3.70] DETAIL 'X' .114 [2.90] 45 450 OCATE HOLES ⊢[11.43]⊣ .047 [1.20] [11.43] **⊕**ø.005[0.13] .120±.010 ø.126±.002 100±.008 [ø3.20±0.05] POSITION DIMENSIONS [3.05±0.25] [2.54±0.20] HOLES 2 REQ'D ARE BASIC .350±.008 .425 [10.80] [8.89±0.20] **FRONT VIEW SIDE VIEW RECOMMENDED PCB LAYOUT**

Shielded

RJE09-188-5X10



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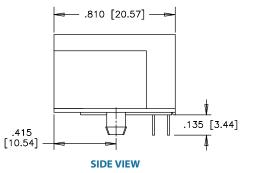
Multi Port

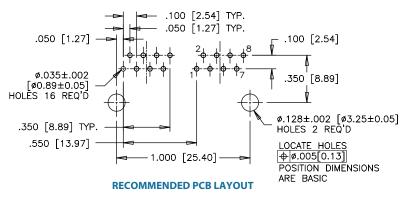
Non-Shielded

RJE09-288-0X10

FRONT VIEW

- 1.200 [30.48] -



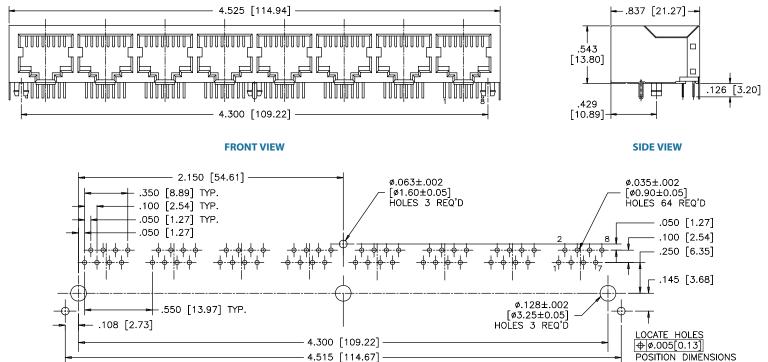


.550 [13.97]

.535 [13.59]

Shielded

RJE09-888-1X10



POSITION DIMENSIONS ARE BASIC

RECOMMENDED PCB LAYOUT

RJULE TAB DOWN, RECESSED, LOW PROFILE

TAB DOWN, RECESSED, LOW PROFILE

RJULE is a series of single port RJ45 modular jacks designed for slim profile applications. With a profile height of less than 10 millimeters, this connector is perfect where vertical space is limited. Standard and rear mount shield options for superior EMI performance makes this part ideal for LAN and router applications.

SPECIFICATIONS

Material			Mechanical
Housing:	5	np. thermoplastic;	Insertion Force:
-		bility rating UL94-0; RoSH compliant	Pull Retention F
Contacts:	Phosph	or bronze	Durability:
Plating:	microns	ated on mating surfaces over 50μ" (1.27) min. nickel under plate; 100μ" (2.54 microns) tte tin on contact tails	Recommended Soldering Temp
Shield:	Copper	alloy; nickel plated	Operating Temp
Pla stational			UL File #:
Electrical			*Note: Suitable fo
Contact Resis	tance	20 mΩ max.	note: Suitable io
Insulation res	sistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.	
Current Ratin	g:	1.5 Amps per contact	
Voltage Ratin	ıg:	125 Volts AC	
DWV:		1000 VAC, 60 Hz. 1 min.	

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
Operating Temperature:	-55°C to + 85°C
UL File #:	E135615
1 5 1	

or IR Reflow

ORDERING INFORMATION

Number of Positions		Packaging
4 - 8 Positions		Blank - Tray
Contact Plating		T - Tape & Reel
$0 - 1 \sim 3\mu''$ gold plating		Number of Ports
1 - 15μ [°] gold plating		01- 1 Port
2 - 30μ" gold plating 3 - 50μ" gold plating		Shield Options
Housing Options		0 - No shield 1 - Shield with top, side, and rear PCB tabs
1 - Black	-	2 - Shield with flared side tabs
2 - Yellow		3 - Shield with rear PCB, no top or side tab
3 - Red		
Number of Contacts		
4 - 4 Contacts		

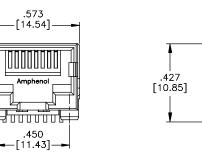
Didn't find what you were looking for?

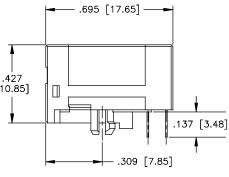
Please contact sales@amphenolcanada.com and let us know what you need.

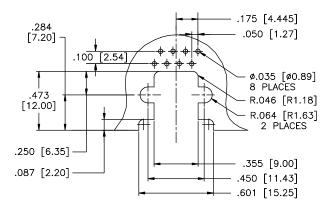


Single Port Non-Shielded

RJULE-4X180-01



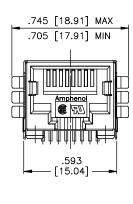




FRONT VIEW

SIDE VIEW

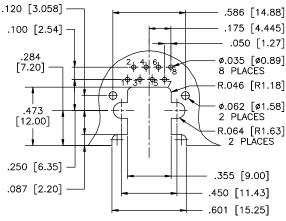
Shielded with Side Ground Tabs



.017 [0.42] .715 [18.15] .447 [11.35] .377 [9.58] .137 [3.48] .319 [8.10] .120 [3.05] .250 [6.35] .3IDE VIEW

RECOMMENDED PCB LAYOUT

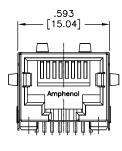
RJULE-4X182-01



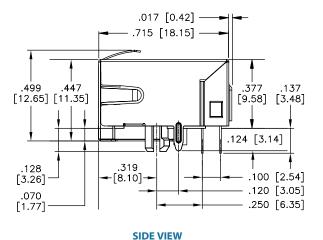
RECOMMENDED PCB LAYOUT

Standard Shield

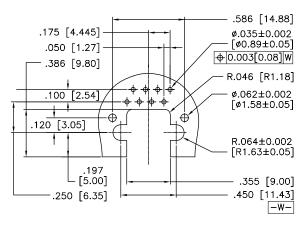
FRONT VIEW



FRONT VIEW



RJULE-4X181-01



RECOMMENDED PCB LAYOUT

RJE73 TAB DOWN, SINGLE PORT, LOW PROFILE, WITH LEDS

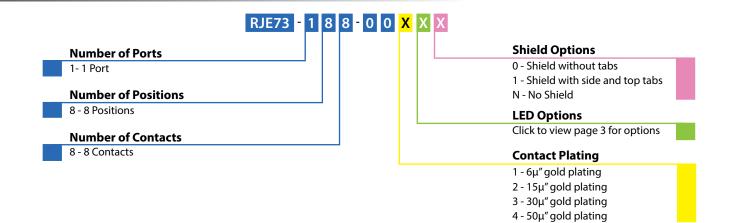
TAB DOWN, SINGLE PORT, LOW PROFILE

The RJE73 modular jack is a low profile RJ45 with LEDs and superior EMI shielding with a small footprint for space sensitive designs. This connector features built-in LEDs that provide link activity and network verification. This product is ideal for LAN applications such as adapter cards and routers.

SPECIFICATIONS

Material		Electrical		
Insulator:			Contact Resistance	20 mΩ max.
Complies with UL94-0; Black		Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.	
Contacts: Phosphor bronze hard temper with gold plating options over 50μ ["] min. nickel on contact mating area			Current Rating:	1.0 Amps per contact
$100\mu^{\prime\prime}$ min. matte tin plating on solder tails		Voltage Rating:	125 Volts AC	
Shield:	Shield: Stainless steel with tin dipped tails		DWV:	1000 VAC, 60 Hz. 1 min.
LED: Tin plating on LED tails		LED Forward DC Current:	20mA typical	
Mechanical		LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours)	
Insertion Force:		5 lbs max.		2.6 Volts max. at 2mA (for bicolours)
Pull Retention Force:		20 lbs min.	LED Reverse Voltage:	5 Volts min.
Durability:		750 mating & unmating cycles	LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours)
Recommended		Wave soldering peaked at 245°C for 8 to		0.5 mcd min. at 2mA (for bicolours)
Soldering Temperature:		10 secs max.	LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA
Operating Temperature:		-55°C to + 85°C		Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA
UL File #:		E135615		Neu. 025 ± 5 mm measureu at 20mA

ORDERING INFORMATION



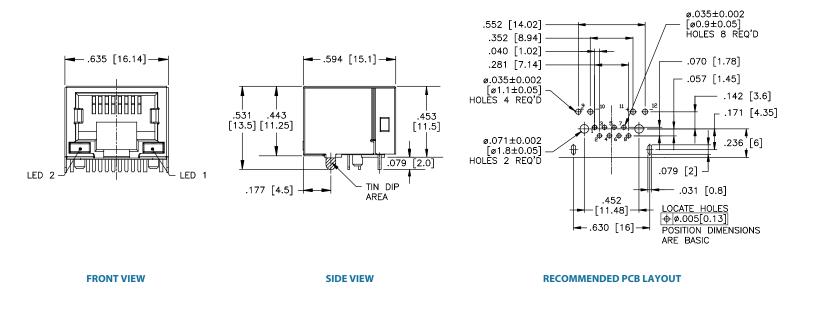
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RJE73 TAB DOWN, SINGLE PORT, LOW PROFILE, WITH LEDS

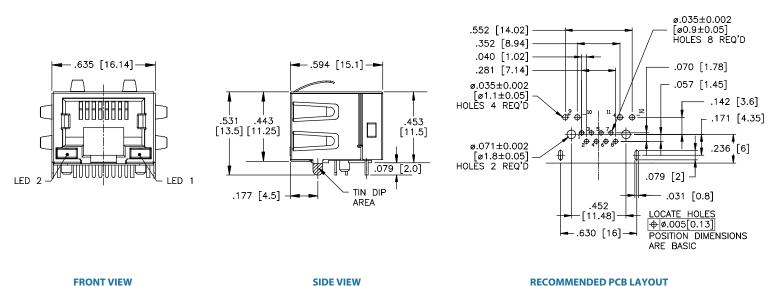
Single Port Shielded - No Top or Side Tabs

RJE73-188-00XX0



Shielded - With Top and Side Tabs

RJE73-188-00XX1



RECOMMENDED PCB LAYOUT

5 lbs max.

20 lbs min.

secs max.

E135615

-55°C to + 85°C

750 mating & unmating cycles

IR Reflow peaked at 260°C for 5 to 10

Amphenol Commercial Products - Amphenol Canada Corp. | Telephone: (416) 291-4401 | Fax: (416) 754-8668 | Email: sales@amphenolcanada.com 38 All specifications are subject to change without notice. Catalogue is updated regularly. Please refer to www.amphenolcanada.com for the most recent edition.

TAB UP, WITH LIGHT PIPES

The RJSSE series represents an expansion of Amphenol Canada's current RJHSE series connector. The RJSSE offers all the benefits of the RJHSE series in SMT with light pipes. Shielded and non-shielded versions are available with or without light pipes.

SPECIFICATIONS

Material		
Insulator: High temp. thermoplastic; Complies with UL94-0; Black		
Contacts:Phosphor bronze hard temper with gold plating options over 50µ" min. nickel on contact mating are 100µ" min. matte tin plating on solder tails		over $50\mu^{\prime\prime}$ min. nickel on contact mating area;
Shield:	Copper alloy; nickel or matte tin plating	
Light Pipe: Optical		polycarbonate; UL 94V-0
Electrical		
Contact Resistance		20 mΩ max.
Insulation resistance:		500 M Ω min. at 500V DC for 2 mins max.
Current Rating:		1.5 Amps per contact
Voltage Rating:		125 Volts AC

1500 VAC, 60 Hz. 1 min.

ORDERING INFORMATION

DWV:

/ersion	Packaging
5 - 8 Positions, 20μ" gold plating	Blank - Tray
7 - 6 Positions, 20μ" gold plating	T - Tape & Reel
Shield Options	Number of Ports
0 - No shield with hold-down bracket	Blank - 1 Port
3 - Shield with top tabs	02 - 2 Ports
5 - Shield with flattened bottom tab	04 - 4 Ports
F - Shield without tabs and boardlock	
N - No shield, no hold-down bracket	Light Pipe Options
S - Shield with straight PCB	0 - Blocked
	1 - With light pipe
Number of Contacts	2 - Without light pipe, not blocked

Mechanical Insertion Force:

Durability:

UL File #:

Recommended

Pull Retention Force:

Soldering Temperature:

Operating Temperature:

*Note: Light Pipes to be installed after soldering

Note: The light pipes are available to be purchased on their own. Part Number: RJSSE-2485-01

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



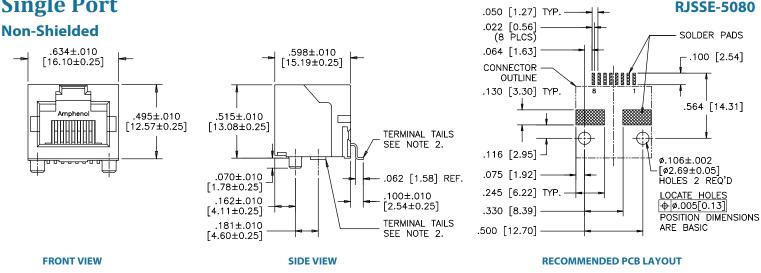




SURFACE MOUNT

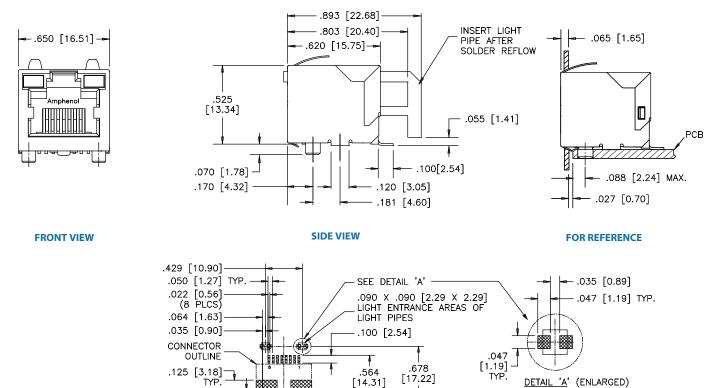
RJSSE TAB UP, WITH LIGHT PIPES

Single Port



Standard Shield - With Top & Side Ground Tabs

RJSSE-5381



DETAIL <u>'A</u>' (ENLARGED) SMT LED SOLDER PAG (SMT LED TO BE PROVIDED BY THE CUSTOMER)

RECOMMENDED PCB LAYOUT

-

⊕

TYP.

.118 [3.00] .075 [1.92]

.245 [6.22]

.330 [8.39 .500 [12.70] ¥

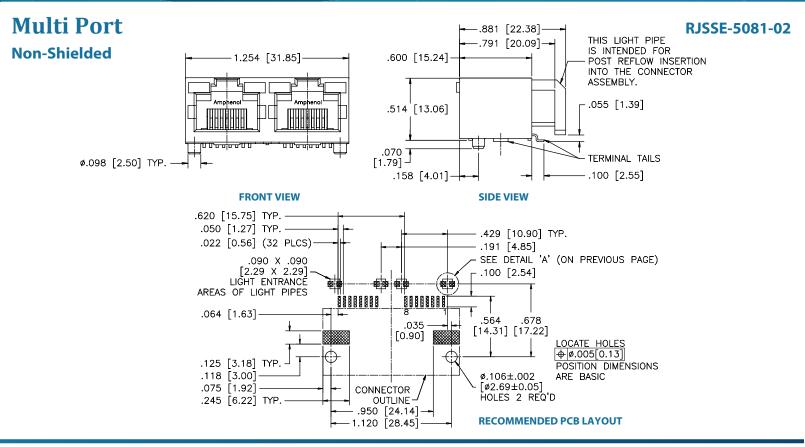
♦Ø.005[0.13] POSITION DIMENSIONS

LOCATE HOLES

ARE BASIC

ø.106±.002 [ø2.69±0.05] HOLES 2 REQ'D





Multi Port

r

Amphenol

1.270 [32.26]

ጡ

Amphenol

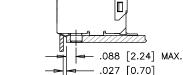
Shielded

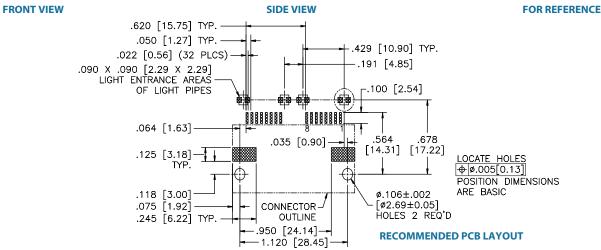
ſ

RJSSE-5381-02 THIS LIGHT PIPE IS .893 [22.68]-INTENDED FOR POST .065 [1.65] REFLOW INSERTION INTO THE CONNECTOR ASSEMBLY .055 [1.40]

TERMINAL TAILS

-.100 [2.54]





.620 [15.75]

.525 [13.34]

.060

[1.51]



TAB UP, STANDARD PROFILE, WITH LEDs

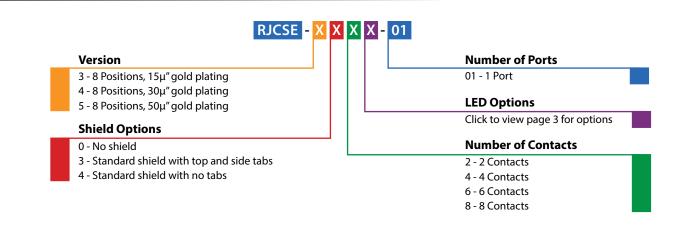
The RJCSE is a right angle surface mount connector. Shielding is available for increased EMI performance as well as built-in LEDs for link activity and network verification. This product is ideal for LAN applications such as adapter cards and routers.

SPECIFICATIONS

Material		
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black	
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail	
Shield:	Stainless steel with matte-tin plating	
Mechanical		
Insertion For	:e:	5 lbs max.
Pull Retention Force:		20 lbs min.
Durability:		750 mating & unmating cycles
Recommended Soldering Temperature:		Suitable for IR Reflow at 260°C for 10 secs max.
Operating Ter	mperature:	- 55°C to + 85°C
UL File #:		E135615
CSA File #:		LR685398

20 mΩ max.
500 $M\Omega$ min. at 500V DC for 2 mins max.
1.5 Amps per contact
125 Volts AC
1000 VAC, 60 Hz. 1 min.
20mA typical
1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 2mA (for bicolours)
5 Volts min.
0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)
Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA

ORDERING INFORMATION



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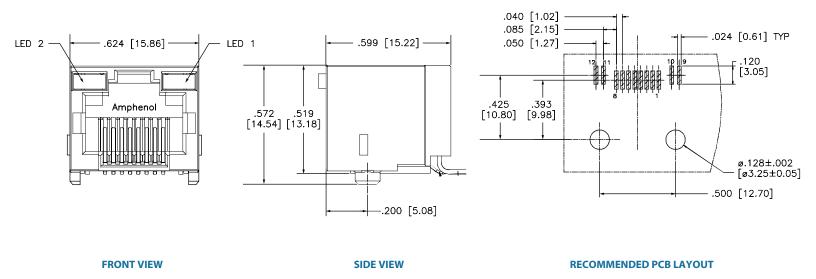


SURFACE MOUNT

RJCSE TAB UP, STANDARD PROFILE, WITH LEDS

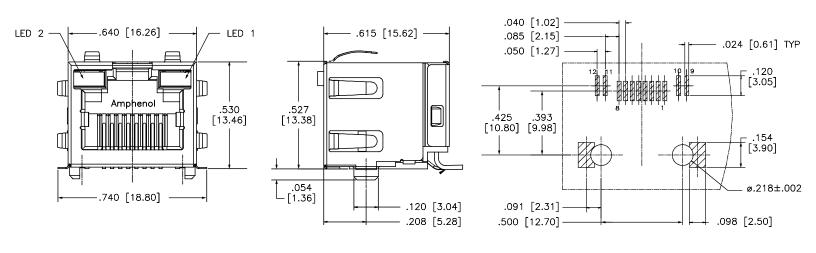
RJCSE-508X-01

Single Port Non-Shielded



Shielded

RJCSE-538X-01



FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT



TAB DOWN, ULTRA LOW PROFILE

The RJLSE series contains surface mount 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 connector and is available with different shielding, contacts, gold plating thickness, and color options. This connector is built with high temperature engineering thermoplastic and suitable for the IR Reflow solder process.



5 lbs max.

20 lbs min.

- 55°C to + 85°C

E135615

LR685398

-260°C max

-230°C

150

Time (sec)

4°C/s max

750 mating & unmating cycles

10s ma:

30~50s

200

Lead free reflow soldering up to 260°C

4°C/s max

250

300

for 10 secs max. 3 reflow passes max.

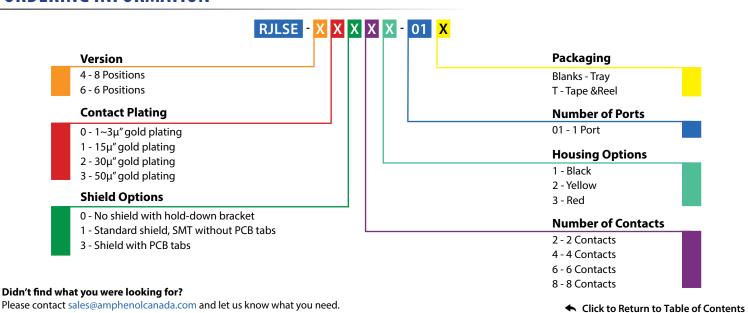
SPECIFICATIONS

Material	
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; Gold flash over palladium nickel also available; 100μ " min. matte tin plating on soldering tail
Shield:	Copper alloy; nickel or matte tin plated

*Note: Other insulator colour options available

Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.

ORDERING INFORMATION



Mechanical Insertion Force:

Durability:

UL File #:

CSA File #:

300-

250

200

150

100 -50 -- 25°C

0

Temperature (°C)

Recommended

Pull Retention Force:

Soldering Temperature:

Operating Temperature:

4°C/s max

50

*Note to recommended reflow profile below

150~180°C

60~120s

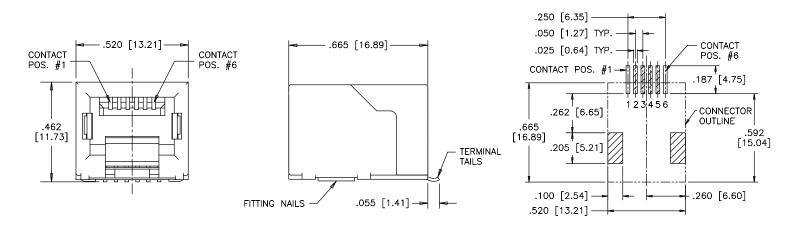
100

SURFACE MOUNT

RJLSE TAB DOWN, ULTRA LOW PROFILE

RJLSE-6X061-01

Single Port Non-Shielded



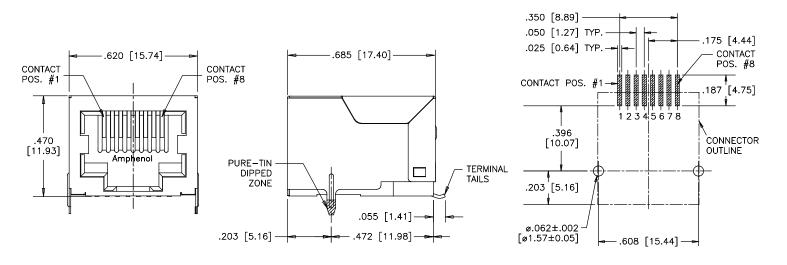
FRONT VIEW

Shielded

RECOMMENDED PCB LAYOUT

SIDE VIEW

RJLSE-4X381-01



FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT



TAB DOWN, SINGLE PORT

RJE07 products belong to a family of standard modular jacks designed to meet requirements for a variety of applications. Options within the FRJAE series offer low cost and effective EMC control within standard RJ11 & RJ45 connector footprints. EMC control is offered by a completely shielded connector and/or with the use of a high resistivity, high impedance ferrite filter. No board layout changes are required for its use. Simply replace the standard non-filtered connector for superior EMC performance.



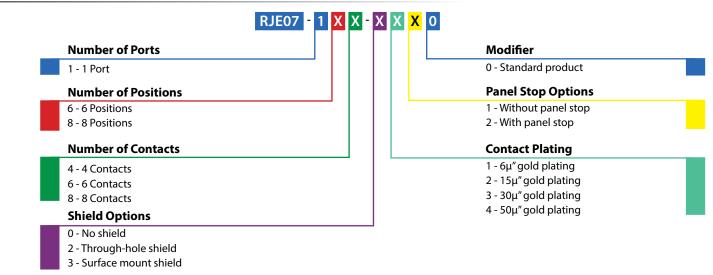
SPECIFICATIONS

Material		Mechanical	
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black	Insertion Force:	
~ · ·	, <i>,</i>	Pull Retention Force:	
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" min. nickel	Durability:	
	on contact mating area; Gold flash over palladium nickel also available; 100µ" min. matte tin plating on soldering tail	Recommended Soldering Temperature:	
Shield:	Copper alloy; nickel or matte tin plated	Operating Temperature:	

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Reflow soldering peaked at 260°C for 6 to 8 secs max
Operating Temperature:	- 40°C to + 85°C

Pla station!	
Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.

ORDERING INFORMATION



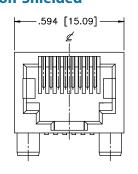
Didn't find what you were looking for?

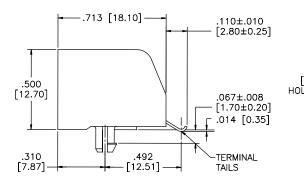
Please contact sales@amphenolcanada.com and let us know what you need.

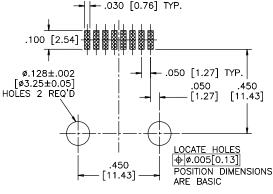


Single Port

RJE07-188-0X10



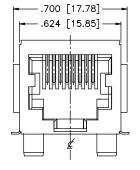


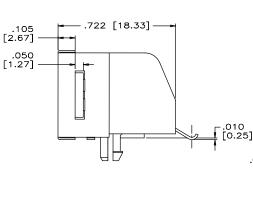


RECOMMENDED PCB LAYOUT

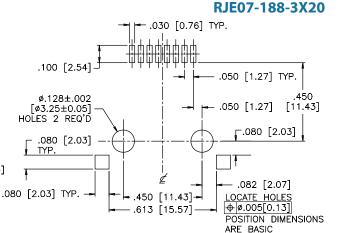
Surface Mount Shield

FRONT VIEW





SIDE VIEW



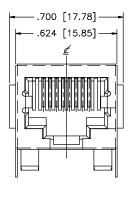
RECOMMENDED PCB LAYOUT

FRONT VIEW

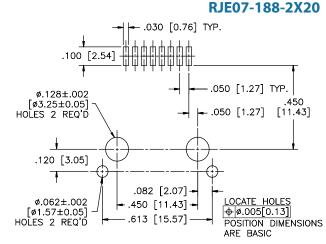
SIDE VIEW

.722 [18.34]

Through-Hole Shield



.105 [2.67] .122 [10.34] .004 [0.10] .120 [3.05] .322 [8.18]



FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT



TAB DOWN, SINGLE PORT, LOW PROFILE

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



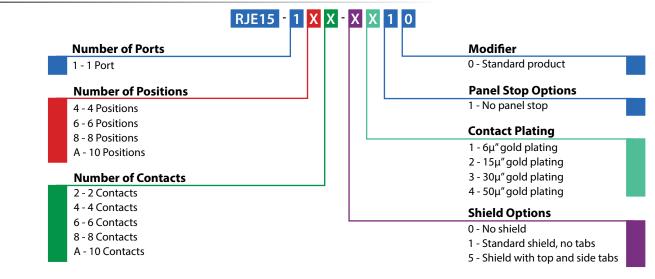
SPECIFICATIONS

Material	
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating or gold flash on tail area
Shield:	Copper alloy; nickel plating overall

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering at 260°C for 6 to 8 secs max
Operating Temperature:	- 40°C to + 70°C

Electrical	
Contact Resistance	25 mΩ max.
Insulation resistance:	1000 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.

ORDERING INFORMATION



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Notes

FF .063 [1.60] .200 [5.08] .320 [8.13] -

.450 [11.43] - .728 [18.50]

-.734 [18.65]-.4<mark>6</mark>3 [11.75] I W W

SIDE VIEW

SIDE VIEW

Shielded

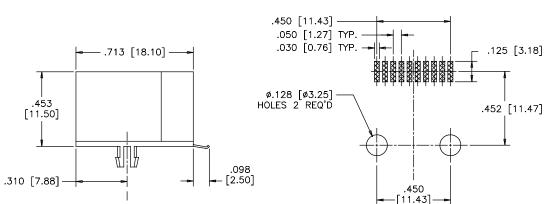
.579 [14.70]

RJE15-1AA-1X10

.125 [3.18]

.100 .572 [2.54] [14.52]

- .123 [3.12]



.450 [11.43] .050 [1.27] TYP. .030 [0.76] TYP.

Ø.128 [Ø3.25] HOLES 2 REQ'D

1 .120 [3.05]

1

.004

[0.10]

.098

[2.50]

Single Port Non-Shielded

— .592 [15.03] —

Amphenol

FRONT VIEW

- .620 [15.74] —

<u>|0000000000000</u>

FRONT VIEW



RJE15-1AA-0X10

RJE15 TAB DOWN, SINGLE PORT, LOW PROFILE

RECOMMENDED PCB LAYOUT

.450

-[11.43]-

-.644 [16.35]

RECOMMENDED PCB LAYOUT



PRESS FIT



TAB DOWN, RJ45

The RJE56 series is designed for applications where soldering is not an option. The press fit contacts and shield tabs have the "eye of the needle" design and provide good PCB retention as well as reliable electrical performance.

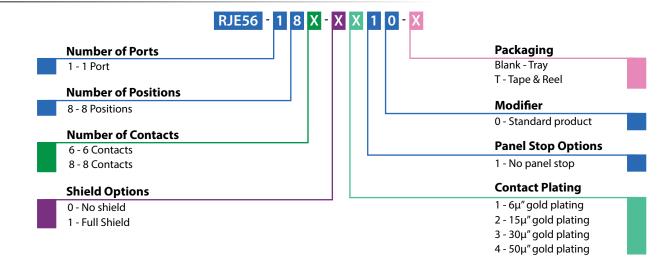


SPECIFICATIONS

Material				
Insulator:	PBT mat	PBT material; complies with UL 940-0; Black		
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on press fit tail			
Shield:	Stainles	Stainless steel		
Electrical				
Contact Resis	tance	20 mΩ max.		
Insulation res	istance:	500 $M\Omega$ min. at 500V DC for 2 mins max.		
Current Ratin	g:	1.5 Amps per contact		
Voltage Ratin	g:	125 Volts AC		
DWV:		1000 VAC, 60 Hz. 1 min.		

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 to 8 secs max
Operating Temperature:	- 55°C to + 85°C
* Note: Suitable for IR Reflow	

ORDERING INFORMATION



Didn't find what you were looking for?

49

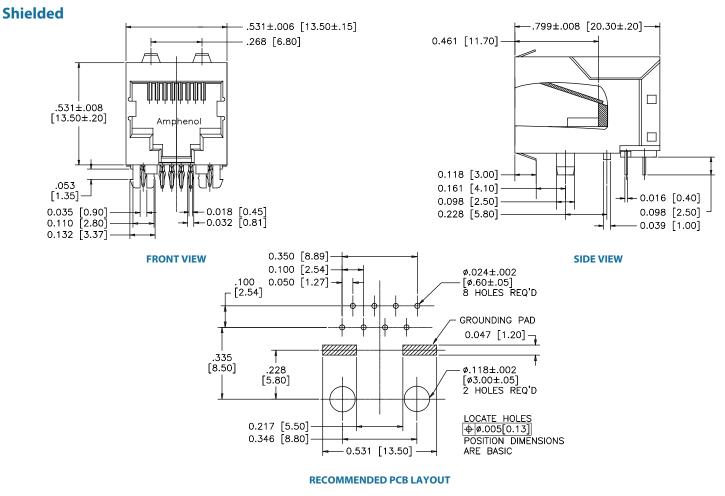
Please contact sales@amphenolcanada.com and let us know what you need.

PRESS FIT

RJE56-188-1X10



Single Port



Notes

RJE06 SINGLE PORT, SLIM PROFILE

SINGLE PORT, SLIM PROFILE

RJE06 series is a group of products within a family of standard modular jacks designed to meet requirements for a variety of applications. Options within the RJE06 family include shielded & non-shielded, and 8P8C configurations.



SPECIFICATIONS

Material		Mechanical		
Insulator:	0	ring theromplastic;	Insertion Force:	5 lbs max.
.	Complies with UL 94V-0; Black		Pull Retention Force:	20 lbs min.
Contacts: Phosphor bronze hard temper with gold thickness options (6μ , 15 μ , 30 μ , 50 μ) over 50 μ min. nickel on contact mating area; 100 μ min. matte tin or gold flash plating on tail area		Durability:	750 mating & unmating cycles	
		Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.	
Shield:	Copper alloy; nickel plating overall		Operating Temperature:	-40°C to + 70°C
			UL File #:	E136228
Electrical	1		*Note: Connectors with high	temp. material are suitable for IR Reflow
Contact Resistance 20 mΩ max.				
Insulation re	esistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.		
Current Rati	ing:	1.5 Amps per contact		

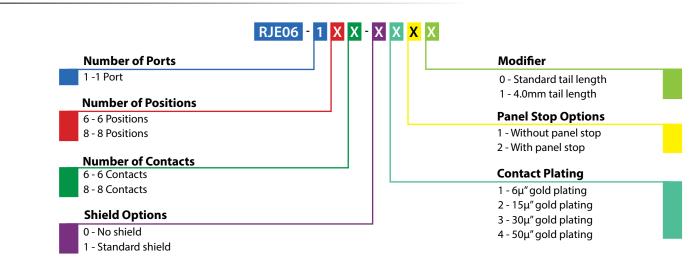
ORDERING INFORMATION

125 Volts AC

1000 VAC, 60 Hz. 1 min.

Voltage Rating:

DWV:



Didn't find what you were looking for?

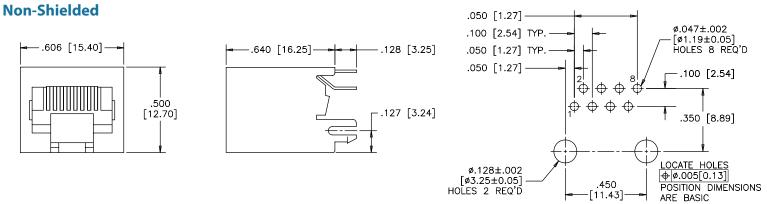
Please contact sales@amphenolcanada.com and let us know what you need.

THROUGH - HOLE

RJE06-188-0X10



Single Port



.128 [3.25]

.127 [3.24]

FRONT VIEW

.606 [15.40]-

.500

[12.70]

SIDE VIEW

.630 [16.00]

п

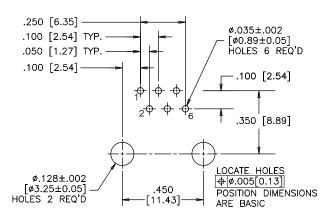
 ϵ

Non-Shielded

RJE06-166-0X10

RJE06-188-1X10

.085 [2.16]

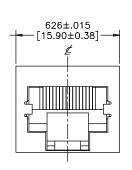


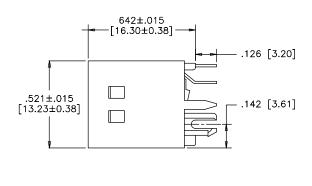
RECOMMENDED PCB LAYOUT

RECOMMENDED PCB LAYOUT

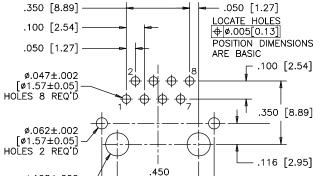
Standard Shield

FRONT VIEW





SIDE VIEW



FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT

[11.43]

.620 [15.75] -

ø.128±.002

[ø3.25±0.05] HOLES 2 REQ'D RJE08 SINGLE AND DUAL PORT, STANDARD PROFILE

SINGLE AND DUAL PORT, STANDARD PROFILE

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

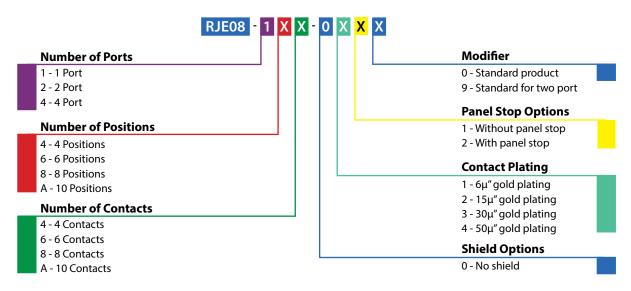
SPECIFICATIONS

Material			
Insulator:	Engineering theromplastic; Complies with UL 94V-0; Black		
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin or gold flash plating on tail area		
Electrical			
Liccultai			
Contact Resist	tance	20 mΩ max.	
		20 m Ω max. 500 M Ω min. at 500V DC for 2 mins max.	
Contact Resist	istance:		

vonage nating.	125 Volts / te
DWV:	1000 VAC, 60 Hz. 1 min.

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
Operating Temperature:	-40°C to + 70°C
UL File #:	E136228

ORDERING INFORMATION



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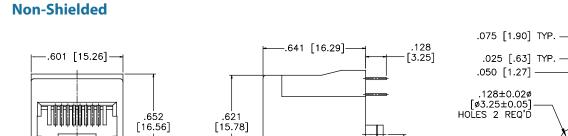


THROUGH - HOLE

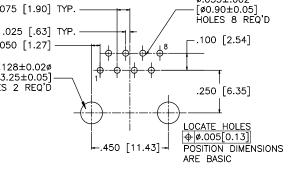
RJE08 SINGLE AND DUAL PORT, STANDARD PROFILE

RJE08-188-0X10

ø.035±.002



SIDE VIEW



RECOMMENDED PCB LAYOUT

POSITION DIMENSIONS

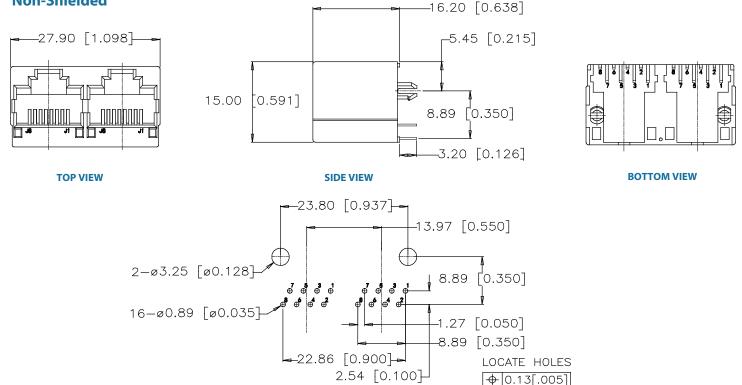
ARE BASIC

Dual Port

TOP VIEW

Single Port

RJE08-288-0X19



RECOMMENDED PCB LAYOUT

.250 [6.35]

Notes



SINGLE PORT, STANDARD PROFILE

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 hold-down nail bracket assist in speeding up the production process.

SPECIFICATIONS

Current Rating:

Voltage Rating:

DWV:

Material		
Insulator:	High temp. theromplastic; Complies with UL 94V-0; Black	
Contacts:	Phosphor bronze hard temper with 30µ" min. gold thickness over 50µ" min. nickel on contact mating area; 100µ" min. matte tin plating on soldering tail	
Shield:	Stainless steel; pure tin dipped tail	
Electrical		
Contact Resist	ance	20 mΩ max.
Insulation resi	ation resistance: 500 MΩ min. at 500V DC for 2 mins max.	

1.5 Amps per contact

1000 VAC, 60 Hz. 1 min.

125 Volts AC

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Peaked at 260°C for 5 secs max.
Operating Temperature:	-55°C to + 85°C
*Note: Suitable for IR Reflow	

ORDERING INFORMATION

	Packaging
	Blank - PBT, tray, without Mylar
	A - High temp housing, tray, without Mylar
	H - High temp housing, tape & reel with Myla
	Modifier
	0 - Standard product
	1 - With RMK4 keying
	Panel Stop Options
	1 - No panel stop
,	Contact Plating
	1 - 6μ" gold plating
	2 - 15µ" gold plating
	3 - 30μ" gold plating

Didn't find what you were looking for?

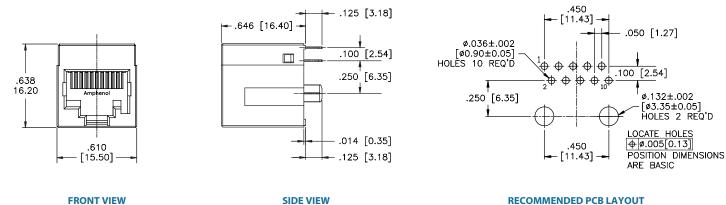
Please contact sales@amphenolcanada.com and let us know what you need.



RJE74 SINGLE PORT, STANDARD PROFILE

RJE74-1AA-0X10

Single Port Non-Shielded

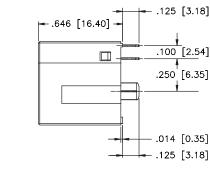


Non-Shielded with Keying

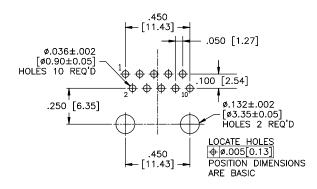
610

[15.50]

FRONT VIEW



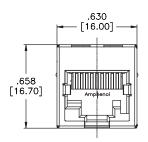




RECOMMENDED PCB LAYOUT

Shielded with Keying

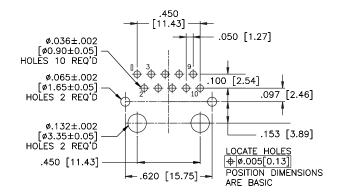
.638 16.20



-.644 [16.35] -.644 [16.35] -.644 [16.35] -.644 [16.35] -.125 [3.18] -.267 [6.78] -.125 [3.18] -.125 [3.94]

SIDE VIEW

RJE74-1AA-1X11



RECOMMENDED PCB LAYOUT

FRONT VIEW

SIDE VIEW

RJE88

SINGLE PORT, LOW PROFILE, WITH LEDs

SINGLE PORT, LOW PROFILE, WITH LEDs

Vertical through-hole (THT) in single port RJ45 configurations with full shield or superior EMI protection. A variety of LED options for link activity and network verification are available. Made with high temperature composite and when accompanied with our high temperature resistant LEDs, these connectors are well suited for the IR Reflow process.

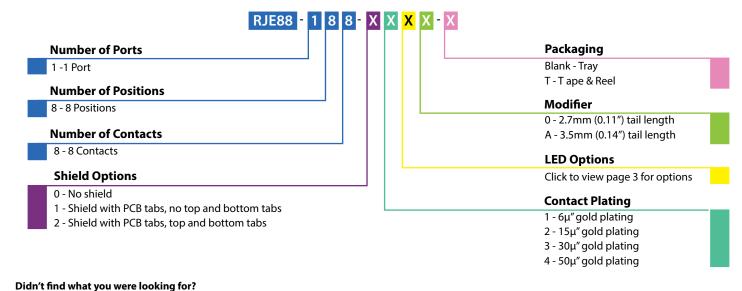


SPECIFICATIONS

Material				Electrical	
Insulator:	. .	theromplastic;		Contact Resistance	20 mΩ i
	•	ith UL 94V-0; Black		Insulation resistance:	500 MΩ
options (6) contact ma		ronze hard temper with gold thickness ", 15µ", 30µ", 50µ") over 50µ" min. nickel on ting area; 100µ" min. matte tin plating on		Current Rating:	1.5 Amp
				Voltage Rating:	125 Volt
	soldering ta			DWV:	1000 VA
hield:	Stainless ste	Stainless steel; pure tin dipped tail		LED Forward DC	20mA ty
LED:	Tin plating	Tin plating on LED tails		Current:	
				LED Forward Voltage:	1.9 Volt
Mechanica	al				2.6 Volt
nsertion For	ce:	5 lbs max.		LED Reverse Voltage:	5 Volts r
Pull Retentio	n Force:	20 lbs min.		LED Light Intensity:	0.4 to 1
Durability:		750 mating & unmating cycles			colours) 0.5 mcd
Recommend	ed	Wave soldering peaked at 260°C fo	or 5	LED Wave Length:	Yellow:
Soldering Tei	mperature:	secs max.			Green:
Operating Te	mperature:	-55°C to + 85°C			Red: 62
*Note: Connec	tors without Ll	EDs are suitable for IR Reflow			

Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 2mA (for bicolours)
LED Reverse Voltage:	5 Volts min.
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mAw

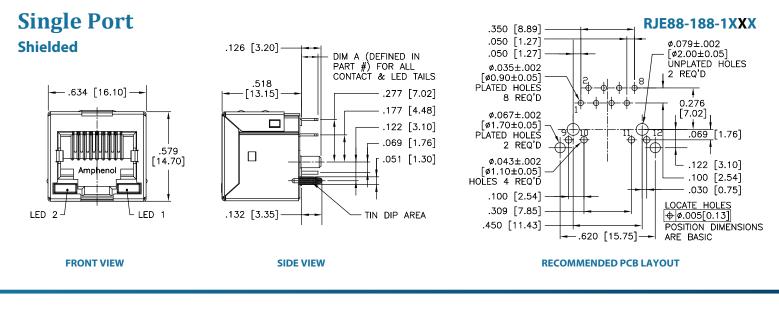
ORDERING INFORMATION



57

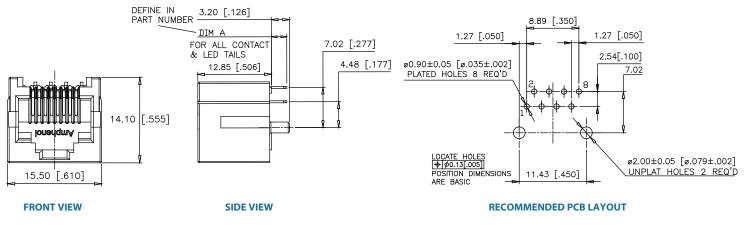
Please contact sales@amphenolcanada.com and let us know what you need.

RJE88 SINGLE PORT, LOW PROFILE, WITH LEDS



Non-Shielded

RJE88-188-0X0X



Notes



PORT, NARROW PROFILE

Multiple position and contact options, single port, vertical connector with no shield or LED options. Made with high temperature thermoplastic this series is suitable for the IR Reflow process. This series is ideal for high volume cost sensitive programs.

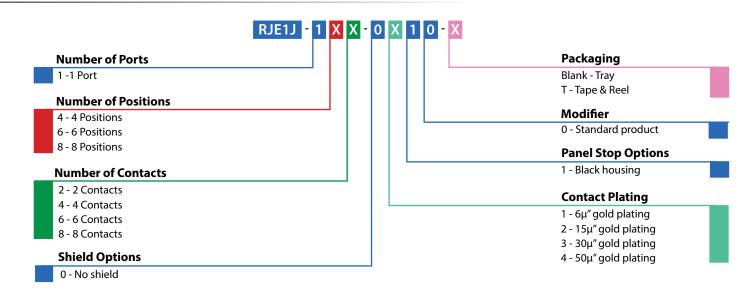
SPECIFICATIONS

Material	
Insulator:	High temp. theromplastic; Complies with UL 94V-0; Black
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on tail

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
Operating Temperature:	-55°C to + 85°C
*Note: Suitable for IR Reflow	

Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.

ORDERING INFORMATION



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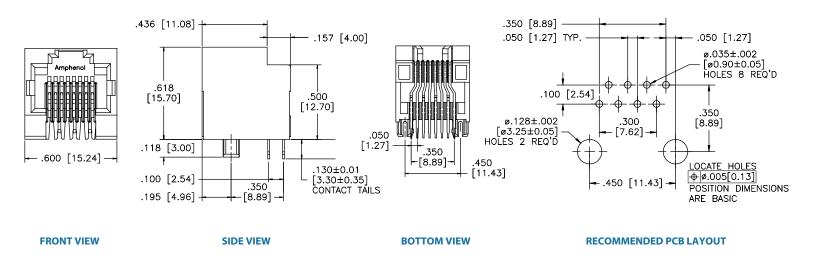


THROUGH - HOLE



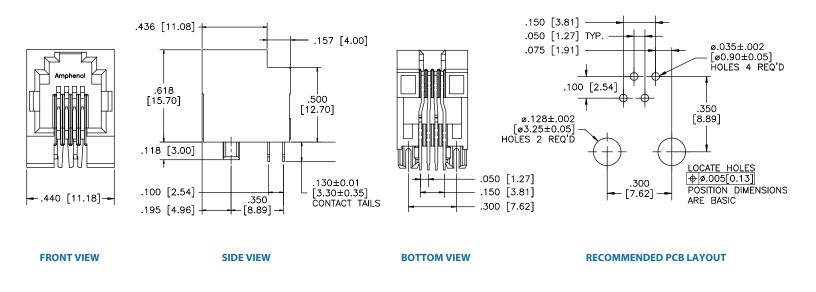
RJE1J-188-0X10

Single Port Non-Shielded



Non-Shielded

RJE1J-144-0X10





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 hold-down nail bracket assist in speeding up the production process.

SPECIFICATIONS

Material	
Insulator:	High temp. theromplastic; Complies with UL 94V-0; Black
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating over nickel on soldering tail
Shield:	Copper alloy; matte tin plating
Hold Down:	Copper alloy; matte tin plating
Coplanarity:	0.004" max. gap between all terminal tails

Mechanical

Insertion Force:	5 lbs max.	
Pull Retention Force:	20 lbs min.	
Durability:	750 mating & unmating cycles	
Operating Temperature:	-55°C to + 85°C	
*Note: Connector is suitable for IR Reflow		

ElectricalContact Resistance20 mΩ max.Insulation resistance:500 MΩ min. at 500V DC for 2 mins max.Current Rating:1.5 Amps per contactVoltage Rating:125 Volts ACDWV:1000 VAC, 60 Hz. 1 min.

ORDERING INFORMATION

Number of Ports			Packaging
1 -1 Port			Blank - Tray
Number of Positions			T - Tape & Reel
4 - 4 Positions			Modifier
6 - 6 Positions			3 - Standard with solderplate & kapton tape
8 - 8 Positions			4 - Standard with solderplate
			6 - Standard with solderplate inward
Number of Contacts			Housing/Panel Stop Options
4 - 4 Contacts			
6 - 6 Contacts			1 - Black housing without panel stop
8 - 8 Contacts			2 - Black housing with panel stop
Shield Options			Contact Plating
0 - No shield			1 - 6μ" gold plating
2 - Shield with no tabs			2 - 15µ" gold plating
3 - Shield with side tabs			3 - 30µ" gold plating
5 Shicia with side (abs			4 - 50µ" gold plating

Didn't find what you were looking for?

61

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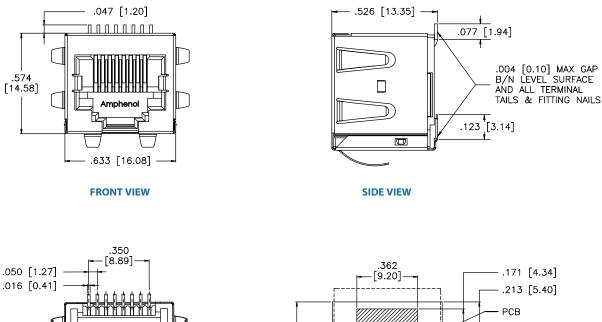


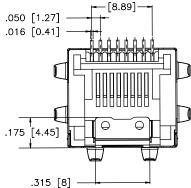
SURFACE MOUNT

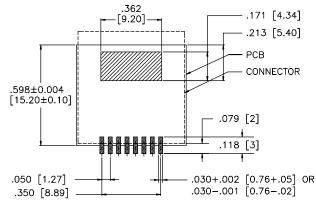


RJE23-188-3X16

Single Port





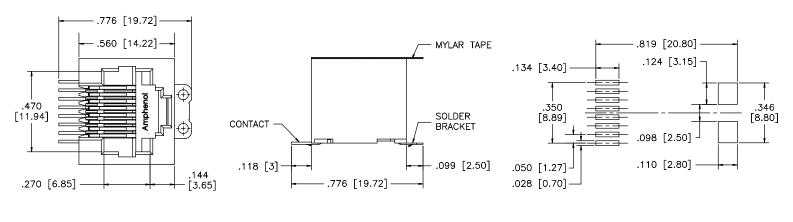


BOTTOM VIEW

RECOMMENDED PCB LAYOUT

Non-Shielded

RJE23-188-0X13



FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT

STACKED

RJE36

1 PORTS WITH LED AND SHIELD OPTIONS

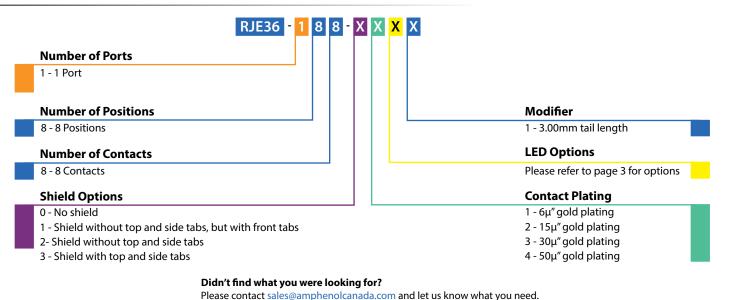
The RJSAE is a RJ45 stackable connector that reduces component and labor costs by incorporating LEDs. Its stackable feature enables more ports with the same board space. With superior EMI performance, the option of configuring your connector with a ferrite filter is available to further reduce crosstalk in noisy applications.

SPECIFICATIONS

Material				
Insulator:	5	Engineering thermoplastic; Complies with UL 94V-0; Black		
Contacts:	options (6 on contac	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on soldering tail		
Shield:	Copper all	Copper alloy plated with Nickel		
LED:	Tin plating	Tin plating on LED tails		
Mechanic	al			
Insertion Fo	rce:	5 lbs max.		
Pull Retentio	on Force:	20 lbs min.		
Durability:		750 mating & unmating cycles		
Recommend Soldering Te		Wave soldering peaked at 260°C for 5 secs max.		
Operating Te	emperature:	-20°C to + 85°C		
UL File #:		E136228		

Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	Contact to contact: 1000 VAC, 60 Hz. 1 min.
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.6 -2.4 Volts max. at 2mA (for single colours)
LED Reverse Voltage:	5 Volts min.
LED Light Intensity:	2 to 12 mcd min. at 20mA (for single colours)
LED Wave Length:	Yellow: 590 \pm 5 nm measured at 20mA Green: 570 \pm 5 nm measured at 20mA Red: 650 \pm 15 nm measured at 20mA

ORDERING INFORMATION



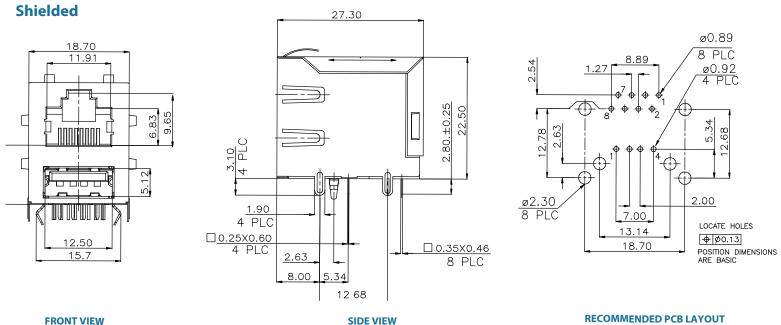


RJE36

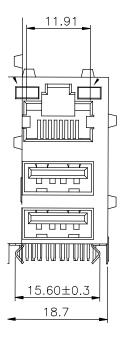
1 PORT WITH LED AND SHIELD OPTIONS

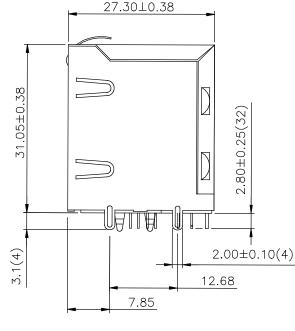
Single Port

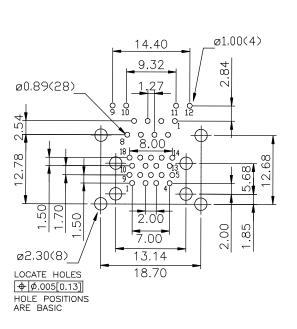
RJE36-188-2X03



Dual Port Shielded with LEDs







RJE36-188-3XX5

FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT

2, 4 AND 8 PORTS WITH LED AND SHIELD OPTIONS

2, 4 AND 8 PORTS WITH LED AND SHIELD OPTIONS

The RJSAE is a RJ45 stackable connector that reduces component and labor costs by incorporating LEDs. Its stackable feature enables more ports with the same board space. With superior EMI performance, the option of configuring your connector with a ferrite filter is available to further reduce crosstalk in noisy applications.

SPECIFICATIONS

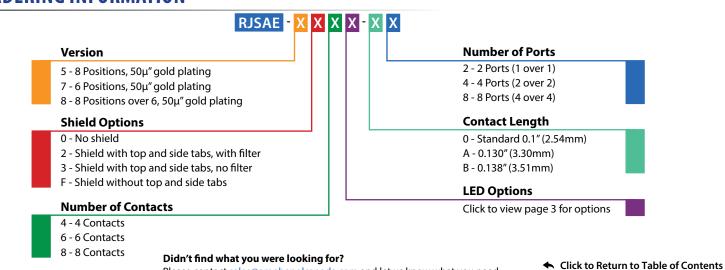
Material				
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black			
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on tail			
Shield:	Copper alloy; nickel plated or stainless steel with tin dripped tail (as specified in drawing)			
LED:	Tin plating on LED tail			
Mechanical				
Insertion Forc	e:	5 lbs max.		
Pull Retention	Force:	20 lbs min.		
Durability:		750 mating & unmating cycles		
Recommende Soldering Terr		Wave soldering peaked at 260°C for 5 secs max.		
Operating Ter	nperature:	-55°C to + 85°C		
UL File #:		E136228		
CSA File #:		150190		
*Note: Connectors without LEDs are suitable for IP Peflow:				

Electrical

Contact Resistance	20 mΩ max.		
Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.		
Current Rating:	1.5 Amps per contact		
Voltage Rating:	125 Volts AC		
DWV:	Contact to contact: 1000 VAC, 60 Hz. 1 min.		
LED Forward DC Current:	20mA typical		
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 2mA (for bicolours)		
LED Reverse Voltage:	5 Volts min.		
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)		
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA		

*Note: Connectors without LEDs are suitable for IR Reflow; Connectors with Reflow LEDs available

ORDERING INFORMATION





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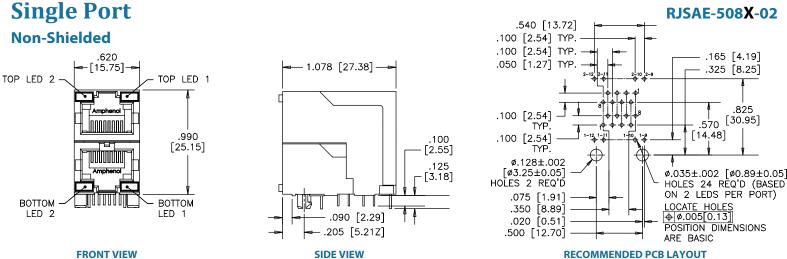
Please contact sales@amphenolcanada.com and let us know what you need.

STACKED

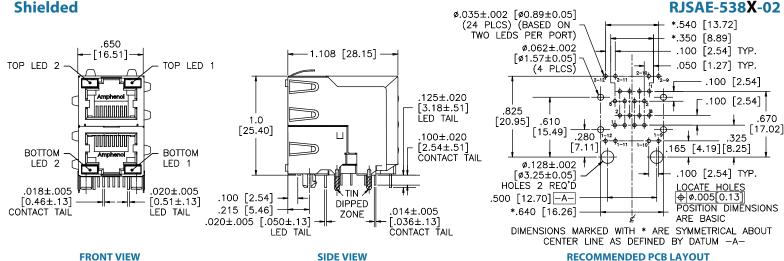
RJSAE

2, 4 AND 8 PORTS WITH LED AND SHIELD OPTIONS

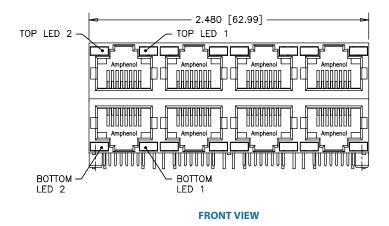
RJSAE-508X-02



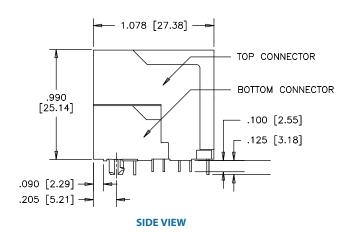
Shielded



Multi Port Non-Shielded



RJSAE-508X-08



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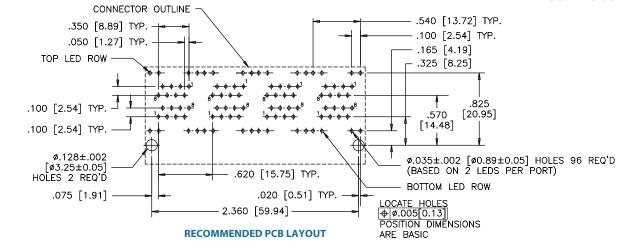
66



Multi Port

RJSAE-508X-08

RJSAE-538X-08



Shielded

2.510 [63.75] 1.108 [28.15] ---.062+.032 [1.57+0.81] OR .062-.016 [1.57-0.41] TOP LED 2 -LED 1 TOP CONNECTOR 7 BOTTOM CONNECTOR AAAAAA .100±.010 1.062 1.000 [2.54±.25] [26.97] [25.4] воттом 125±.010 LED 2 [3.18±.25] И .016±.004 **UUUUUUU** YUUUUUUU .122±.004 [3.1±0.10] [0.41±0.10] BOTTOM LED 1 TIN DIPPED ZONE .100 [2.54] .020±.002 [0.51±0.05] X .020±.002 [0.51±0.05] .054±.004 [1.37±0.10] .215 [5.46] - .018±.002 [0.46±0.05] X .0137±.002 [0.35±0.05] .121±.004 [3.07±0.10] .136±.004 [3.45±0.10] **FRONT VIEW SIDE VIEW** .620 [15.75] TYP. CONNECTOR OUTLINE .540 [13.72] TYP. 350 .050 [1.27] TYP. .100 [2.54] TYP. [8.89] .825 [20.95] TOP LED ROW ŤΥΡ. .610 [15.49] ₩-0-2-12 2-11 .570 [14.48] .325 [8.25] .100 [2.54] TYP. -.280 [7.11] (-<u>1</u>1 1-10 .100 [2.54] TYP. -.165 [4.19] Ø.062±.002 [Ø1.57±0.05] Ø.035±.002 [Ø0.89±0.05] HOLES 96 REQ'D (BASED ON 2 LEDS PER PORT) HOLES 4 REQ'D .620 [15.75] TYP. ø.128±.002 [ø3.25±0.05] BOTTOM LED ROW HOLES 2 REQ'D .075 [1.91] .020 [0.51] TYP. -LOCATE HOLES .070 [1.78] TYP. 2.360 [59.94] POSITION DIMENSIONS ARE BASIC - 2.500 [63.50]

RECOMMENDED PCB LAYOUT

67

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STACKED

4 OVER 4 PORTS WITH LED AND SHIELD OPTIONS

4 OVER 4 PORTS WITH LED AND SHIELD OPTIONS

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

SPECIFICATIONS

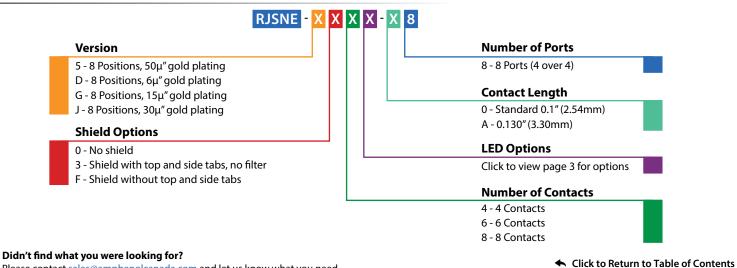
Material	
Insulator:	Engineering thermoplastic; Complies with UL 94V-0; Black
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on tail
Shield:	Copper alloy; nickel plated or stainless steel with tin dipped tail
LED:	Pure tin plating on LED tail

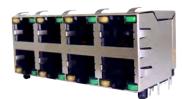
Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
Operating Temperature:	-40°C to + 85°C
UL File #:	E135615
CSA File #:	150190

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Lieuricai	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.5 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)
LED Reverse Voltage:	5 Volts min.
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA

ORDERING INFORMATION





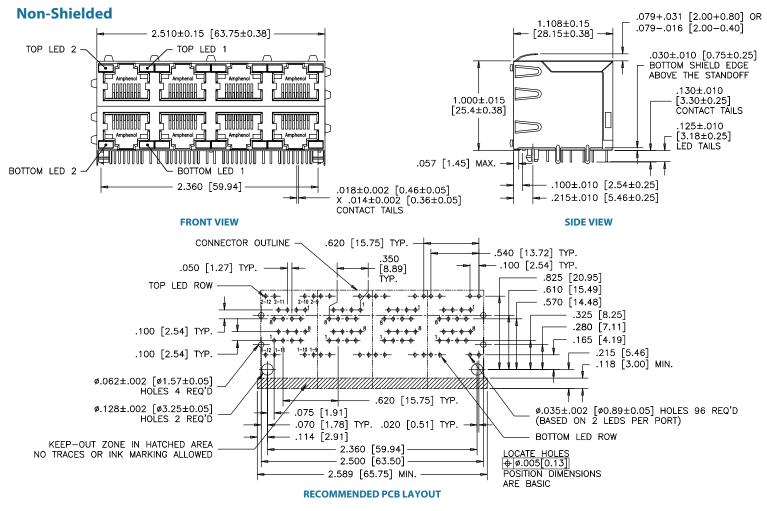
RJSNE

Electrical



Single Port

RJSNE-538X-X8



Notes

69

CAT 5e, RIGHT ANGLE, LOW PROFILE, WITH LEDS

RIGHT ANGLED, LOW PROFILE, WITH LEDs

The RJE48 series of modular jacks meet CAT 5e performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding is available for increased EMI performance and LEDs for link activity and network verification.

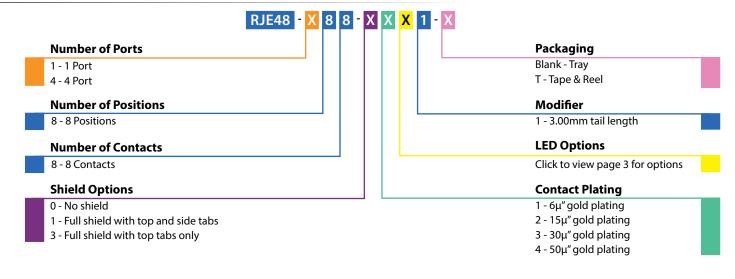
SPECIFICATIONS

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

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
Operating Temperature:	-55°C to + 85°C

Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.25 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)
LED Reverse Voltage:	5 Volts min.
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA

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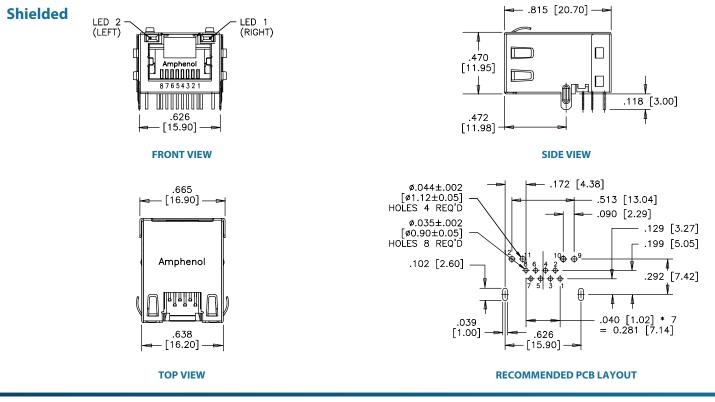
CAT 5e

RJE48 CAT 5e, RIGHT ANGLE, LOW PROFILE, WITH LEDS

Single Port

RJE48-188-1XX1

RJE48-488-1XX1



Multi Port

Shielded .563 [14.3] * 3 = 1.69 [42.9] -.815 [20.70] .039 LED 1 LED 2 (LEFT) [1.00] (RIGHT) Þ E 470 Amphenol Amphenol B [11.95] .118 [3.00] .472 [11.98] 2.28 [57.80] .592 [15.05]-TIN DIPPING **FRONT VIEW SIDE VIEW** ø.044±.002 [ø1.12±0.05] .153 [3.88] .563 [14.3] * 3 2.31 [58.80] HOLES 16 REQ'D .090 [2.29] TYP. = 1.69 [42.90] ø.035±.002 .090 [2.29] TYP. 153 [3.88] [ø0.90±0.05] HOLĖS 32 REQ'D ŧ. ⊕³² 30 28 26 ⊕ ⊕ ⊕ ⊕ ₿' ቆ .292 **₩₩₩₩ ΦΦΦΦ** 31 29 27 25 ∲ 6 13 **⊕ ⊕ ⊕ ⊕** 43 41 39 37 [7.42] Amphenol .121 [3.07] --1.13 [28.60] .218 [5.42] RIRIRI .102 [2.60] ø.098±.002 .199 [5.05] .513 [13.04] [ø2.50±0.05] .575 [14.60] HOLES 2 REQ'D .129 [3.27] .040 [1.02] * 7 = 0.281 [7.14] 2.29 [58.10] -.039 [1.00] - 2.28 [57.80] -**TOP VIEW RECOMMENDED PCB LAYOUT**

RJE58 CAT 5e, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

RIGHT ANGLED, STANDARD PROFILE, WITH LEDs

The RJE58 series of modular jacks meet CAT 5e performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding is available for increased EMI performance and LEDs for link activity and network speed verification.

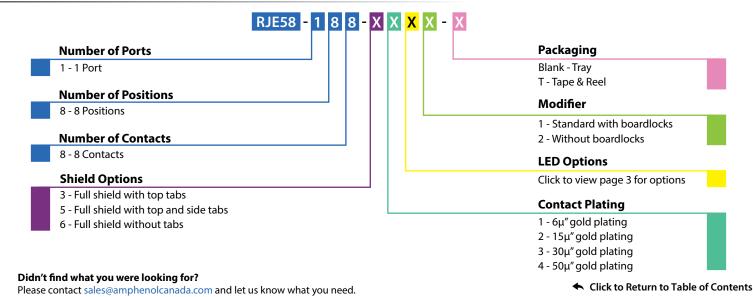
SPECIFICATIONS

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

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	IR Reflow peaked at 260°C for 5 secs max.
Operating Temperature:	-55°C to + 85°C

20 mΩ max.		
500 $M\Omega$ min. at 500V DC for 2 mins max.		
1.25 Amps per contact		
125 Volts AC		
1000 VAC, 60 Hz. 1 min.		
20mA typical		
1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)		
5 Volts min.		
0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)		
Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA		

ORDERING INFORMATION

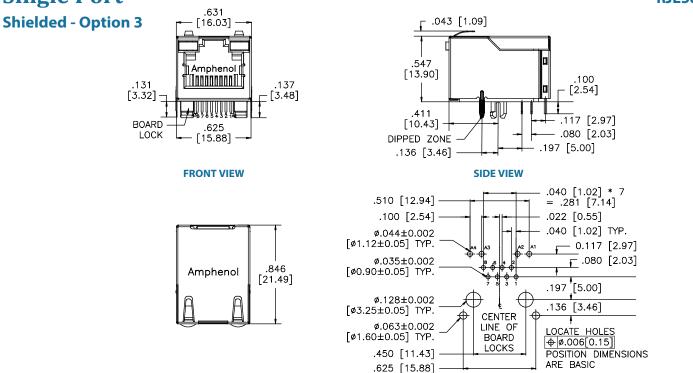


RJE58

CAT 5e, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

Single Port

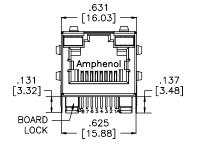
RJE58-188-3XX1



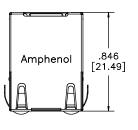
TOP VIEW

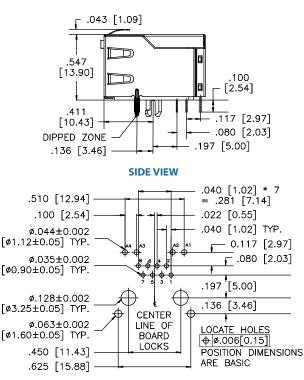
RECOMMENDED PCB LAYOUT

Shielded - Option 5



FRONT VIEW





TOP VIEW

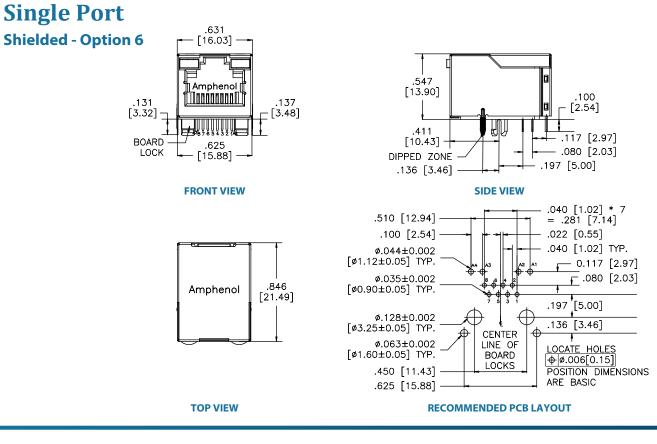
RECOMMENDED PCB LAYOUT

RJE58-188-5XX1

RJE58

CAT 5e, RIGHT ANGLE, STANDARD PROFILE, WITH LEDs

RJE58-188-6XX1



Notes

RJE72 CAT 5e, RIGHT ANGLE, RECESSED, LOW PROFILE WITH LEDs

RIGHT ANGLE, RECESSED, LOW PROFILE WITH LEDs

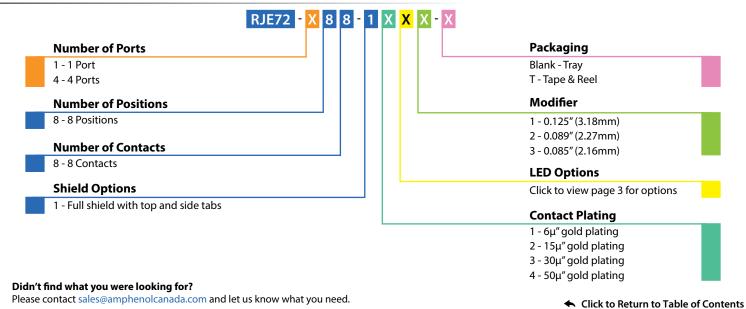
The RJE72 series of modular jacks meet CAT 5e performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material			Electrical	
Insulator:	High temp. thermoplastic;		Contact Resistance	20 mΩ max.
-		ith UL 94V-0; Black	Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.
-		ronze hard temper with gold thickness ", 15μ", 30μ", 50μ") over 50μ" min. nickel on	Current Rating:	1.25 Amps per contact
		ing area; 100μ″ min. matte tin plating on	Voltage Rating:	125 Volts AC
	solder tails		DWV:	1000 VAC, 60 Hz. 1 min.
Shield:	Stainless steel with tin dipped tails		LED Forward DC	20mA typical
LED:	Tin plating on LED tail		Current:	
Mechanical		LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)	
Insertion Force:		5 lbs max.	LED Reverse Voltage:	5 Volts min.
Pull Retention	n Force:	20 lbs min.	LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single
Durability:		750 mating & unmating cycles		colours) 0.5 mcd min. at 2mA (for bicolours)
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max.	LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA
Operating Ter	mperature:	-55°C to + 85°C		Red: 625 \pm 5 nm measured at 20mA
UL file #:		E135615		

*Note: IR Reflow compatible; Consult factory for details

ORDERING INFORMATION

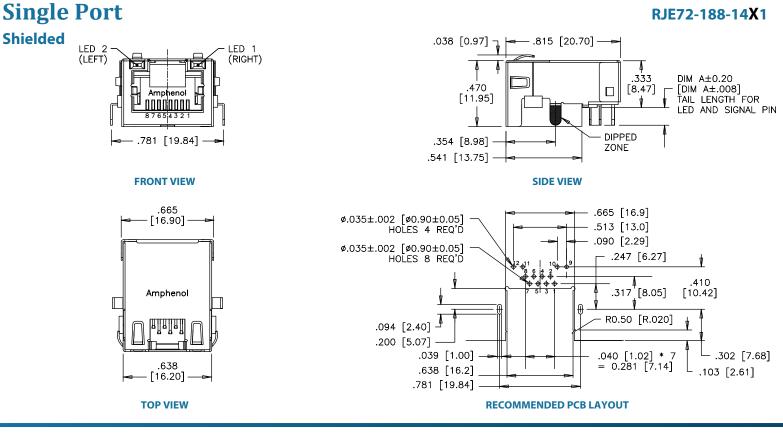


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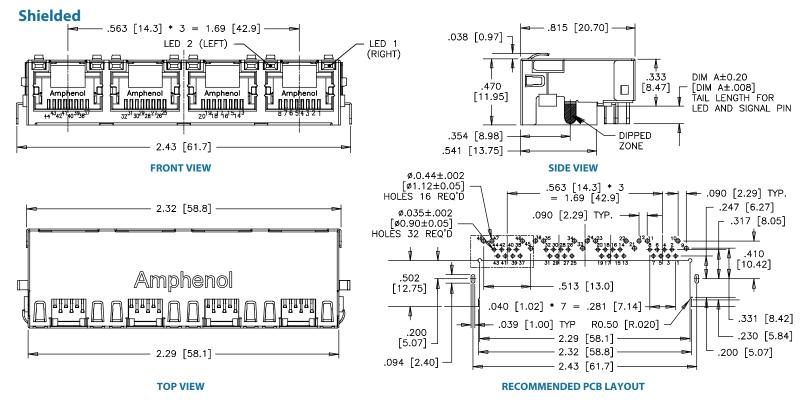
RJE72 CAT 5e, RIGHT ANGLE, RECESSED, LOW PROFILE WITH LEDS

RJE72-188-14X1



Multi Port

RJE72-488-14X1



CAT 5e

RJSGE

CAT 5e, 2 OVER 2 PORTS, PRESS FIT, WITH LEDs

2 OVER 2 PORTS, PRESS FIT, WITH LEDs

The RJSGE series of modular jacks meet CAT 5e 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

Mechanical Insertion Force:

Durability:

Recommended

Pull Retention Force:

Soldering Temperature:

Operating Temperature:

Material	
Insulator:	Engineering thermoplastic; Complies with UL 94V-0; Black
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on solder tails
Shield:	Stainless steal with press-fit tails
LED:	Press-fit with tin plating on LED tails

5 lbs max.

20 lbs min.

secs max.

-55°C to + 85°C

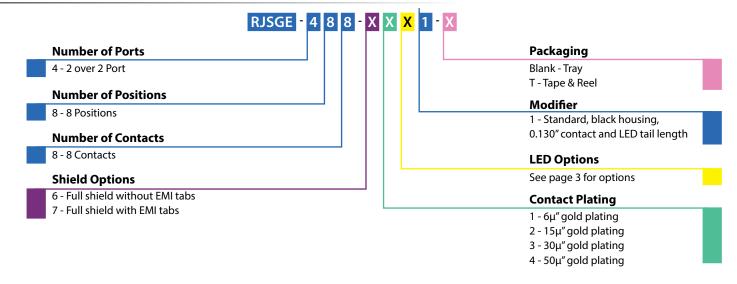
750 mating & unmating cycles

Wave soldering peaked at 260°C for 5

Electrical			
Contact Resistance	20 mΩ max.		
Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.		
Current Rating:	1.25 Amps per contact		
Voltage Rating:	125 Volts AC		
DWV:	1000 VAC, 60 Hz. 1 min.		
LED Forward DC Current:	20mA typical		
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)		
LED Reverse Voltage:	5 Volts max.		
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)		
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 570 \pm 5 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA		

*Note: IR Reflow compatible; Consult factory for details

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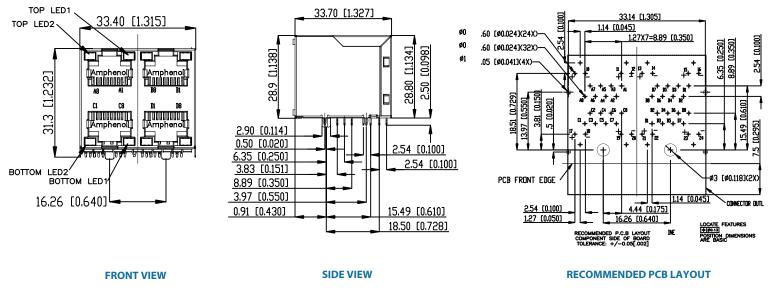




CAT 5e, 2 OVER 2 PORTS, PRESS FIT, WITH LEDS

RJSGE-488-6XX1

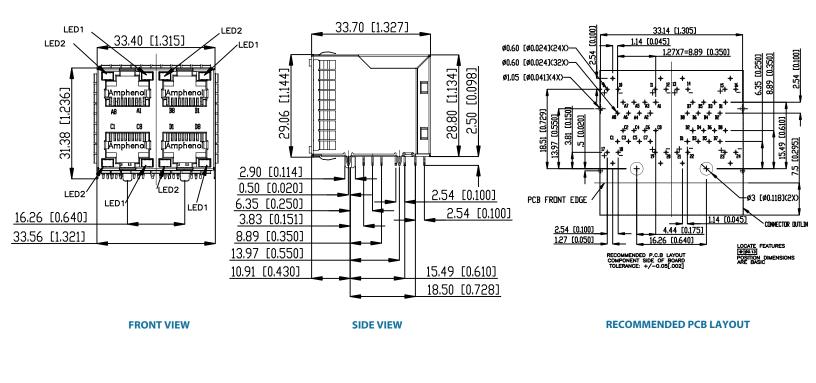
Four Port Shielded - with no EMI Tabs



Measurements: mm [Inches]

RJSGE-488-7XX1

Shielded - with EMI Tabs



Measurements: mm [Inches]

RJE45 CAT 6, SINGLE PORT, LOW PROFILE, WITH LEDS

SINGLE PORT, LOW PROFILE, WITH LEDs

The RJE45 series of modular jacks meet CAT 6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols and 10 Gig links in applications up to 50m. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material					
Insulator:	5 1	High temp. thermoplastic; Complies with UL 94V-0; Black			
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on solder tails				
Shield:	Stainless st	Stainless steel with tin dipped tails			
LED:	Tin plating on LED tail				
Mechanical					
Insertion Force:		5 lbs max.			
Pull Retention Force:		20 lbs min.			
Durability:		750 mating & unmating cycles			
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max. or lead free reflow soldering up to 260°C for 10 secs for one cycle with an LED defect rate of no more than 1000ppm			
Operating Temperature:		-55°C to + 85°C			

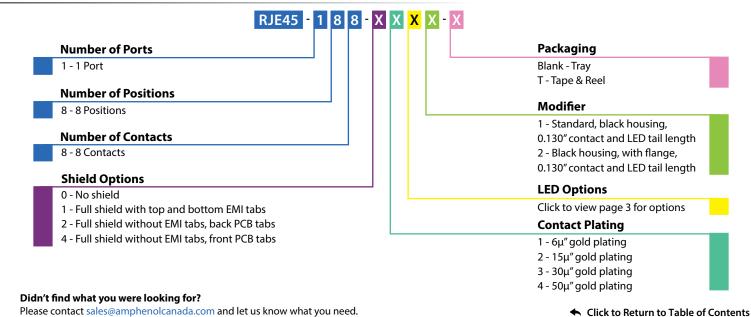
Electrical

Electrical				
Contact Resistance	20 mΩ max.			
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.			
Current Rating:	1.25 Amps per contact			
Voltage Rating:	125 Volts AC			
DWV:	1000 VAC, 60 Hz. 1 min.			
LED Forward DC Current:	20mA typical			
LED Forward Voltage:	1.9 Volts max. at 2mA			
LED Reverse Voltage:	5 Volts min.			
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA			
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA			

*Note: Multiple exposures not recommended

ORDERING INFORMATION

79





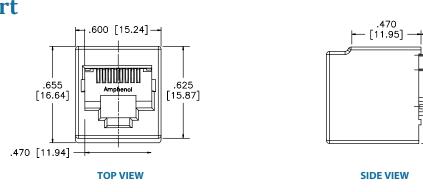


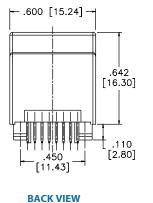
R. F CAT 6, SINGLE PORT, LOW PROFILE, WITH LEDs

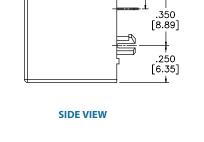
> .130 [3.30] .100 [2.54]

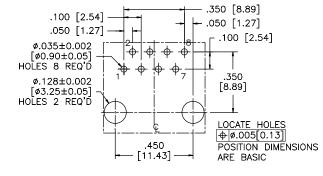
RJE45-188-0X01

Single Port Non-Shielded



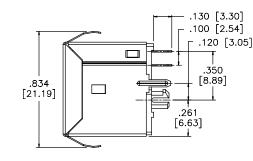




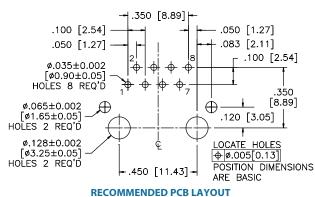


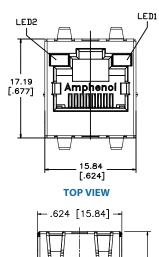
RECOMMENDED PCB LAYOUT

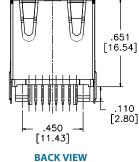
Shielded



SIDE VIEW







RJE45-188-1XX1

CAT 6

RJE49 CAT 6, RIGHT ANGLE, LOW PROFILE, WITH LEDS

RIGHT ANGLE, LOW PROFILE, WITH LEDs

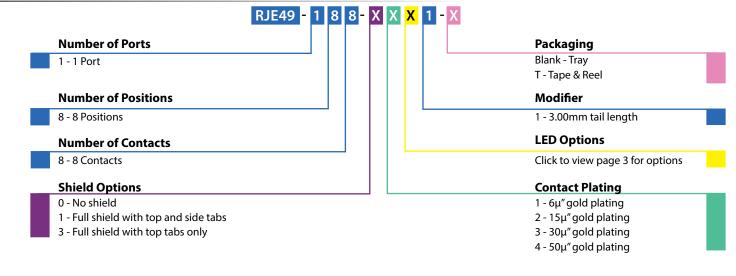
The RJE49 series of modular jacks meet CAT 6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding is available for increased EMI performance and LEDs for link activity and network verification.

SPECIFICATIONS

Material					
Insulator:	5 1	High temp. thermoplastic; Complies with UL 94V-0; Black			
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on solder tails				
Shield:	Stainless steel with tin dipped tails				
LED:	Tin plating on LED tail				
Mechanical					
Insertion Forc	e:	5 lbs max.			
Pull Retention Force:		20 lbs min.			
Durability:		750 mating & unmating cycles			
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max.			
Operating Temperature:		-55°C to + 85°C			

Electrical	
Contact Resistance	20 mΩ max.
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.
Current Rating:	1.25 Amps per contact
Voltage Rating:	125 Volts AC
DWV:	1000 VAC, 60 Hz. 1 min.
LED Forward DC Current:	20mA typical
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)
LED Reverse Voltage:	5 Volts min.
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA

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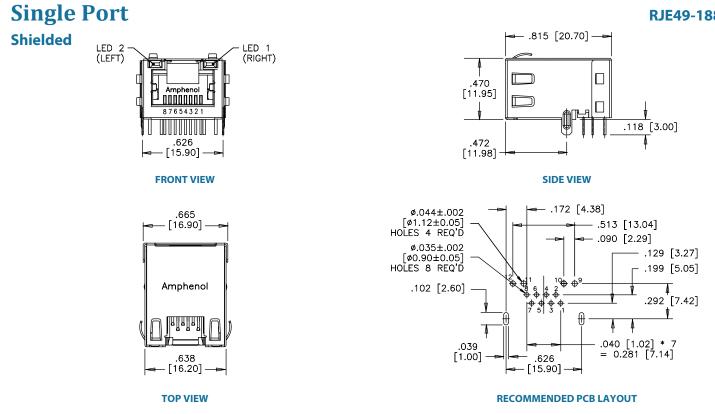


R.JE/

CAT 6, RIGHT ANGLE, LOW PROFILE, WITH LEDS

RJE49-188-1XX1

CAT 6



Notes

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RIGHT ANGLE, STANDARD PROFILE, WITH LEDs

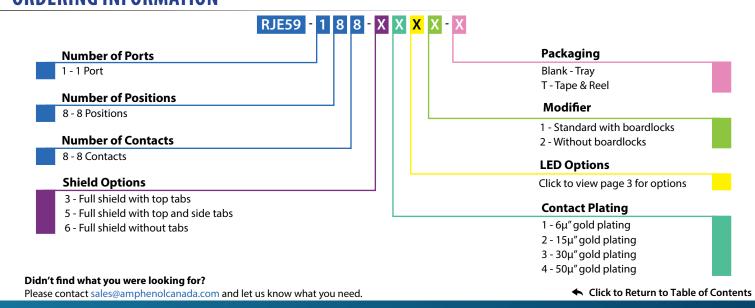
The RJE59 series of modular jacks meet CAT 6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding is available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material			Electrical	
Insulator: High temp. thermoplastic;		•	Contact Resistance	20 mΩ max.
	•	ith UL 94V-0; Black	Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.
Contacts:		ronze hard temper with gold thickness ", 15μ", 30μ", 50μ") over 50μ" min. nickel on	Current Rating:	1.25 Amps per contact
	contact mat solder tails	ing area; 100 μ'' min. matte tin plating on	Voltage Rating:	125 Volts AC
			DWV:	1000 VAC, 60 Hz. 1 min.
Shield:	Stainless steel with tin dipped tails		LED Forward DC	20mA typical
LED:	LED: Tin plating on LED tail		Current:	
Mechanica	Mechanical		LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)
Insertion For	ce:	5 lbs max.	LED Reverse Voltage:	5 Volts min.
Pull Retentio	n Force:	20 lbs min.	nin. LED Light Intensity:	
Durability:		750 mating & unmating cycles		colours) 0.5 mcd min. at 2mA (for bicolours)
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 10 secs max. for one cycle with an LED defect rate of no more than 100ppm	LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA
Operating Te	Operating Temperature: -55°C to + 85°C			
× 1 - + +				

*Note: multiple exposures not recommended; IR Reflow compatible version also available; Consult factory for details

ORDERING INFORMATION

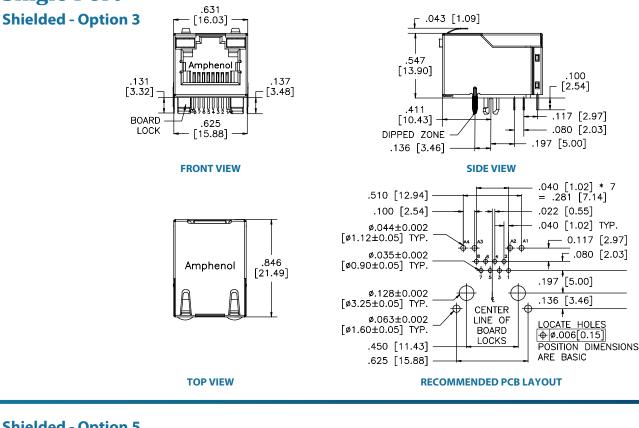




R

CAT 6, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

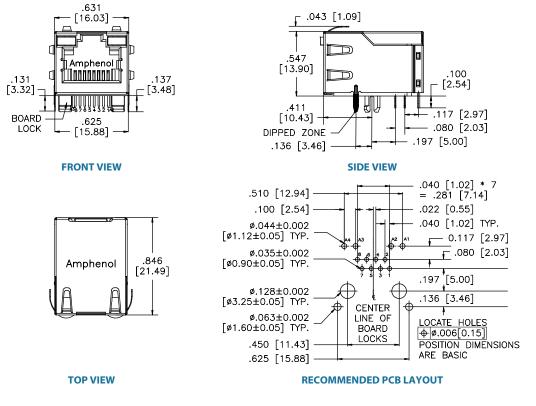
RJE59-188-3XX1



Shielded - Option 5

Single Port

RJE59-188-5XX1



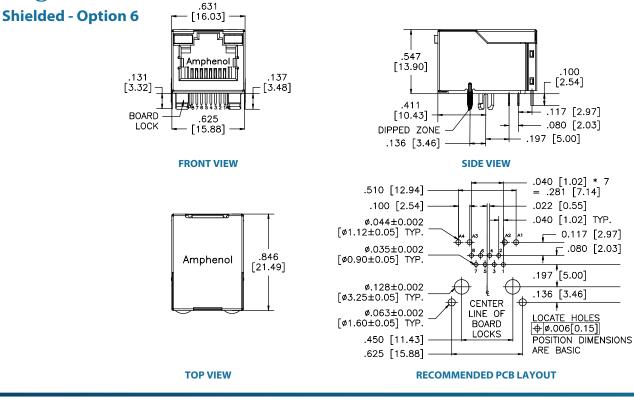
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CAT 6



Single Port

RJE59-188-6XX1



Notes

RJE71

CAT 6, RIGHT ANGLE, RECESSED, LOW PROFILE, WITH LEDS

RIGHT ANGLED, RECESSED, LOW PROFILE, WITH LEDs

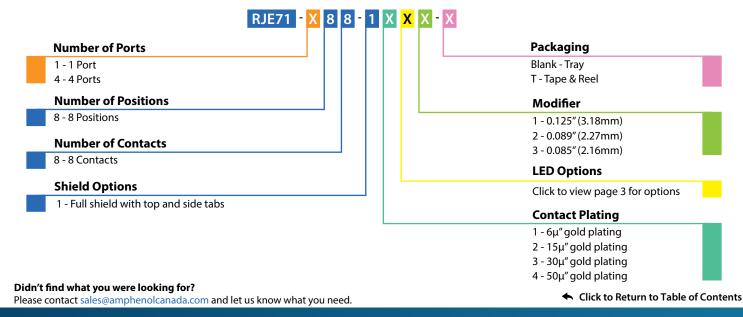
The RJE71 series of modular jacks meet CAT 6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material			E	Electrical		
Insulator:	- · J · · · · · · · · · · · · · · · · ·		C	Contact Resistance	20 mΩ max.	
	·	ith UL 94V-0; Black		nsulation resistance:	500 M Ω min. at 500V DC for 2 mins max.	
Contacts:	•	Phosphor bronze hard temper with gold thickness options (6μ , 15μ , 30μ , 50μ) over 50μ min. nickel on contact mating area; 100μ min. matte tin plating on solder tails		Current Rating:	1.25 Amps per contact	
				/oltage Rating:	125 Volts AC	
				OWV:	1000 VAC, 60 Hz. 1 min.	
Shield: LED:		Stainless steel with tin dipped tails Tin plating on LED tail		ED Forward DC Current:	20mA typical	
Mechani	Mechanical		L	ED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)	
Insertion Force:		5 lbs max.		ED Reverse Voltage:	5 Volts min.	
Pull Retent	ion Force:	20 lbs min.		LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single	
Durability:		750 mating & unmating cycles	& unmating cycles		colours) 0.5 mcd min. at 2mA (for bicolours)	
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max.		.ED Wave .ength:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA	
Operating	lemperature:	-55℃ to + 85℃			Red: 625 \pm 5 nm measured at 20mA	
UL File:		E135615				
**** 10.0 (

*Note: IR Reflow compatible version also available; Consult factory for details

ORDERING INFORMATION



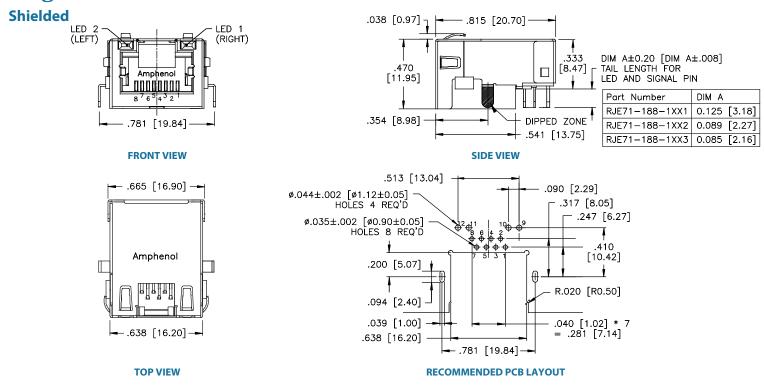


CAT 6, RIGHT ANGLE, RECESSED, LOW PROFILE, WITH LEDS

Single Port

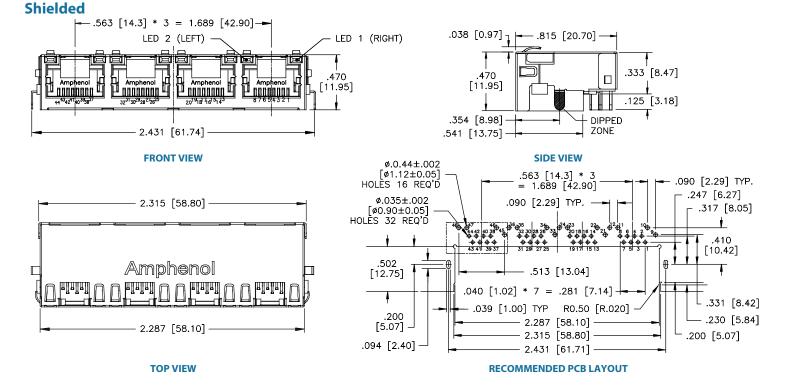
RJE71

RJE71-188-1XXX



Multi Port

RJE71-488-1XX1



CAT 5e/CAT 6

CAT 5e/CAT 6, 1 OVER 1 PORT WITH LEDS

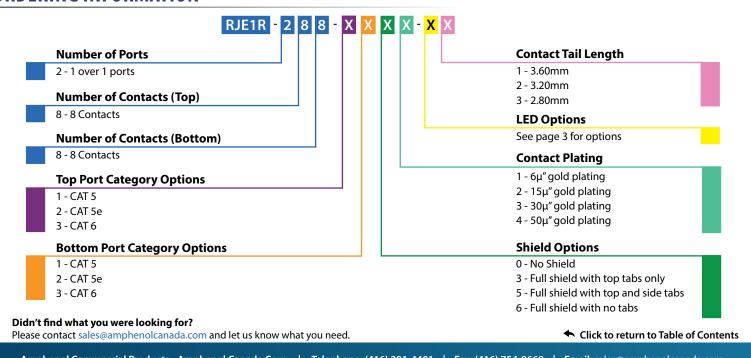
CAT 5e, CAT 6, 1 OVER 1 PORT WITH LEDs

The RJE1R series is a unique 2x1 stacked connector. Two 8P8C ports with the option to choose from three different performances levels for each individual port: Cat5 equivalent, Cat5e, or Cat6. Each port will meet their designated performance as per EIA-568-C.2. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material			Electrical		
Insulator:		thermoplastic;	Contact Resistance	20 mΩ max.	
	Complies w	ith UL 94V-0; Black	Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.	
Contacts:		ronze hard temper with gold thickness ", 15µ", 30µ", 50µ") over 50µ" min. nickel on	Current Rating:	1.25 Amps per contact	
		ting area; $100\mu''$ min. matte tin plating on	Voltage Rating:	125 Volts AC	
solder tails			DWV:	1000 VAC, 60 Hz. 1 min.	
Shield:	Stainless ste	eel with tin dipped tails	LED Forward DC	20mA typical	
LED:	Tin plating	on LED tails	Current:		
Mechanical		LED Forward Voltage	 1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours) 		
Insertion Force:		5 lbs max.	LED Reverse Voltage:	5 Volts min.	
Pull Retention Force:		20 lbs min.	LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)	
Durability:		750 mating & unmating cycles			
Recommended Soldering Temperature:		IR reflow peaked at 260°C for 5 to 8 secs.	LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA	
Operating Temperature:		-55°C to + 85°C		Red: 625 \pm 5 nm measured at 20mA	
			*Note: IR Reflow is not re	*Note: IR Reflow is not recommended for connectors with LEDs	

ORDERING INFORMATION

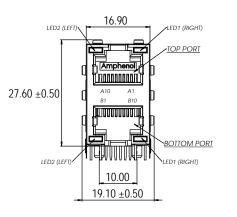




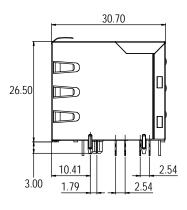
One Over One Port

RJE1R-288-XX3X-XX

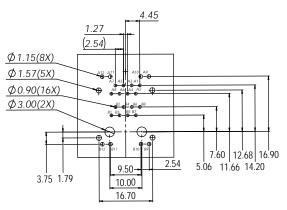
Shielded



FRONT VIEW



SIDE VIEW



RECOMMENDED PCB LAYOUT

Measurements: mm

Notes

CAT 6A, SINGLE PORT, LOW PROFILE, WITH LEDs

VERTICAL, LOW PROFILE, WITH LEDs

The RJE4A series of modular jacks meet CAT 6A 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.

Floctrical

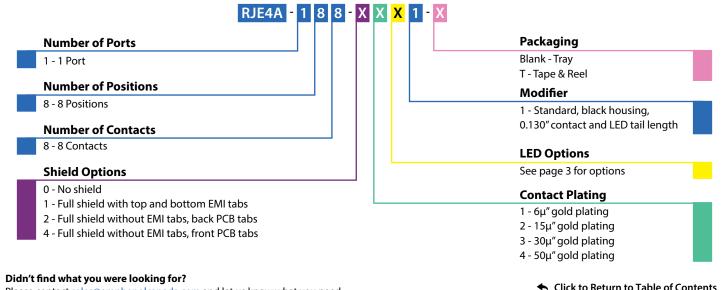
SPECIFICATIONS

Material				
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black			
Contacts:Phosphor bronze hard temper with gold thickness options (6μ", 15μ", 30μ", 50μ") over 50μ" min. nickel contact mating area; 100μ" min. matte tin plating o solder tails				
Shield:	Stainless steel with tin dipped tails			
LED:	Tin plating on LED tail			
Mechanical				
Insertion Force:		5 lbs max.		
Pull Retention Force:		20 lbs min.		
Durability:		750 mating & unmating cycles		
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max. or lead free reflow soldering up to 260°C for 10 secs for one cycle with an LED defect rate of no more than 1000ppm		
Operating Temperature:		-55°C to + 85°C		

Electrical			
Contact Resistance	20 mΩ max.		
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.		
Current Rating:	1.25 Amps per contact		
Voltage Rating:	125 Volts AC		
DWV:	1000 VAC, 60 Hz. 1 min.		
LED Forward DC Current:	20mA typical		
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)		
LED Reverse Voltage:	5 Volts min.		
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)		
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA		

*Note: Multiple exposures not recommended

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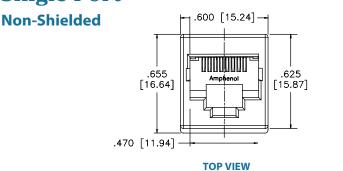
CAT 6A

RJE4A

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RJE4A CAT 6A, SINGLE PORT, LOW PROFILE, WITH LEDS

Single Port



🛏 .600 [15.24] 🛶

|| | | |||| | | |

010 U

.450

[11.43]

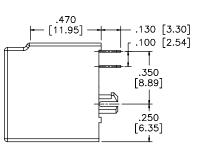
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BACK VIEW

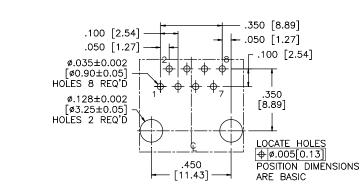
.642 [16.30]

.110

[2.80]

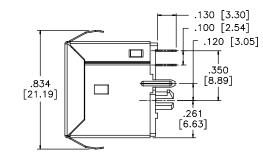


SIDE VIEW

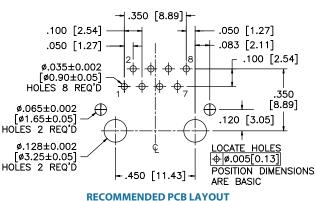


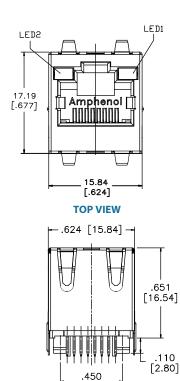
RECOMMENDED PCB LAYOUT

Shielded



SIDE VIEW





BACK VIEW

[11.43]

RJE4A-188-XXX1

RJE4A-188-0X01

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RIGHT ANGLED, STANDARD PROFILE, WITH LEDs

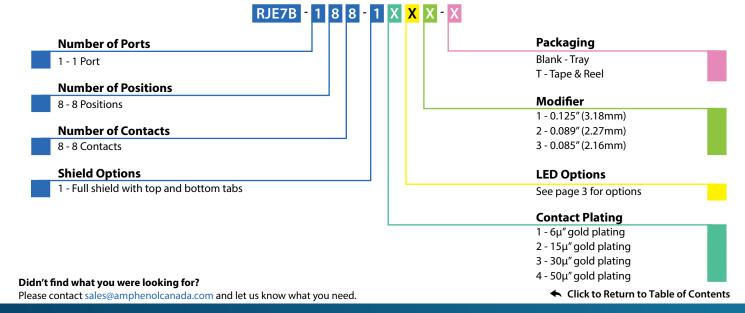
The RJE7B series of modular jacks meet CAT 6A performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols and 10G Ethernet over lengths of up to 100m. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material				Electrical	
Insulator:	High temp. thermoplastic;			Contact Resistance	20
	Complies w	Complies with UL 94V-0; Black colour		Insulation resistance:	
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on solder tails			Current Rating: Voltage Rating:	1.2
					125
solder ta				DWV:	100
Shield: Stainless ste		eel with tin dipped tails on LED tails		LED Forward DC	20r
LED: Tin plating				Current:	
				LED Forward Voltage:	1.9
Mechanica	ıl				2.6
Insertion Force:		5 lbs max.		LED Reverse Voltage:	5 V
Pull Retention Force:		20 lbs min.		LED Light Intensity:	0.4 col
Durability:		750 mating & unmating cycles			
Recommended Soldering Temperature:		IR reflow peaked at 260°C for 5 to 8 secs.		LED Wave Length:	Yel Gre
Operating Temperature:		-55°C to + 85°C			Red

*Note: IR Reflow compatible version also available; Consult factory for details

ORDERING INFORMATION



RJE7B CAT 6A, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

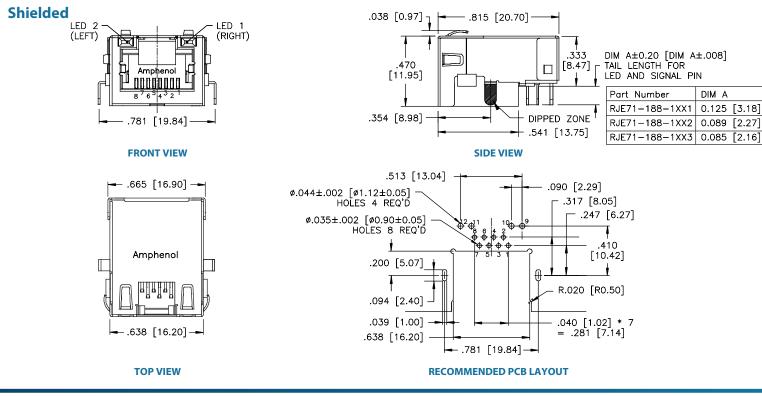
Contact Resistance	20 mΩ max.		
Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.		
Current Rating:	1.25 Amps per contact		
Voltage Rating:	125 Volts AC		
DWV:	1000 VAC, 60 Hz. 1 min.		
LED Forward DC Current:	20mA typical		
LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)		
LED Reverse Voltage:	5 Volts min.		
LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)		
LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA		





Single Port

RJE7B-188-1XXX



Notes

CAT 6A, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

RJE60

CAT 6A

RIGHT ANGLED, STANDARD PROFILE, WITH LEDs

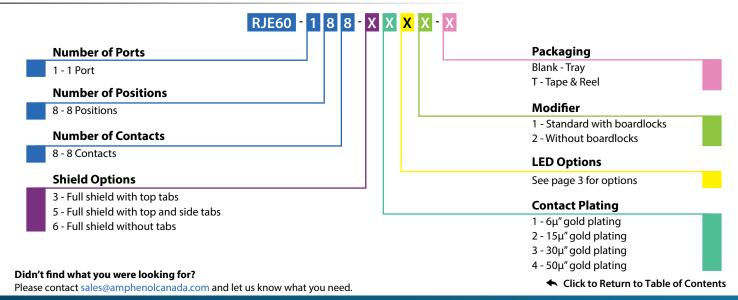
The RJE60 series of modular jacks meet CAT 6A performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding is available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material			Electrical		
Insulator:	High temp. thermoplastic;		Contact Resistance	20 mΩ max.	
-	•	ith UL 94V-0; Black	Insulation resistance:	500 $M\Omega$ min. at 500V DC for 2 mins max.	
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ", 15μ", 30μ", 50μ") over 50μ" min. nickel on contact mating area; 100μ" min. matte tin plating on solder tails		Current Rating:	1.25 Amps per contact	
			Voltage Rating:	125 Volts AC	
			DWV:	1000 VAC, 60 Hz. 1 min.	
Shield:		eel with tin dipped tails	LED Forward DC Current:	20mA typical	
LED: Tin plating					
Mechanical			LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)	
Insertion Force:		5 lbs max.	LED Reverse Voltage:	5 Volts min.	
Pull Retention Force:		20 lbs min.	LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single colours) 0.5 mcd min. at 2mA (for bicolours)	
Durability:		750 mating & unmating cycles			
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 10 secs max. for one cycle with an LED defect rate of no more than 100ppm	LED Wave Length:	Yellow: 587 \pm 7 nm measured at 20mA Green: 565 \pm 6 nm measured at 20mA Red: 625 \pm 5 nm measured at 20mA	
Operating Temperature:		-55°C to + 85°C			

*Note: Multiple exposure not recommended; IR Reflow compatible version also available; Consult factory for details

ORDERING INFORMATION



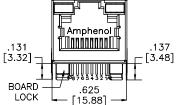
CAT 6A

RJE60

CAT 6A, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

Single Port

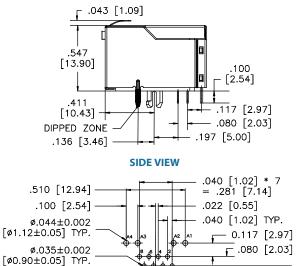




.631

[16.03]





CENTER

LINE OF

BOARD

LOCKS

.043 [1.09]

ø.128±0.002

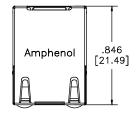
ø.063±0.002

.450 [11.43]

.625 [15.88]

[ø3.25±0.05] TYP.

[ø1.60±0.05] TYP.







.197

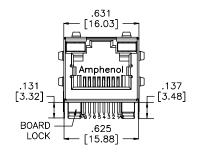
[5.00]

.136 [3.46]

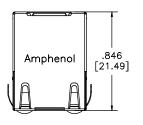
LOCATE HOLES

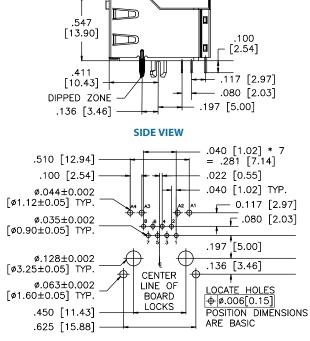
🔶 ø.006[0.15]

Shielded - Option 5



FRONT VIEW





TOP VIEW

RECOMMENDED PCB LAYOUT

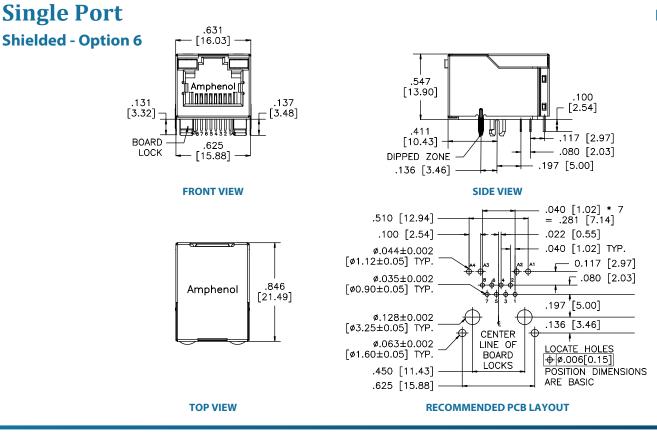
RJE60-188-3XX1

RJE60-188-5XX1

RJE60

CAT 6A, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

RJE60-188-6XX1



Notes



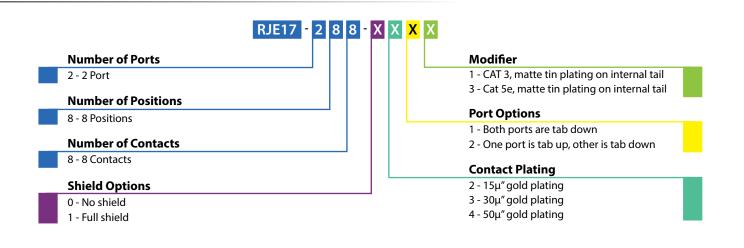
RJ45 COUPLER

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 CAT 3 and CAT 5e performance. The added shielding provides optional EMI protection.

SPECIFICATIONS

Material			Mechanical	
Insulator:	0	ering thermoplastic;	Insertion Force:	5 lbs max.
-	•	es with UL 94V-0; Black	Pull Retention Force:	20 lbs min.
Contacts:	ness op	or bronze hard temper with several gold thick- tions over $50\mu^{\prime\prime}$ min. nickel on contact mating	Durability:	750 mating & unmating cycles
		fer to drawing below)	Operating Temperature:	-40°C to + 70°C
Shield:	Stainles	s steel with tin dipped tails	Operating Temperature:	-40°C to + 85°C
Electrical				
Contact Resistance		20 mΩ max.		
Insulation resistance:		500 $M\Omega$ min. at 500V DC for 2 mins max.		
Current Rating:		1.25 Amps per contact		
Voltage Rating:		125 Volts AC		
DWV:		1000 VAC, 60 Hz. 1 min.		

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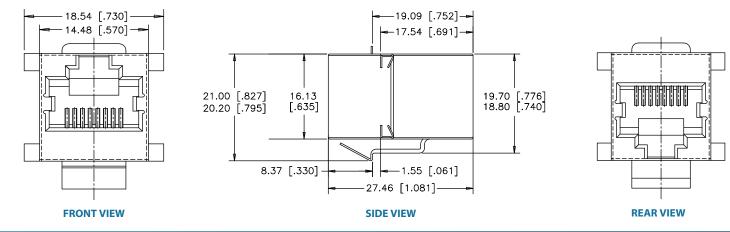


RJE17 RJ45 COUPLER

Single Port

RJE17-288-1X21



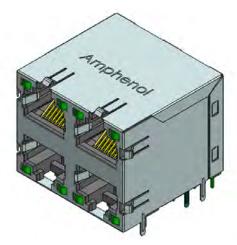


Notes

STACKED

Right Angle

RJSDE



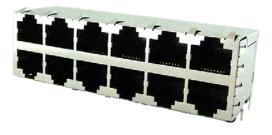
RJSAR



RJE36 (RJ over USB)

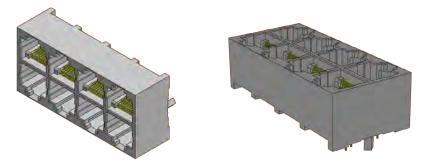


RJSFE



Vertical

RJE4N



HIGH PERFORMANCE

CAT 5e

RJE1A



RJE2A

RJE72



CAT 6

RJE1B



CAT 6A

RJE1C



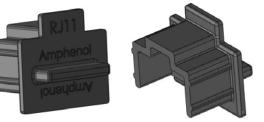
RJE50



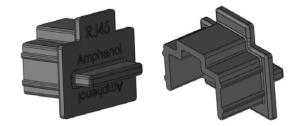
DUST COVERS & OTHERS

Dust Covers

FRJ-2611



FRJ-2411



Other

RJE1L





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