Amphenol Modular Jacks product catalogue



Now You're Connected!

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

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This modular jack catalogue represents some of our more popular products within this product category. Other product categories include, but is 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.



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Note: Denotes LEDs are available for connectors in the series

61-63

64-65

LED OPTIONS

LED Designation

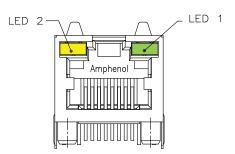
Ex. RJHSE - 538X*

LED	LED 2		LED 1	
Code	L€	eft	Right	
0	Bloc	cked	Blocked	
1	Yel	low	Green	
2	Bloo	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	Bloc	cked
Α	Green	Yellow	Green	Yellow
В	Red	Green	Red	Green
С	Red	Green	Green	Yellow
D	Green		Green	Yellow
E	Yellow		Green	Yellow
F	Green	Yellow	Yellow	
G	Green	Orange	Green	Orange
Н	Green	Yellow	Green	
J	Red	Green	Yel	low
K	Yel	low	Green	Orange
L	Green	Yellow	Red	
М	R	ed	Yellow	
N	Green	Red	Green	Yellow
Р	Gre	een	Red	Green
R	Green	Orange	Green	
Т	Red		Red	
V	Red	Green	Green	

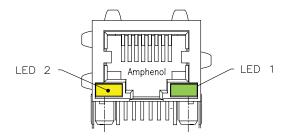
*LED Designation Code

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

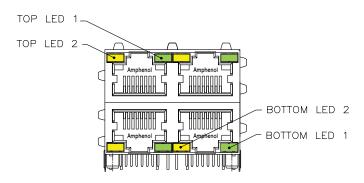
For Tab Up Connectors:



For Tab Down Connectors:



For Stacked Connectors:



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

3

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

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			
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 tin dipped tails		
LED:	Tin plating on LED tails		
Mechanica	1		
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	
Soldering Tem	perature:	secs max.	

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

Number of ports

Click to view page 3 for options

Number of Contacts

Blank - 1 Port

02 - 2 Ports

04 - 4 Ports

06 - 6 Ports

08 - 8 Ports

4 - 4 Contacts

6 - 6 Contacts 8 - 8 Contacts

*Note: Connectors without LEDs are suitable for IR Reflow

ORDERING INFORMATION

UL File #:

CSA File #:

Version

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

E135615

LR685398

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

RJHSE TAB UP, MULTIPORT, WITH LEDS

THROUGH - HOLE



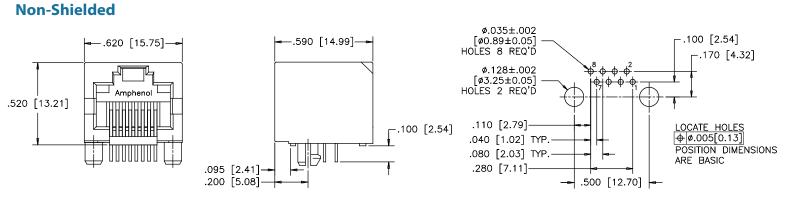
RJHSE TAB UP, MULTIPORT, WITH LEDS

Single Port

RJHSE-508X*

RJHSE-548X

RJHSE-338X

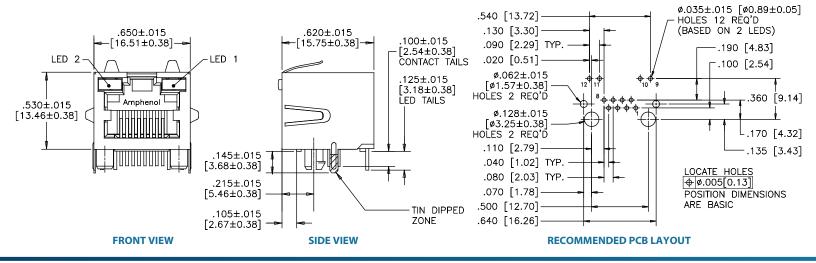


FRONT VIEW

SIDE VIEW

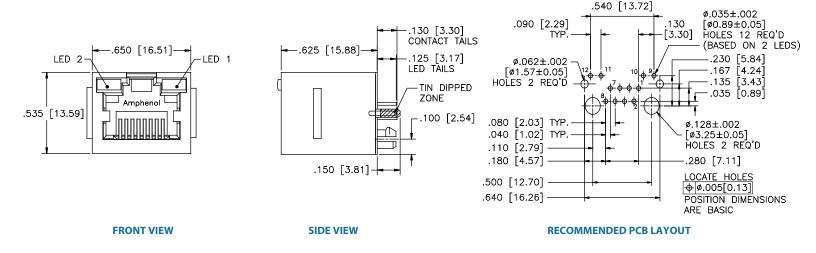


Shielded - With Top & Side Ground Tabs



Vertical Mount

5

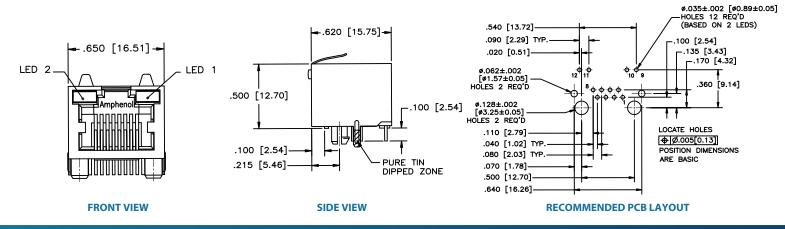


RJHSE-L38X

RJHSE

TAB UP, MULTIPORT, WITH LEDS

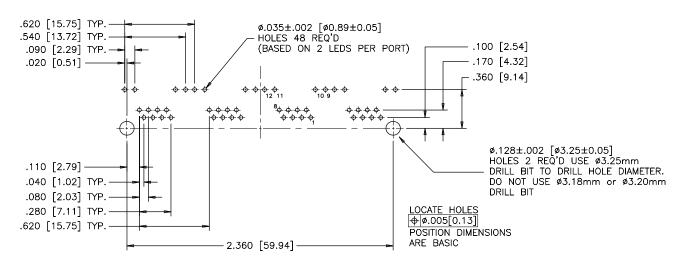
Single Port Shielded - Low Profile



Multi Port Non-Shielded

- 2.480 [62.99] .590 [14.99] LED 2 LED 1 祀 _lī Ζ Amphenol Amphenol Ampĥenol .100 [2.54] .520 [13.21] ¥ .125 [3.17] .095 [2.41] H .200 [5.08] 4

FRONT VIEW



RECOMMENDED PCB LAYOUT

RJHSE-508X-04

6

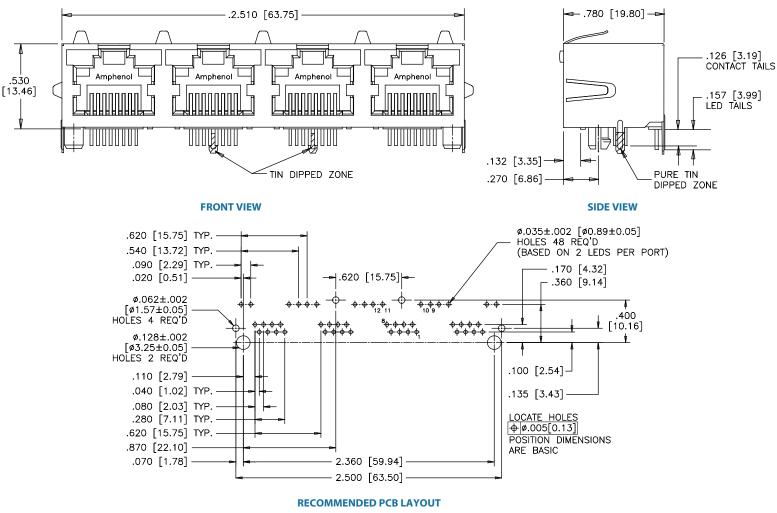
SIDE VIEW



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		
Insulator:	Engineering 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:	•	ronze hard temper with gold thickness , 15μ", 30μ", 50μ") over 50μ" min. nickel on	Current Rating:	1.5 Amps per contact	
		ing area; 100µ″ min. matte tin plating on	Voltage Rating:	125 Volts AC	
	soldering ta		DWV:	1000 VAC, 60 Hz. 1 min.	
Shield:	Id: Stainless steel 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 2mA (for bicolours)		
Insertion For	ce:	5 lbs max.	LED Reverse Voltage:	5 Volts min.	
Pull Retentio	n 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 ± 7 nm measured at 20mA Green: 565 ± 6 nm measured at 20mA	
Operating Te	mperature:	-55°C to + 85°C		Red: 625 \pm 5 nm measured at 20mA	

ORDERING INFORMATION

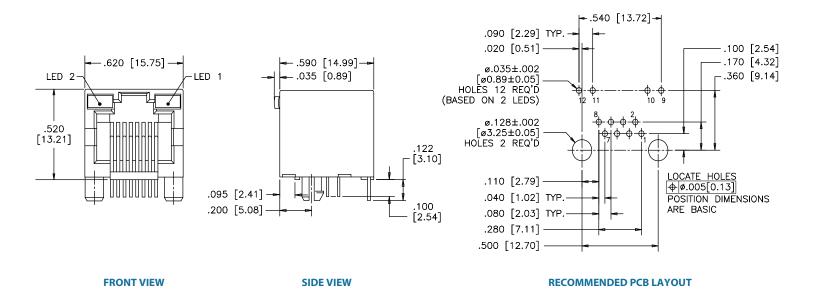
RJESE - XXX X X X X X X	3
Version	Special Identifier
3 - Vertical mount, 8 positions, with panel stops	Blank - Standard black housing
7 - Right angle, 6 positions	02 - Yellow housing colour
8 - Right angle, 8 positions	03 - Red housing colour
Shield Options	Number of Ports
0 - No shield	1 -1 Port
3 - 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
	3 - 50µ″ gold plating
LED Options	F - 1~3µ" gold plating
Click to view page 3 for options	
find what you were looking for?	 Click to Return to Table of Conter
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RJESE

TAB UP, RJ45 & RJ11, STANDARD PROFILE

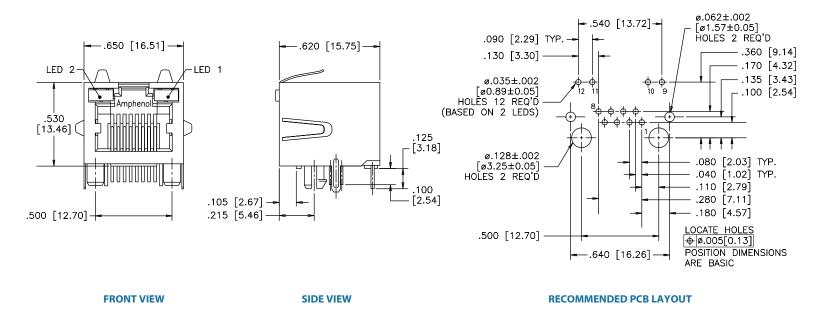
Single Port Non-Shielded



Shielded

9

RJESE-848X-X1



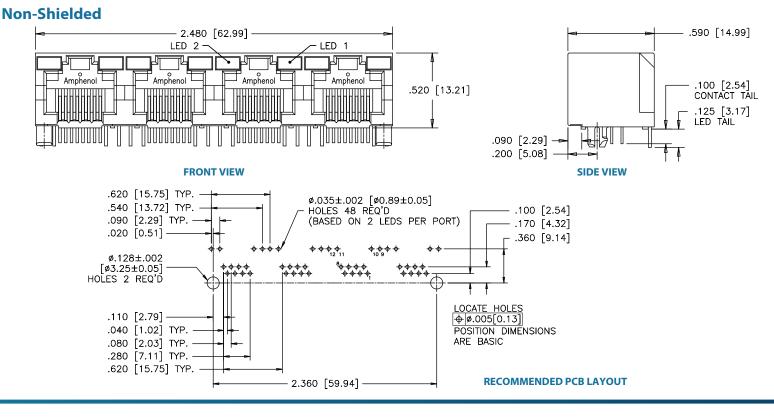
RJESE-808X-X1

TAB UP, RJ45 & RJ11, STANDARD PROFILE

RJESE-808X-X4

RJESE-838X-X4

Multi Port



Shielded

2.510 [63.75] .620 [15.75] LED 2 I FD 1 ~ Amphenol Amphenol Amphenol Amphenol -.100 [2.54] .530 [13.46] .125 [3.18] ||UUUU,,,UUUU|| .105 [2.67] .215 [5.46] PURE-TIN DIPPED ZONE **FRONT VIEW SIDE VIEW** ø.035±.002 [ø0.89±0.05] .620 [15.75] TYP. · HOLES 48 REQ'D .540 [13.72] TYP. (BASED ON 2 LEDS PER PORT) .090 [2.29] TYP. .620 .170 [4.32] .020 [0.51] -[15.75] - .360 [9.14] ø.062±.002 \$-\$+ [ø1.57±0.05] .400 [10.16] HOLES 4 REQ'D ᢪᡇ᠆ᡇ᠆᠊ᡇ᠂ᡇ ᠂᠊ᡇ᠆ᡇ᠆ᡇ .110 [2.79] LOCATE HOLES ⊕ Ø.005[0.13] .100 [2.54] .040 [1.02] TYP. .135 [3.43] POSITION DIMENSIONS .080 [2.03] TYP. ARE BASIC .280 [7.11] TYP. ø.128±.002 .620 [15.75] TYP. [ø3.25±0.05] HOLES 2 REQ'D .870 [22.10] .070 [1.78] 2.360 [59.94] **RECOMMENDED PCB LAYOUT** 2.500 [63.50]

TAB UP, SINGLE PORT, LOW PROFILE, WITH LEDs

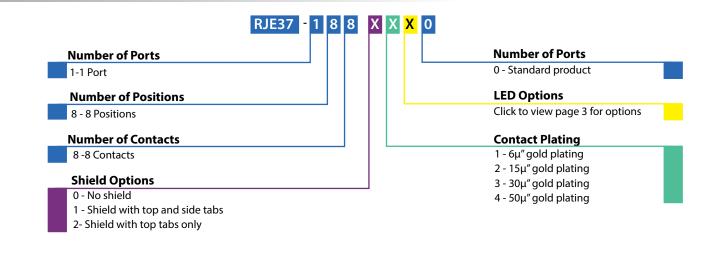
Single port through-hole (THT) series with multiple shield and LED options. Similar to our single port RJHSE series, but with a slightly lower profile and longer body. Inverted latch orientation for easy mating with industry standard plugs.

SPECIFICATIONS

Material			Electrical		
Insulator:	. .	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:	1.5 Amps per contact	
		ing area; 100µ″ min. matte tin plating on	Voltage Rating:	125 Volts AC	
	soldering ta		DWV:	1000 VAC, 60 Hz. 1 min.	
Shield:	Stainless steel with tin dipped tails		LED Forward DC	20mA typical	
LED: Tin plating o		on LED tails	Current :		
			LED Forward Voltage:	2.6 Volts max. at 2mA	
Mechanica			LED Reverse Voltage:	5 Volts min.	
Insertion For	ce:	5 lbs max.	LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single	
Pull Retention Force:		20 lbs min.	g	colours)	
Durability:		750 mating & unmating cycles		0.5 mcd min. at 2mA (for bicolours)	
·			LED Wave Length:	Yellow: 585 \pm 7 nm measured at 20m/	
Recommended Soldering Temperature:		Wave soldering peaked at 260°C for 5 secs max.		Green: 568 \pm 6 nm measured at 20mA Red: 640 \pm 5 nm measured at 20mA	
Operating Ter	mperature:	-55°C to + 85°C			

*Note: Connectors without LEDs are suitable for IR Reflow

ORDERING INFORMATION



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

RJE37-188-0XX0

RJE37-188-1XX0 ø.038 [ø0.97] HOLES 4 REQ'D BASED ON 2 LEDS

.142 [3.61]

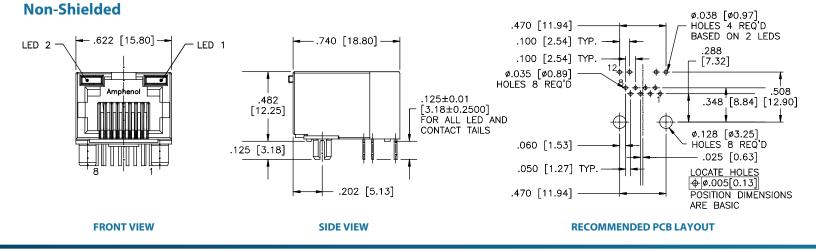
.288 7.32

.348 [8.84]

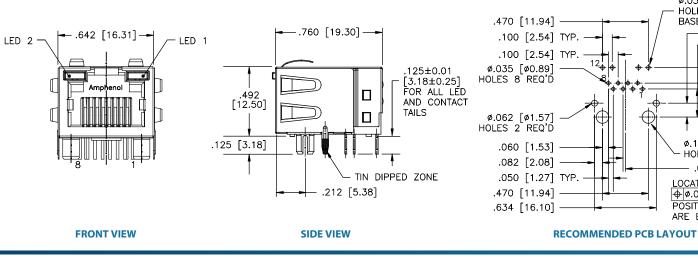
.508

[12.90]









Shielded - With Top Tabs Only



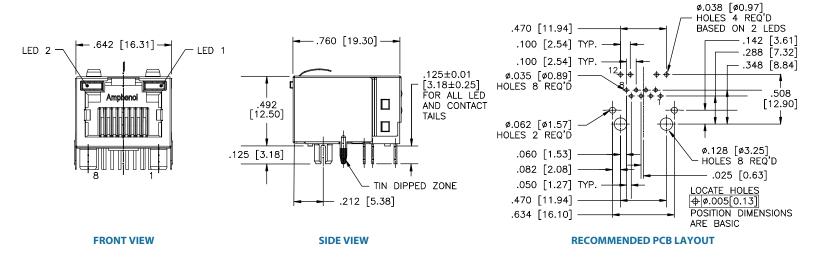
Ø.128 [Ø3.25] HOLES 8 REQ'D

.025 [0.63]

POSITION DIMENSIONS

LOCATE HOLES ⊕ Ø.005[0.13]

ARE BASIC



RJE39

TAB UP, NARROW, TWO AND EIGHT PORT

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.

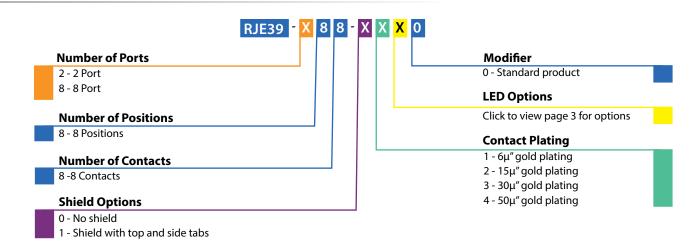
SPECIFICATIONS

Material		
Insulator:	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	
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:	1.5 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 (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 \pm 7 nm measured at 20mA Green: 570 \pm 6 nm measured at 20mA Red: 628 \pm 5 nm measured at 20mA

ORDERING INFORMATION

*Note: Connectors without LEDs are suitable for IR Reflow

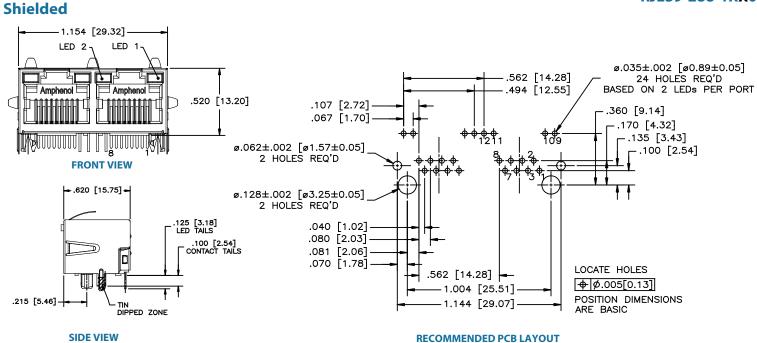


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RJE39 TAB UP, NARROW, TWO AND EIGHT PORT

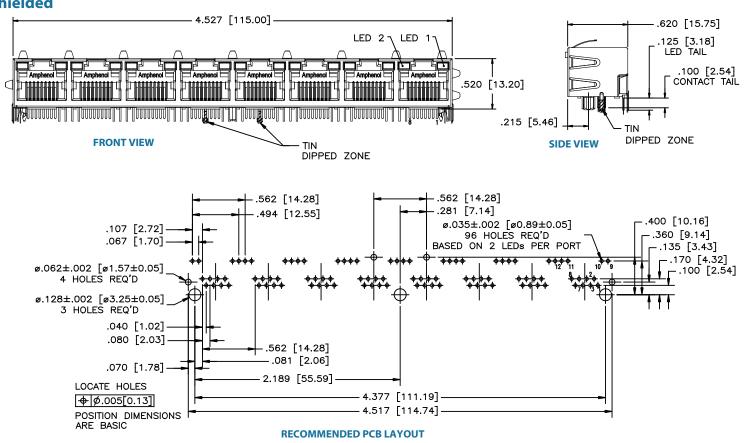
RJE39-288-1XX0



Eight Port

Two Port

RJE39-888-1XX0



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TAB UP, RJ11 (SIX POSITION)

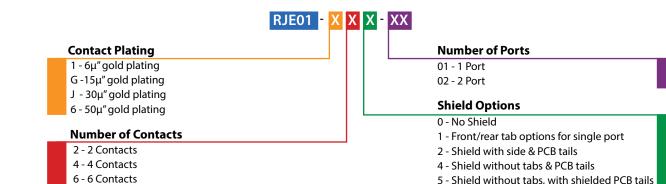
The RJE01 series of 6-position jacks are designed for superior EMI performance. The inverted connector provides shorter leads, eliminating the EMI antenna effect of the standard connector footprint. Typical performance improvement over their standard connector counterparts is 5-10 dB over the frequency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

SPECIFICATIONS

Material			
Insulator:	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		
Electrical			
Contact Resista	ance	20 mΩ max.	
Insulation resis	stance:	500 $M\Omega$ min. at 500V DC for 2 mins max.	
Current Rating:		1.5 Amps per contact	
Voltage Rating			
· · · · · · · · · · · · · · · · · · ·	j:	125 Volts AC	

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

ORDERING INFORMATION

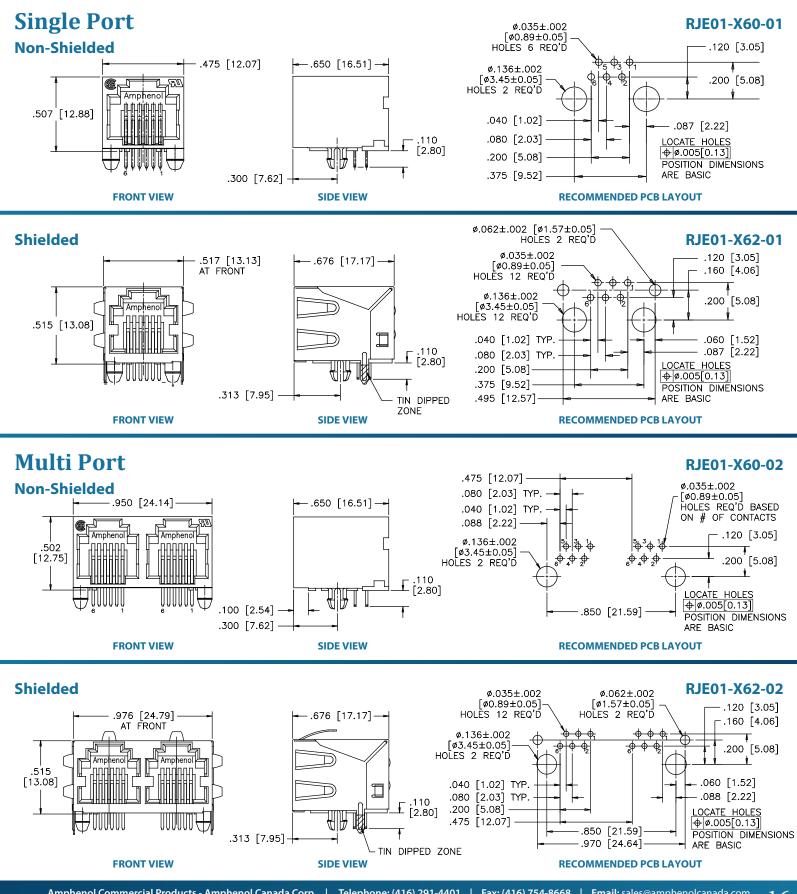


5 - Shield without tabs, with shielded PCB tails

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RJE01



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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 filter 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:	options (6µ' contact mat	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 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				

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

CSA File #:



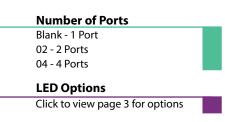
5 - 8 Positions, 50µ" gold plating

LR685398

- 7 6 Positions, $50\mu^{\prime\prime}$ gold plating
- D 8 Positions, $6\mu''$ gold plating
- G 8 Positions, 15µ" gold plating
- J 8 Positions, 30µ" gold plating

Shield Options

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



Number of Contacts

- 4 4 Contacts
- 6 6 Contacts
- 8 8 Contacts

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Click to Return to Table of Contents

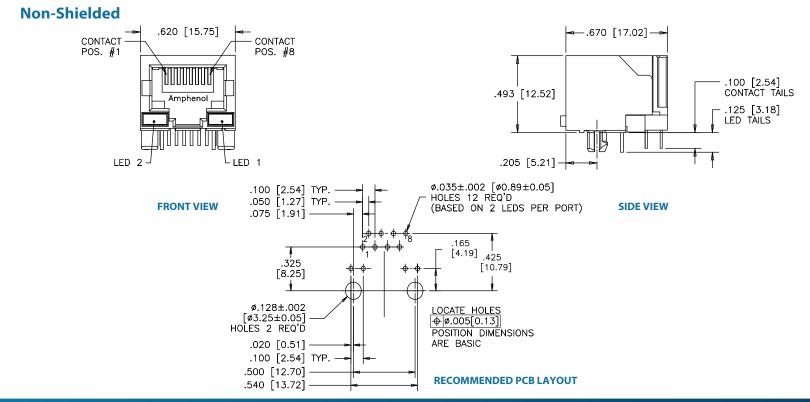
RJSBE - X X X X - C X



RJSBE TAB DOWN, 1, 2 AND 4 PORT WITH LEDS

RJSBE-508X-C1

Single Port

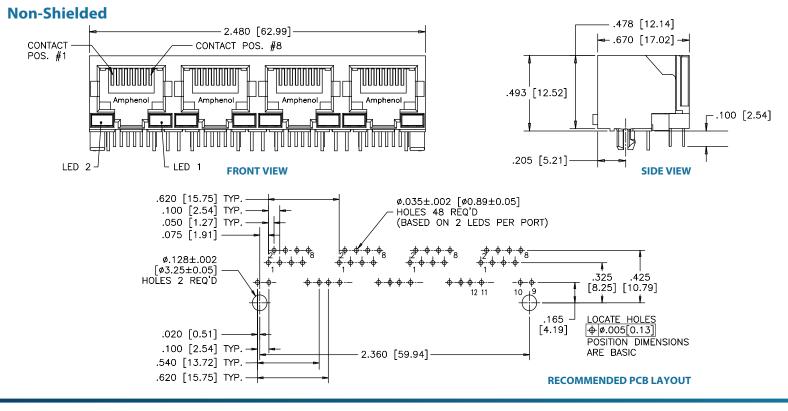


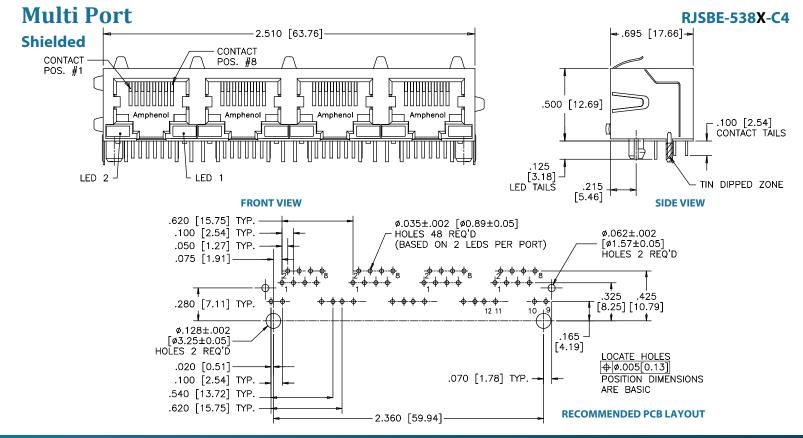
Shielded RJSBE-538X-C1 .774 [19.66] .695 [17.66] .650 [16.51] .562 [14.27] LED 1 D .125 [3.17] LED 2 Amphenol ŧ .100 [2.54] 1 Ø F .500 [12.69] .069 [1.75] .163 [4.14] **-**.018 [0.47] .047 [1.19] TIN DIPPED ZONE .100 [2.54] .215 [5.46] .540 [13.72] **FRONT VIEW SIDE VIEW** .350 [8.89] .050 [1.27] TYP. Ø.035±.002 [Ø0.89±0.05] -.075 [1.91] HOLES 12 REQ'D BASED ON 2 LEDS -.070 [1.78] .100 [2.54] ø.062±.002 .325 [8.25] ∔¢ [ø1.57±0.05] ĽΦ -.165 [4.19] Ь. HOLES 2 REQ'D 4 -6 ₩, LOCATE HOLES |⊕|ø.005[0.13] I12 .280 [7.11] ¢ POSITION DIMENSIONS ARE BASIC ø.128±.002 [ø3.25±0.05] HOLES 2 REQ'D .020 [0.51] .100 [2.54] TYP. .500 [12.70] **RECOMMENDED PCB LAYOUT** .640 [16.26]



Multi Port

RJSBE-508X-C4





TAB DOWN, FILTERED AND SHIELDED

RJ

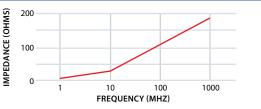
TAB DOWN, FILTERED AND SHIELDED

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 Block. No board layout changes are required for its use. Simply replace the standard non-filtered connector for superior EMC performance.

SPECIFICATIONS

Material	
Insulator:	High 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 Block

IMPEDANCE CHARACTERISTICS



ORDERING INFORMATION

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.			
Mechanical				
Insertion Force:	5 lbs max.			
Pull Retention Force:	20 lbs min.			
Durability:	750 mating & unmating cycles			
Recommended Soldering Temperatur	Wave soldering peaked at 260°C for 5 secs max.			
Operating Temperatu	re: -55°C to + 85°C			
UL File #:	E135615			
CSA File #:	LR68598			

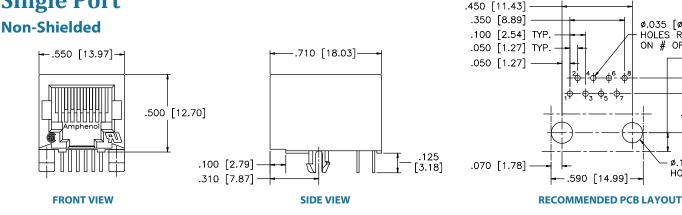
Version	Number of Ports
4 - 8 Positions	Blank - 1 Port
6 - 6 Positions	02 - 2 Ports
	04 - 4 Ports
Shield Options	06 - 6 Ports
0 - Non-filtered without shield	08 - 8 Ports
1 - Filtered with front tab shield 3 - Non-filtered with front tab shield	Number of Contacts
4 - Filtered without shield	2 - 2 Contacts
6 - Filtered with rear tab shield	4 - 4 Contacts
7 - Filtered without PCB tails shield	6 - 6 Contacts
8 - Non-filtered with rear tab shield	8 - 8 Contacts

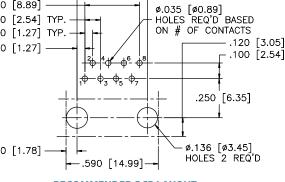
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Please contact sales@amphenolcanada.com and let us know what you need.

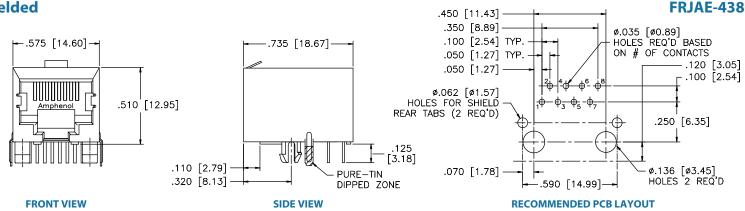
TAB DOWN, FILTERED AND SHIELDED

Single Port





Shielded



Multi Port Non-Shielded -.710 [18.03]-FERRITE (OPTIONAL) .500 [12.70] R. £11 CENTRAL PEG .100 [2.54] (FOR 8 PORT ONLY) .310 [7.87] .125 [3.17] **FRONT VIEW SIDE VIEW** Ø.035±.002 [Ø0.89±0.05] (CENTRAL 6 OR ALL 8 REQ'D PER PORT) .550 [13.97] TYP. 4. .100 [2.54] .120 [3.05] .350 [8.89] TYP. ø.062±.002 Number ø1.57±0.05] С А .100 [2.54] TYP. of ports .410 [10.41] ONLY FOR .050 [1.27] TYP. -.180 [4.57] .250 [6.35] 4, 6, 8 PORT) 1.200 [30.48] 1.000 [25.40] 2 .050 [1.27] ø.136±.002 20 40 60 8m 2.300 [58.42] 2.100 [53.34] 4 [ø3.45±0.05] \$_____ $\varphi_1 \varphi_3 \varphi_5 \varphi_7$ $\varphi_1 \varphi_3 \varphi_5 \varphi_7$ 6 3.400 [86.36] 3.200 [81.28] HOLES 2 REQ'D ᠿ .530 [13.46] ø.062±.002 8 4.500 [114.30] 4.300 [109.22] [ø1.57±0.05] HOLES FOR SHIELD FRONT Ø.062±.002 [Ø1.57±0.05] HOLES FOR SHIELD REAR TABS (2 REQ'D) .100 [2.54] TABS (2 REQ'D) LOCATE HOLES .110 [2.79] ø.136±.002 [ø3.45±0.05] POSITION DIMENSIONS **RECOMMENDED PCB LAYOUT** HOLE FOR 8 PORT ONLY ARE BASIC

FRJAE-4X8-0X

FRJAE-A408

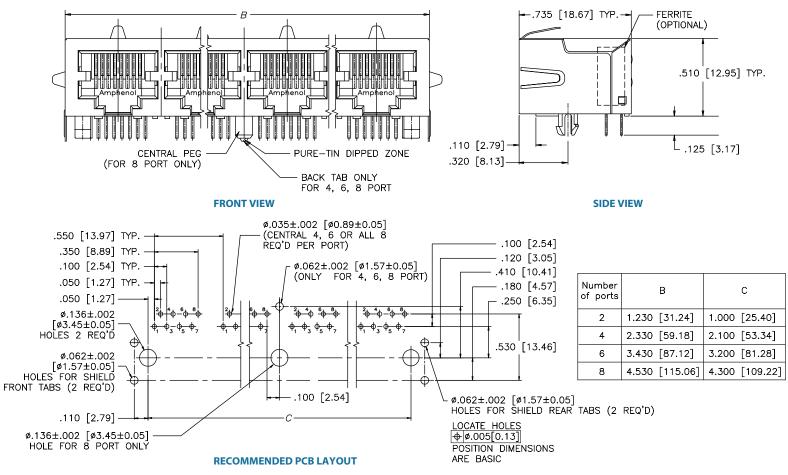
FRJAE

TAB DOWN, FILTERED AND SHIELDED

Multi Port

FRJAE-418-0X





Notes



TAB DOWN, SINGLE PORT, HIGH PROFILE

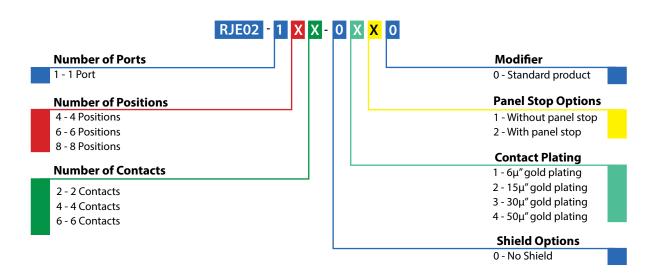
RJE02 series is a group of products within a family of standard modular jacks designed to meet requirements for a variety of applications options within the RJE02 family include options with and without a panel stops, and RJ11 & RJ45 configurations.

SPECIFICATIONS

Material			l	Me
Insulator:	5	np. thermoplastic; s with UL 94V-0; Black		Ins
Contacts:	Phospho options	or bronze hard temper with gold thickness (6µ", 15µ", 30µ", 50µ") over 50µ″ min. nickel on		Pul Du
soldering tail			Rec Sol	
Shield:	Copper	alloy; nickel plated with tin dipped tail		Ор
Electrical				*Nc
Contact Resist	tance	20 mΩ max.		
Insulation res	istance:	500 $M\Omega$ min. at 500V DC for 2 mins max.		
Current Rating	g:	1.5 Amps per contact		
Voltage Ratin	g:	125 Volts AC		
DWV:		1500 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 + 85°C
*Note: Connectors with high	temp. material are suitable for IR Reflow

ORDERING INFORMATION



Didn't find what you were looking for?

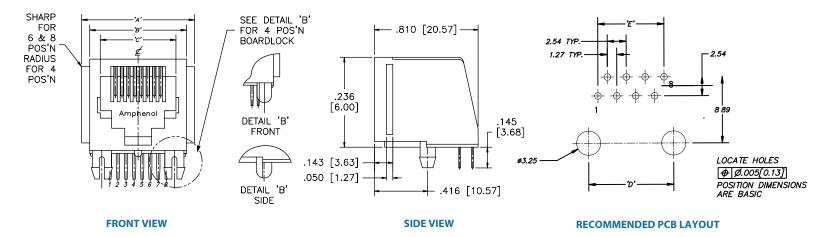
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JE02 R. TAB DOWN, SINGLE PORT, HIGH PROFILE

Single Port

RJE02-1XX-0X20





Part #	No. of	No. of	Dimensions				
	Positions	Contacts	A	В	С	D	E
RJE02-142-0X20	4	2	.540 [13.72]	.440 [11.18]	.309 [7.85]	.300 [7.62]	.050 [1.27]
RJE02-144-0X20	4	4	.540 [13.72]	.440 [11.18]	.309 [7.85]	.300 [7.62]	.150 [3.81]
RJE02-162-0X20	6	2	.620 [15.75]	.520 [13.21]	.389 [9.88]	.400 [10.16]	.050 [1.27]
RJE02-164-0X20	6	4	.620 [15.75]	.520 [13.21]	.389 [9.88]	.400 [10.16]	.150 [3.81]
RJE02-166-0X20	6	6	.620 [15.75]	.520 [13.21]	.389 [9.88]	.400 [10.16]	.150 [3.81]
RJE02-188-0X20	8	8	.700 [17.78]	.600 [15.24]	.469 [11.91]	.450 [11.43]	.350 [8.89]

Notes



TAB DOWN, SINGLE PORT, LOW PROFILE

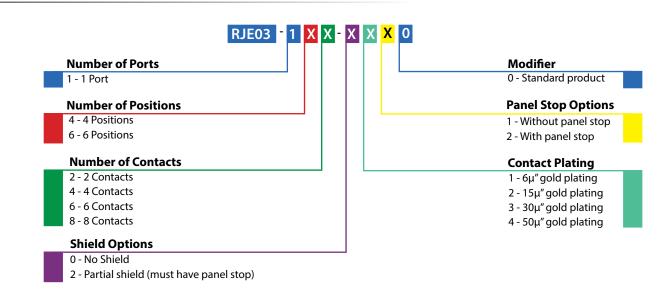
RE03 series is a group of products within a family of standard modular jacks designed to meet requirements for a variety of applications. Options within the RJE03 family include shielded and non-shielded, and RJ11 & RJ45 configurations.

SPECIFICATIONS

Material			
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			
Electrical			
Electrical Contact Resista	ance	20 mΩ max.	
		20 mΩ max. 500 MΩ min. at 500V DC for 2 mins max.	
Contact Resista	stance:		
Contact Resista Insulation resis	stance:	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:	- 40°C to + 85°C	
*Note: Connectors with high temp. material are suitable for IR Reflow		

ORDERING INFORMATION



Didn't find what you were looking for?

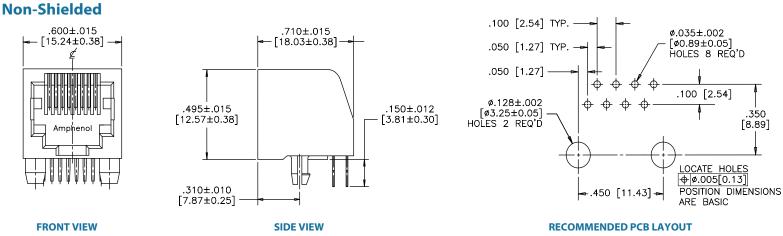
25

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RJE03 TAB DOWN, SINGLE PORT, LOW PROFILE

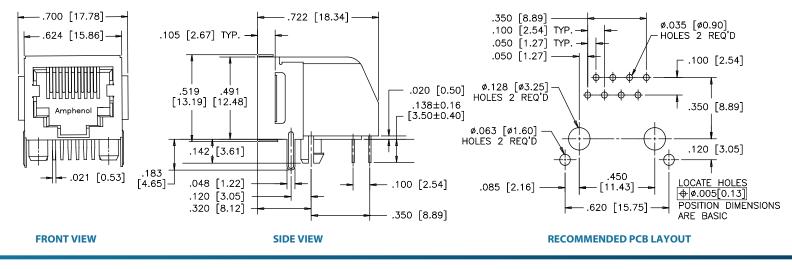
RJE03-188-0X10





Shielded with Panel Stop

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.

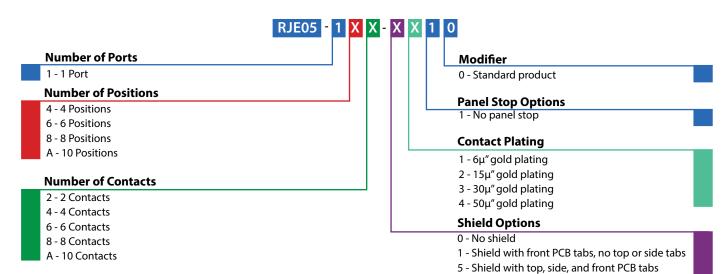
SPECIFICATIONS

Material		
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black	
Contacts:	Contacts: Phosphor bronze hard temper with gold thickness options (6μ", 15μ", 30μ", 50μ") over 50μ" min. nickel o contact mating area; 100μ" min. matte tin plating o soldering tail	
Shield:	Copper	alloy; nickel plated with tin dipped tail
	••	
Electrical		
Electrical Contact Resist		20 mΩ max.
	tance	
Contact Resis	tance istance:	20 mΩ max.
Contact Resist Insulation res	tance istance: g:	20 m Ω max. 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:	- 40°C to + 85°C
UL File #:	E135615

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

ORDERING INFORMATION



8 - Shield with rear PCB tabs, no top or side tabs

Didn't find what you were looking for?

27

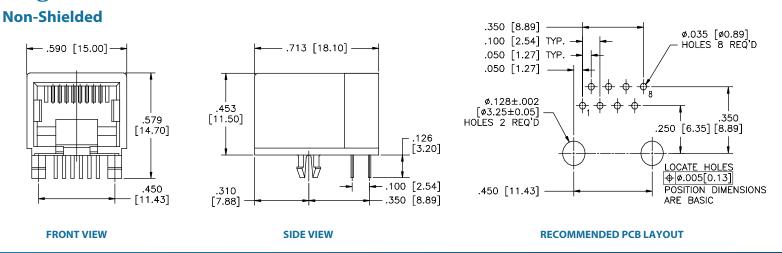
Please contact sales@amphenolcanada.com and let us know what you need.

RJE05 TAB DOWN, ULTRA LOW PROFILE

RJE05-188-0X10

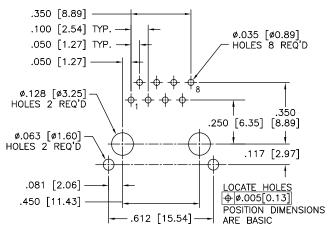
RJE05-188-1X10

RJE05-188-5X10

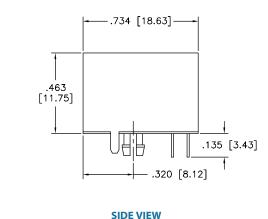


Shielded with Front PCB Tabs

Single Port



RECOMMENDED PCB LAYOUT



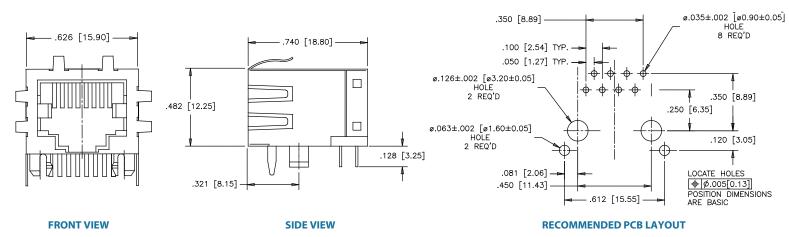
FRONT VIEW

-.620 [15.76]-

UUUUUUUU

Amphenol





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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	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 a		alloy; nickel plated allover	
Electrical			
Contact Resist	ance	20 mΩ max.	
Insulation resistance:			
Insulation resis	stance:	500 $M\Omega$ min. at 500V DC for 2 mins max.	
Current Rating		500 M Ω min. at 500V DC for 2 mins max. 1.5 Amps per contact	
	j:		

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

0 - Standard product Panel Stop Options
Panel Stop Options
Panel Stop Options
1 - No panel stop
2 - With panel stop
Contact Plating
1 - 6µ" gold plating
2 - 15µ" gold plating
3 - 30µ" gold plating
4 - 50µ" gold plating
Shield Options

8 - Shield with rear PCB tabs, no top or side tabs

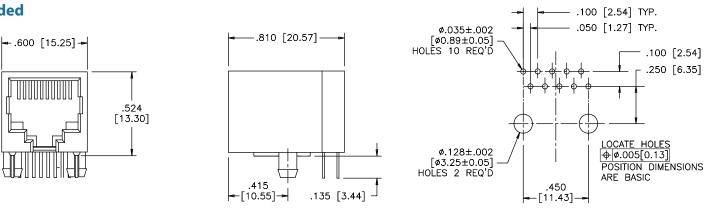
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RJE09-1AA-0X10

RJE09 TAB DOWN, STANDARD PROFILE

Single Port



RECOMMENDED PCB LAYOUT

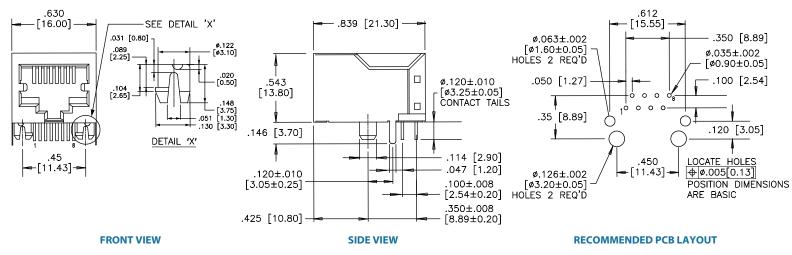
Shielded

FRONT VIEW

FRONT VIEW

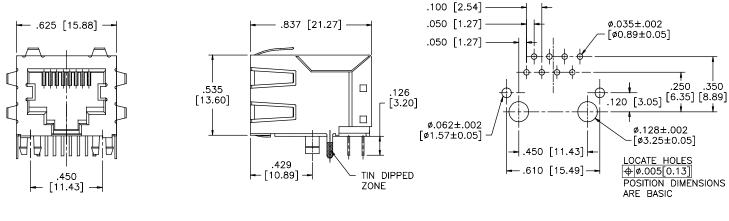
RJE09-188-1X10

RJE09-188-5X10



SIDE VIEW

Shielded



SIDE VIEW

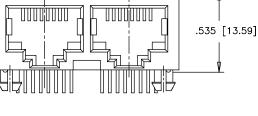
RECOMMENDED PCB LAYOUT



Multi Port

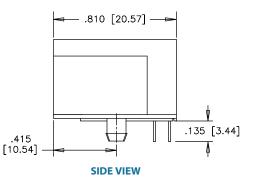
Non-Shielded

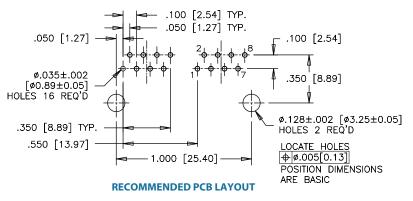
RJE09-288-0X10





1.200 [30.48]

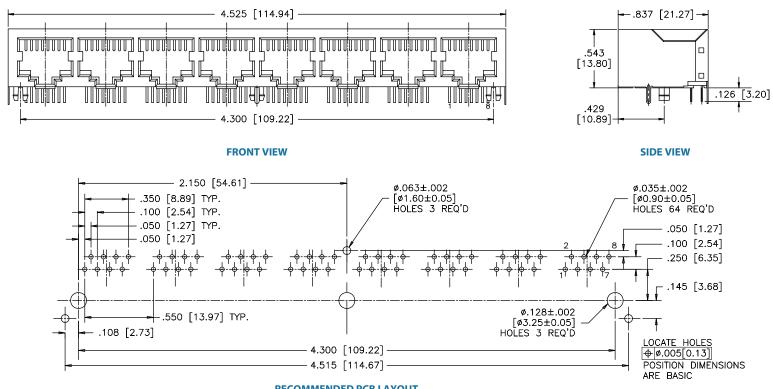




.550 [13.97]

Shielded

RJE09-888-1X10





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				
-	High temp. thermoplastic; Flammability rating UL94-0; RoSH compliant			
Contacts:	Phosphor bronze			
•	Gold plated on mating surfaces over $50\mu''$ (1.27 microns) min. nickel under plate; $100\mu''$ (2.54 microns) min. matte tin on contact tails			
Shield:	Copper alloy; nickel plated			
Electrical	Electrical			
Contact Resista	nce 20 mΩ max.			
Insulation resis	tance: 500 M Ω 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
Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
Operating Temperature:	-55°C to + 85°C
UL File #:	E135615

Through Hole

RJUI

TAB DOWN, RECESSED, LOW PROFILE

*Note: Suitable for IR Reflow

ORDERING INFORMATION

Number of Positions	Packaging
4 - 8 Positions	Blank - Tray
	T - Tape & Reel
Contact plating	Number of Dente
0 - 1~3µ" gold plating	Number of Ports
1 - 15µ″ gold plating	01- 1 Port
2 - 30µ" gold plating	
3 - 50µ″ gold plating	Shield Options
	0 - No shield
Housing Options	1 - Shield with top, side, and rear PCB tab
1 - Black	2 - Shield with flared side tabs
2 - Yellow	3 - Shield with rear PCB, no top or side ta
3 - Red	
Number of Contacts	
4 - 4 Contacts	
6 - 6 Contacts	
8 - 8 Contacts	

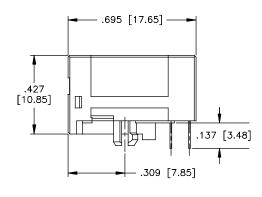
Didn't find what you were looking for?

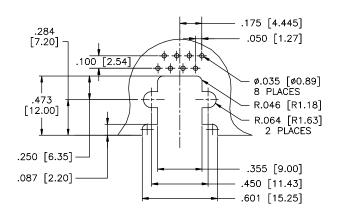
Please contact sales@amphenolcanada.com and let us know what you need.



Single Port Non-Shielded

.573 [14.54] Amphenol .450 [11.43]



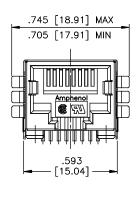


RECOMMENDED PCB LAYOUT

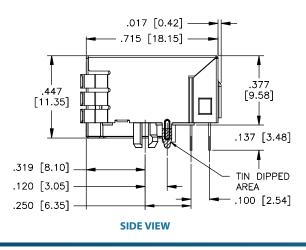
FRONT VIEW

SIDE VIEW

Shielded with Side Ground Tabs

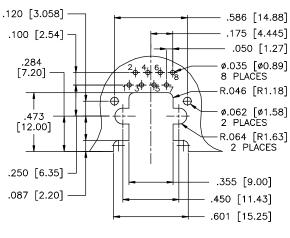


FRONT VIEW



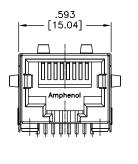
RJULE-4X182-01

RJULE-4X180-01



RECOMMENDED PCB LAYOUT

Standard Shield

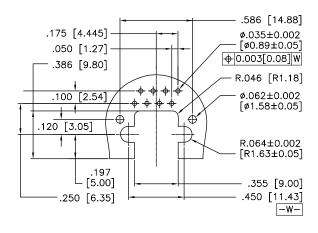


FRONT VIEW

.017 [0.42] .715 [18.15] .499 .447 [12.65] [11.35] .124 [3.14] .128 [3.26] .120 [3.05] [1.77] .250 [6.35]

SIDE VIEW

RJULE-4X181-01



RECOMMENDED PCB LAYOUT

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

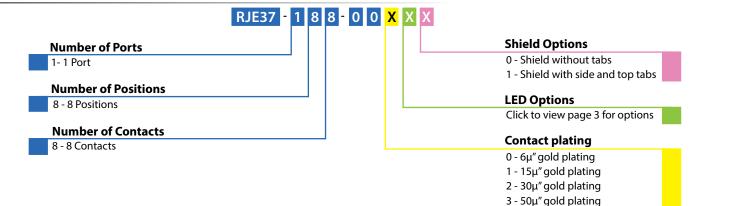
TAB DOWN, SINGLE PORT, LOW PROFILE

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:	High temp. thermoplastic; Complies with UL94-0; Black		Contact Resistance	20 mΩ max.
Contacts:			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
	100µ″ min. r	natte tin plating on solder tails	Voltage Rating:	125 Volts AC
Shield:	Stainless ste	el with tin dipped tails	DWV:	1000 VAC, 60 Hz. 1 min.
LED:	Tin plating o	on LED tails	LED Forward DC	20mA typical
Mechanical			Current:	
Insertion For		5 lbs max.	LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours)2.6 Volts max. at 2mA (for bicolours)
Pull Retentio	n 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 ± 7 nm measured at 20mA
Operating Te	mperature:	-55°C to + 85°C		Green: 565 \pm 6 nm measured at 20mA
UL File #:		E135615		Red: 625 \pm 5 nm measured at 20mA

ORDERING INFORMATION



Didn't find what you were looking for?

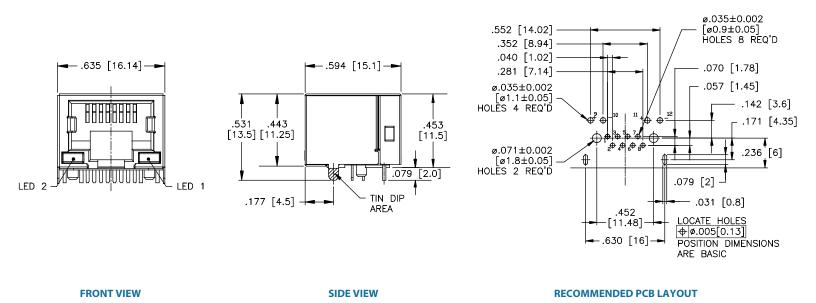
Please contact sales@amphenolcanada.com and let us know what you need.

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

Single Port

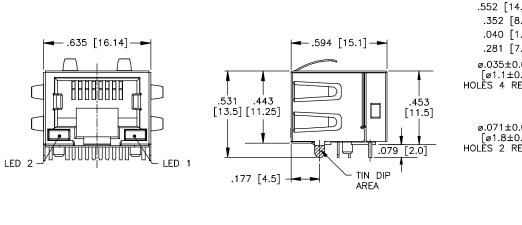
RJE73-188-00XX0

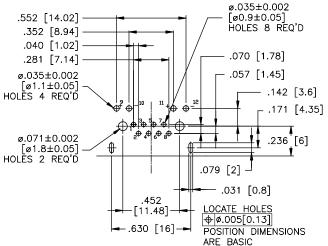
Shielded - No Top or Side Tabs



Shielded - With Top and Side Tabs







FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT

RJSSE TAB UP, WITH LIGHT PIPES

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

Insulation resistance:

Current Rating:

Voltage Rating:

DWV:

Material		
Insulator:	High temp. thermoplastic; Complies with UL94-0; Black	
Contacts:	Phosphor bronze hard temper with gold plating options over $50\mu''$ min. nickel on contact mating area; $100\mu''$ min. matte tin plating on solder tails	
Shield:	Copper alloy; nickel or matte tin plating	
Light Pipe:	Optical polycarbonate; UL 94V-0	
Electrical		
Contact Resist	ance $20 \text{ m}\Omega$ max.	

1.5 Amps per contact

1500 VAC, 60 Hz. 1 min.

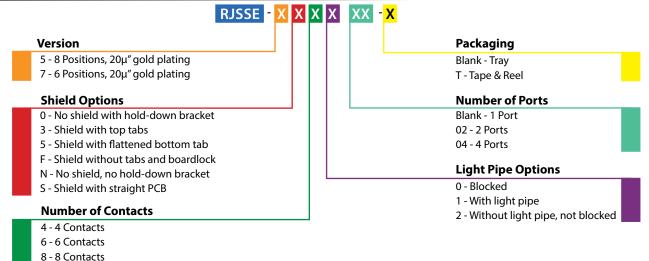
125 Volts AC

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:	IR Reflow peaked at 260°C for 5 to 10 secs max.
Operating Temperature:	-55°C to + 85°C
UL File #:	E135615

*Note: Light Pipes to be installed after soldering

ORDERING INFORMATION



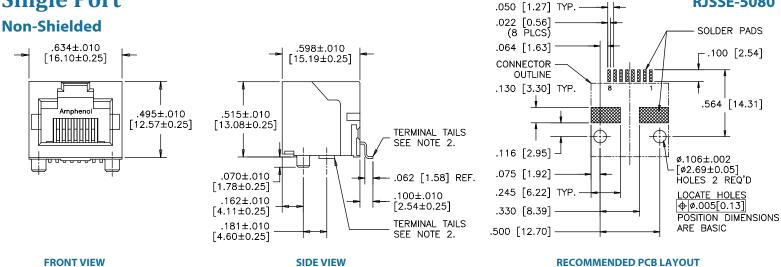
Note: The light pipes are available to be purchased on their own. Part Number: RJSSE-2485-01

Didn't find what you were looking for?

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

SS TAB UP, WITH LIGHT PIPES

Single Port

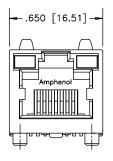


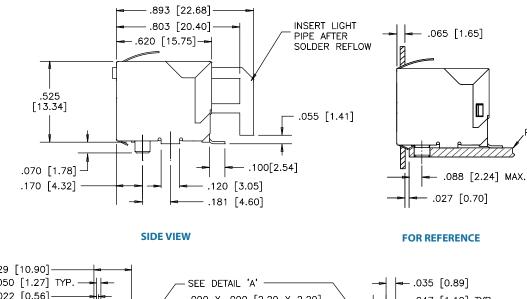
Standard Shield - With Top & Side Ground Tabs

RJSSE-5381

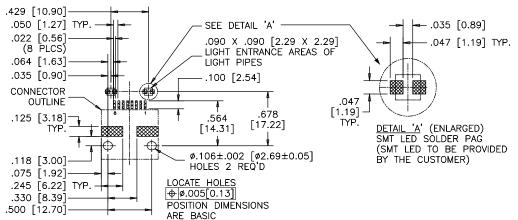
PCB

RJSSE-5080





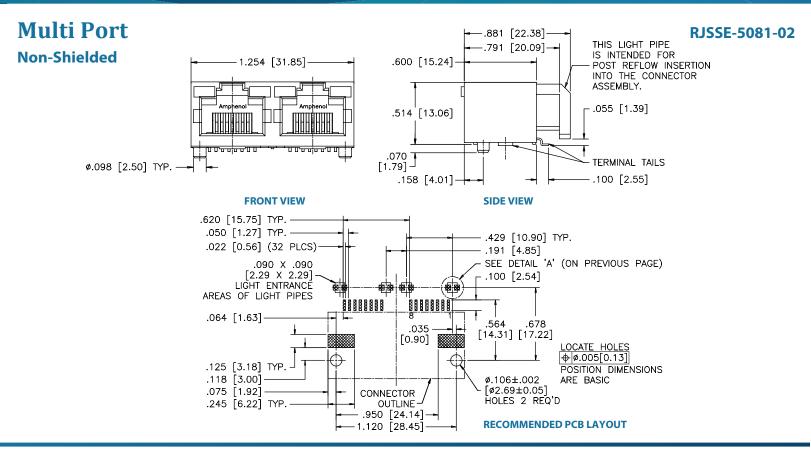
FRONT VIEW



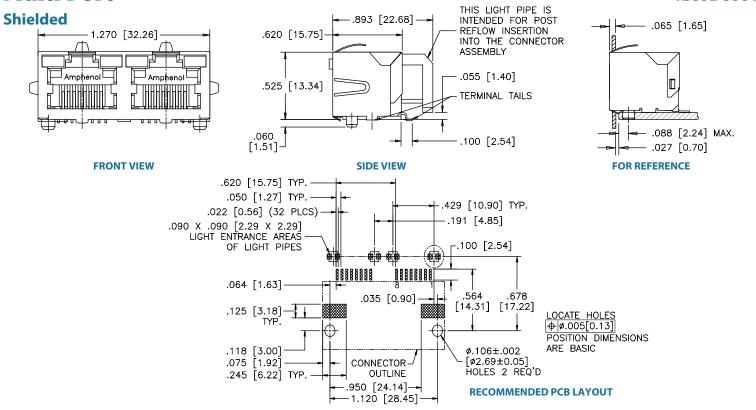
RECOMMENDED PCB LAYOUT

RJSSE-5381-02





Multi Port



TAB UP, STANDARD PROFILE, WITH LEDs

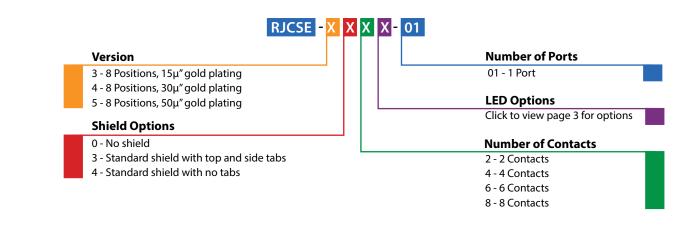
The RJCSE is a right angle surface mount connector. Shielding is available for increased EMI performance as well as built-in LEDs for link activity and network verification. This product is ideal for LAN applications such as adapter cards and routers.

SPECIFICATIONS

Material			
Insulator:	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 matte-tin plating		
Mechanica	ıl		
Insertion For	ce:	5 lbs max.	
Pull Retention	n Force:	20 lbs min.	
Durability:		750 mating & unmating cycles	
Recommende Soldering Ter		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	

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

ORDERING INFORMATION



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



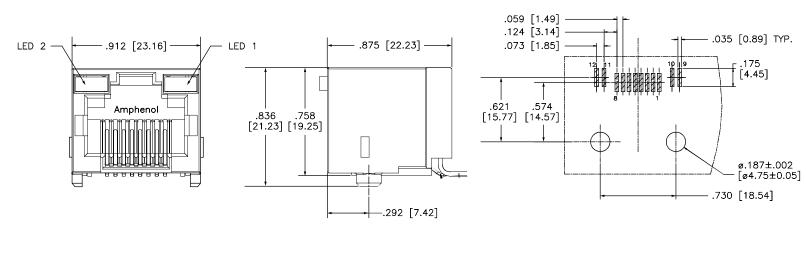
39

TAB UP, STANDARD PROFILE, WITH LEDS

RJCS

RJCSE-508X-01

Single Port



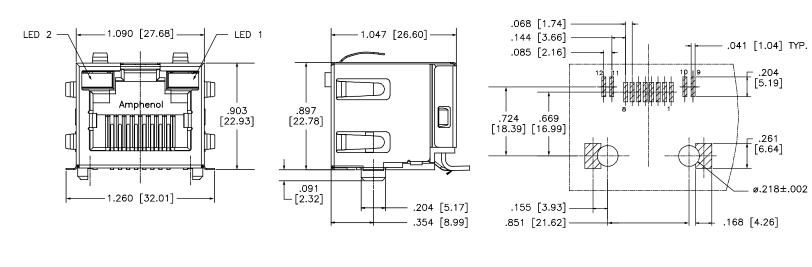
FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT

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.



SPECIFICATIONS

Electrical

Contact Resistance

Current Rating:

Voltage Rating:

DWV:

Insulation resistance:

Material		
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black	
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; Gold flash over palladium nickel also available; 100 μ " min. matte tin plating on soldering tail	
Shield:	Copper alloy; nickel or matte tin plated	
*Note: Other insulator colour options available		

20 mO max.

125 Volts AC

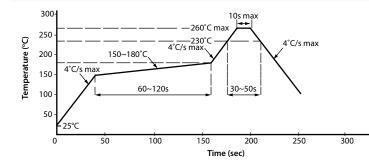
1.5 Amps per contact

1000 VAC, 60 Hz. 1 min.

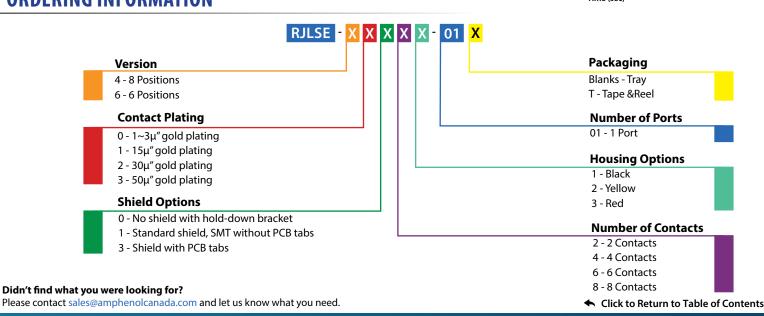
500 M Ω min. at 500V DC for 2 mins max.

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Recommended Soldering Temperature:	Lead free reflow soldering up to 260°C for 10 secs max. 3 reflow passes max.
Operating Temperature:	- 55°C to + 85°C
UL File #:	E135615
CSA File #:	LR685398

*Note to recommended reflow profile below



ORDERING INFORMATION

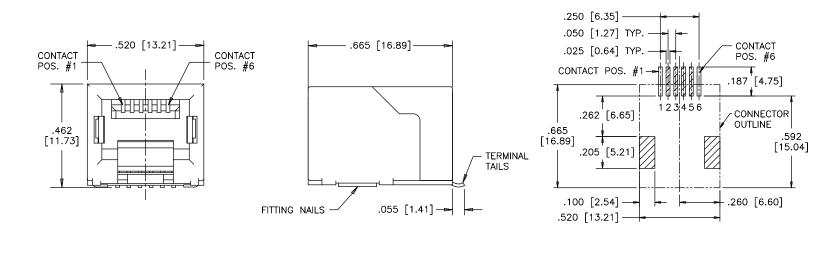


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RJLSE TAB DOWN, ULTRA LOW PROFILE

RJLSE-6X061-01

Single Port Non-Shielded



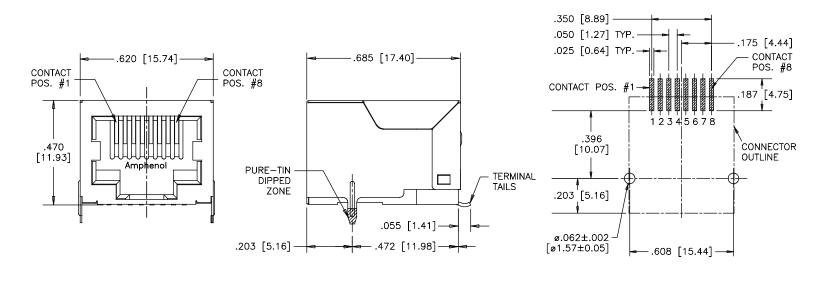
FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT

Shielded

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 Block. No board layout changes are required for its use. Simply replace the standard non-filtered connector for superior EMC performance.



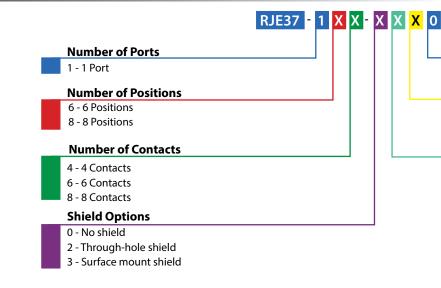
SPECIFICATIONS

Material	
Insulator:	High 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

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

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



M	odií	fier	

0 - Standard product

Panel Stop Options

1 - Without panel stop

2 - With panel stop (must have for shield)

Contact Plating

- 0 6µ" gold plating
- $1 15\mu''$ gold plating $2 30\mu''$ gold plating
- 3 50µ" gold plating

Didn't find what you were looking for?

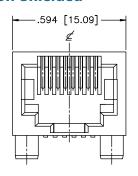
Please contact sales@amphenolcanada.com and let us know what you need.

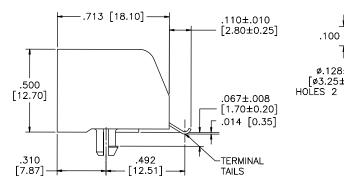
RJE07-188-0X10

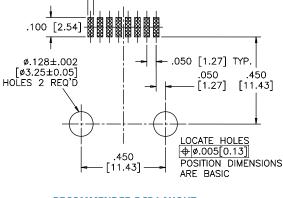
RJE07-188-3X20



Single Port Non-Shielded





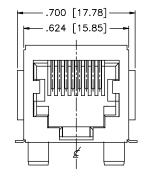


-.030 [0.76] TYP.

RECOMMENDED PCB LAYOUT

Surface Mount Shield

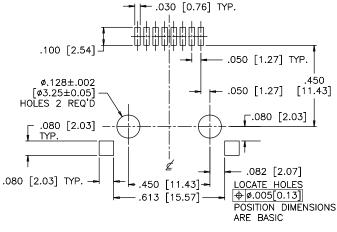
FRONT VIEW



.722 [18.33] .105 [2.67] .050 [1.27] .010 [0.25] Ħ F

SIDE VIEW

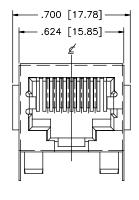
SIDE VIEW



RECOMMENDED PCB LAYOUT

Through-Hole Shield

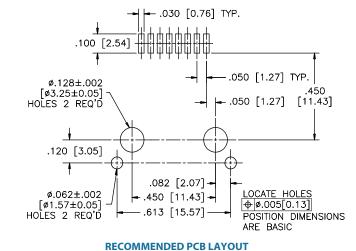
FRONT VIEW



.722 [18.34] .105 [2.67] .004 [0.10] F .120 [3.05] .322 [8.18]

SIDE VIEW

RJE07-188-2X20



FRONT VIEW



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.



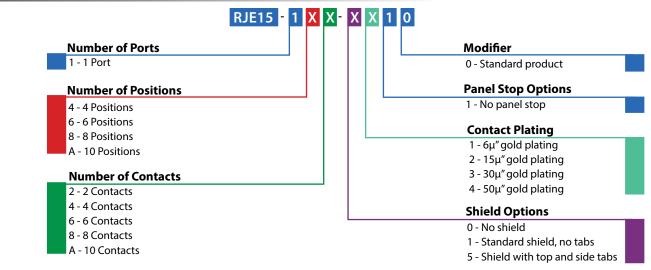
SPECIFICATIONS

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

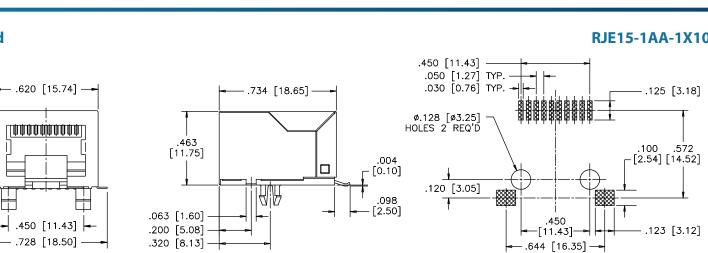
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Notes

Shielded

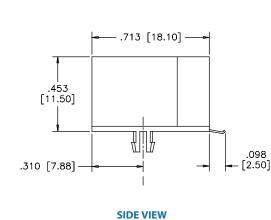
.579 [14.70]

RJE15-1AA-1X10



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

Ø.128 [Ø3.25] HOLES 2 REQ'D



SIDE VIEW

Single Port Non-Shielded

—.592 [15.03] —

Amphenol

FRONT VIEW

FRONT VIEW



.450 -[11.43]

RECOMMENDED PCB LAYOUT

RECOMMENDED PCB LAYOUT

RJE15-1AA-0X10

.125 [3.18]

.452 [11.47]

SURFACE MOUNT

RJE56 TAB DOWN, RJ45

TAB DOWN, RJ 45

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.

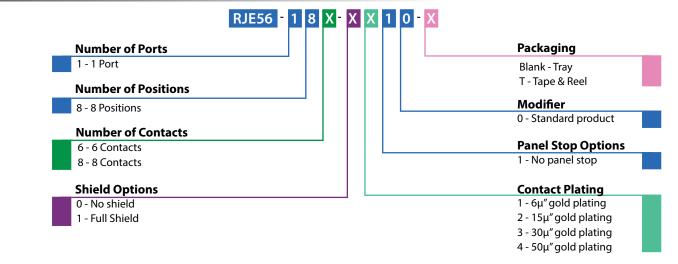


SPECIFICATIONS

Material				
Insulator:	PBT mat	PBT material; complies with UL 940-0; Black		
Contacts:	acts: 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:	Stainless steel			
Electrical				
Contact Resist	ance	20 mΩ max.		
Insulation res	istance:	500 $M\Omega$ min. at 500V DC for 2 mins max.		
Current Rating	g:	1.5 Amps per contact		
Voltage Rating	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?

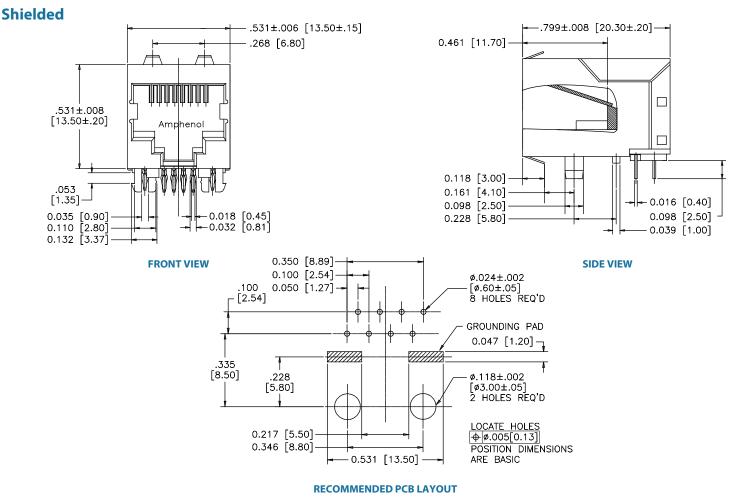
47

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RJE56-188-1X10

RJE56 TAB DOWN, RJ45

Single Port



Notes

SINGLE PORT, SLIM PROFILE

RJE06

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:	Ū,	ing theromplastic;	Insertion Force:	5 lbs max.
•		s with UL 94V-0; Black	Pull Retention Force:	20 lbs min.
options (on conta		r bronze hard temper with gold thickness 6μ", 15μ", 30μ", 50μ") over 50μ" min. nickel	Durability:	750 mating & unmating cycles
		ct mating area; 100μ″ min. matte tin or gold ting on tail area	Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
Shield:	hield: Copper alloy; nickel plating overall		Operating Temperature:	-40°C to + 70°C
			UL File #:	E136228
Electrical	l		*Note: Connectors with high	temp. material are suitable for IR Reflow
Contact Res	istance	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		

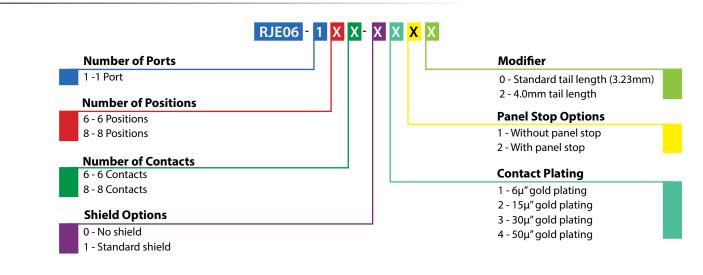
ORDERING INFORMATION

125 Volts AC

1000 VAC, 60 Hz. 1 min.

Voltage Rating:

DWV:



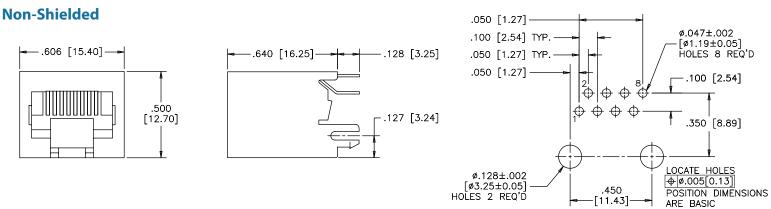
Didn't find what you were looking for?

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RJE06 SINGLE PORT, SLIM PROFILE

RJE06-188-0X10

Single Port



-.128 [3.25]

-.127 [3.24]

FRONT VIEW

.606 [15.40]-

.500

[12.70]

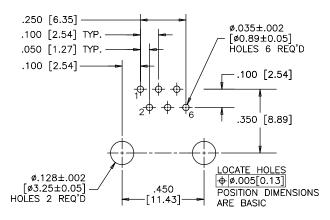
SIDE VIEW

.630 [16.00]

RECOMMENDED PCB LAYOUT

Non-Shielded

RJE06-166-0X10

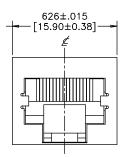


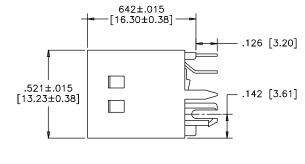
RECOMMENDED PCB LAYOUT

FRONT VIEW

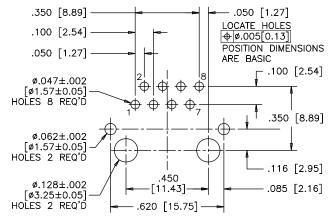
SIDE VIEW

Standard Shield





RJE06-188-1X10



FRONT VIEW

SIDE VIEW

RECOMMENDED PCB LAYOUT

SINGLE PORT, STANDARD PROFILE

RJE08

SINGLE PORT, STANDARD PROFILE

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



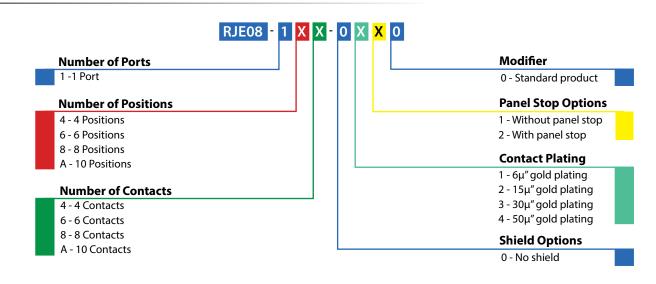
SPECIFICATIONS

Material

Material		
-	Engineering theromplastic; Complies with UL 94V-0; Black	
opt on o	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	
Electrical		
Contact Resistance	e 20 mΩ max.	
Insulation resistan	ce: 500 M Ω 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
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



Didn't find what you were looking for?

51

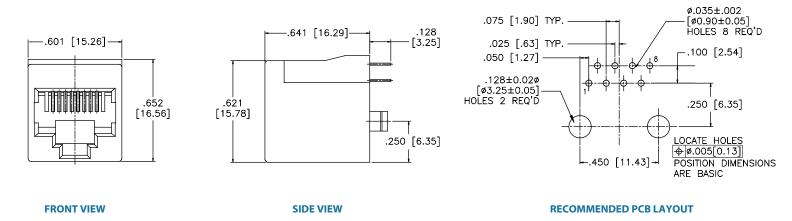
Please contact sales@amphenolcanada.com and let us know what you need.

SINGLE PORT, STANDARD PROFILE

RJE08

Single Port Non-Shielded

RJE08-188-0X10



Notes

SINGLE PORT, STANDARD PROFILE

RJE74

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

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		ss over $50\mu^{\prime\prime}$ min. nickel on contact mating	
Shield:	Stainless steel; pure tin dipped tail		
Electrical			
Contact Resist	tance	20 mΩ max.	
Insulation resistance:		500 $M\Omega$ min. at 500V DC for 2 mins max.	
Current Rating	g:	1.5 Amps per contact	

125 Volts AC

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:	Peaked at 260°C for 5 secs max.
Operating Temperature:	-55°C to + 85°C
*Note: Suitable for IR Reflow	

ORDERING INFORMATION

Voltage Rating:

DWV:

53

Number of Ports		Packaging
1 -1 Port	-	Blank - PBT, tray, without Mylar
		A - High temp housing, tray, without Mylar
Number of Positions		H - High temp housing, tape & reel with Myl
8 - 8 Positions		
A - 10 Positions		Modifier
		0 - Standard product
Number of Contacts		1 - With RMK4 keying
8 - 8 Contacts		Panel Stop Options
A - 10 Contacts		1 - No panel stop
Shield Options		i no panerstop
0 - No shield		Contact Plating
1 - Full shield		1 - 6µ" gold plating
		2 - 15µ" gold plating

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.

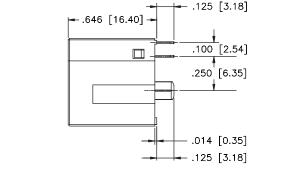
.638

16.20

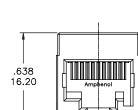
.658

[16.70]

Single Port



SIDE VIEW



.610

[15.50]

FRONT VIEW

Non-Shielded with Keying

.125 [3.18] .125 [3.18] .100 [2.54] .250 [6.35] .125 [3.18]

FRONT VIEW

.630

[16.00]

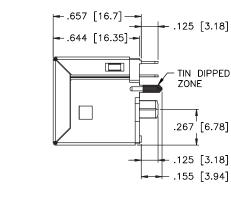
FRONT VIEW

.610

[15.50]

SIDE VIEW

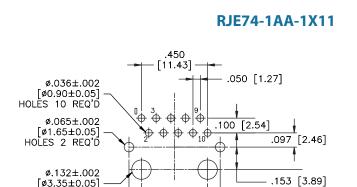
Shielded with Keying



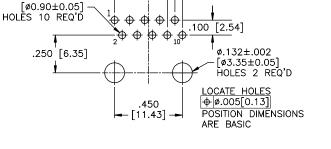
SIDE VIEW

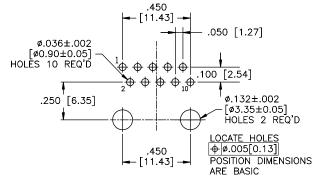


⊷.620 [15.75]



RECOMMENDED PCB LAYOUT





RECOMMENDED PCB LAYOUT

.450

-[11.43]

ø.036±.002

[ø3.35±0.05] HOLES 2 REQ'D

.450 [11.43]

RJE74-1AA-0X11

.050 [1.27]

LOCATE HOLES

| ← |ø.005[0.13]| POSITION DIMENSIONS

ARE BASIC

RJE74-1AA-0X10



RJE88 SINGLE PORT, LOW PROFILE, WITH LEDs

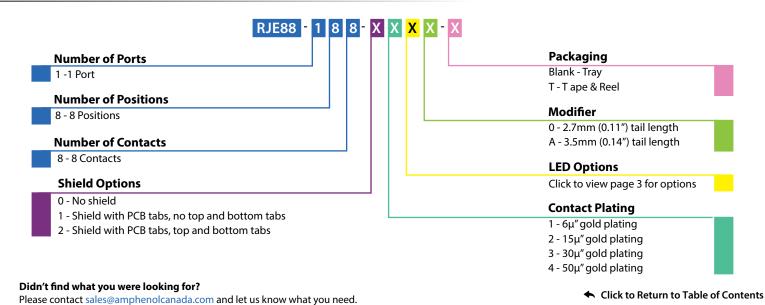
SINGLE PORT, LOW PROFILE, WITH LEDs

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	
5 .		theromplastic;	Contact Resistance	20 mΩ max.
	•	ith UL 94V-0; Black	Insulation resistance:	500 $M\Omega$ 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:	1.5 Amps per contact
		ing area; 100µ″ min. matte tin plating on	Voltage Rating:	125 Volts AC
	soldering tai		DWV:	1000 VAC, 60 Hz. 1 min.
Shield:	Stainless ste	el; pure tin dipped tail	LED Forward DC	20mA typical
LED:	Tin plating c	on LED tails	Current:	
Mechanica	ıl		LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 2mA (for bicolours)
Insertion Forc	e:	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)
Recommende Soldering Ten		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	nperature:	-55°C to + 85°C		Red: 625 \pm 5 nm measured at 20mAw
*Note: Connect	ors without LE	Ds are suitable for IR Reflow		

ORDERING INFORMATION



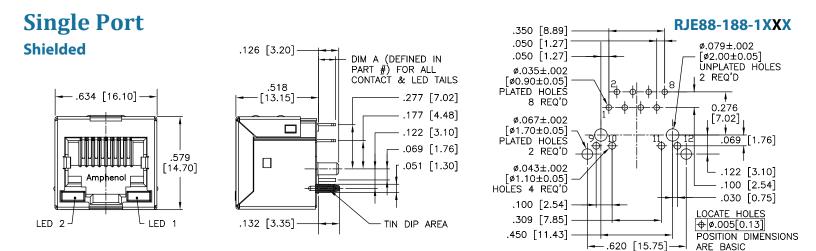
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SINGLE PORT, LOW PROFILE, WITH LEDs

RECOMMENDED PCB LAYOUT

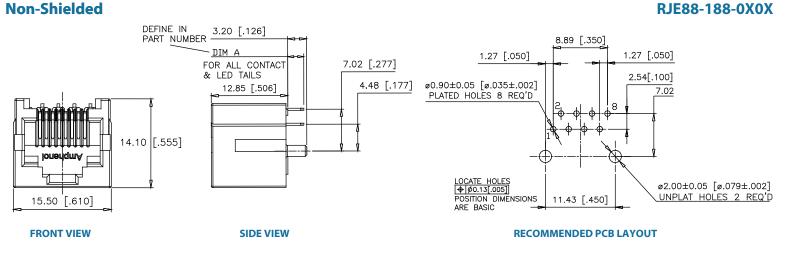
RJE88



FRONT VIEW

SIDE VIEW

RJE88-188-0X0X



Notes

SINGLE PORT, NARROW PROFILE

RJE1J

PORT, NARROW PROFILE

Basic 8P8C, 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

Voltage Rating:

DWV:

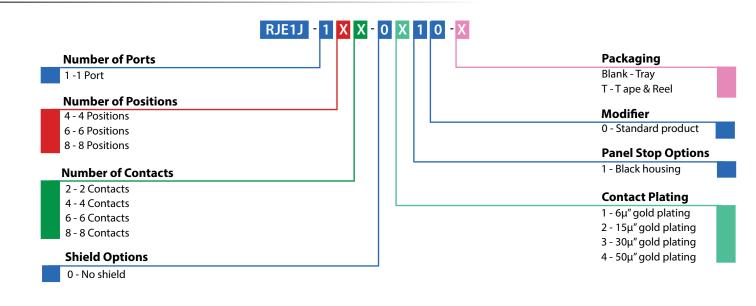
57

Material			Mechanical	
Insulator:	5	np. theromplastic;	Insertion Force:	5 lbs max.
•		es 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 tail	mating area; $100\mu''$ min. matte tin plating on	Recommended Soldering Temperature:	Wave soldering peaked at 260°C for 5 secs max.
			Operating Temperature:	-55°C to + 85°C
Electrical			*Note: Suitable for IR Reflow	
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		

ORDERING INFORMATION

125 Volts AC

1000 VAC, 60 Hz. 1 min.



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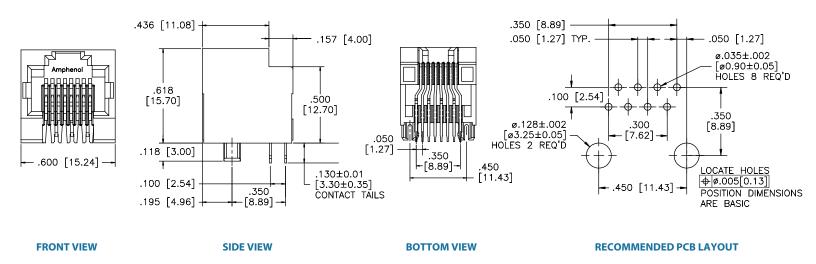


SINGLE PORT, NARROW PROFILE

RJE1J

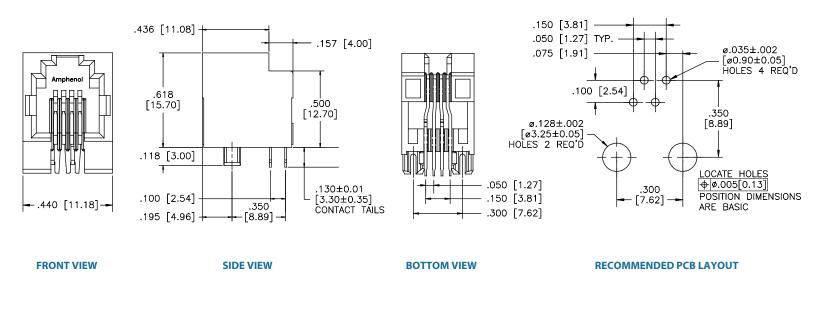
RJE1J-188-0X10

Single Port Non-Shielded



Non-Shielded

RJE1J-144-0X10



SINGLE PORT, SURFACE MOUNT

RJE23

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		

Electrical Contact Resistance

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:	1000 VAC, 60 Hz. 1 min.

ORDERING INFORMATION

			Packaging
			Blank - Tray
			T - Tape & Reel
			Modifier
			3 - Standard with solderplate & kapton ta
			4 - Standard with solderplate
			6 - Standard with solderplate inward
			Housing/Panel Stop Options
			1 - Black housing without panel stop
			2 - Black housing with panel stop
			2 black housing with panel stop
			Contact Plating
			1 - 6µ" gold plating
			2 - 15µ" gold plating
			3 - 30µ" gold plating

Didn't find what you were looking for?

59

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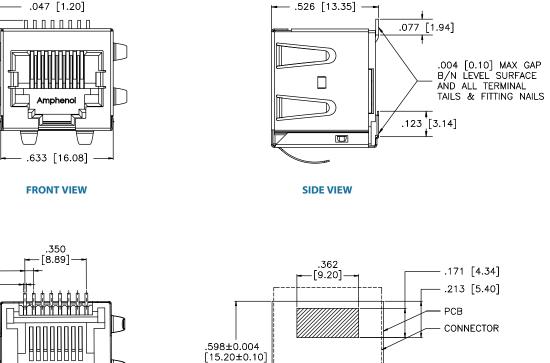


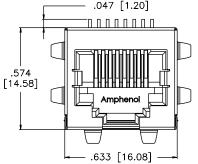
SINGLE PORT, SURFACE MOUNT

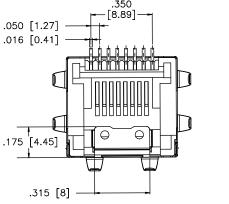
RJE23

RJE23-188-3X16

Single Port Shielded







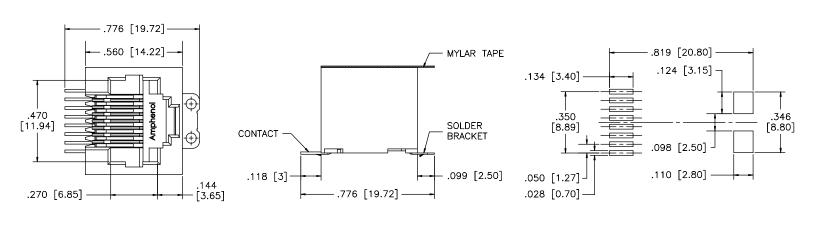


RJE23-188-0X13

.079 [2]

.118 [3]

.030+.002 [0.76+.05] OR .030-.001 [0.76-.02]



.050 [1.27]

.350 [8.89]

RECOMMENDED PCB LAYOUT

FRONT VIEW

Non-Shielded

SIDE VIEW

RECOMMENDED PCB LAYOUT

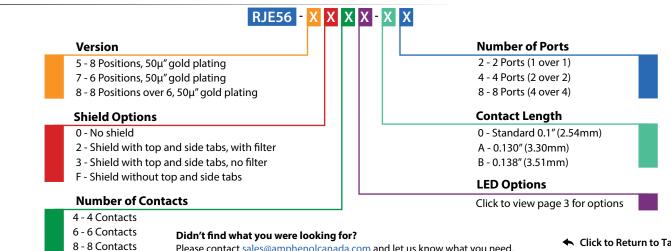
The RJSAE is a RJ45 stackable connector that reduces component and labor costs by incorporating LEDs. Its stackable feature enables more ports with the same board space. With superior EMI performance, the option of configuring your connector with a Ferrite Filter is available to further reduce crosstalk in noisy applications. A variety of LED combinations, port configurations and shielded and unshielded options also available.

SPECIFICATIONS

Material			Electrical	
5		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:	Phosphor bronze hard temper with gold thickness options (6μ", 15μ", 30μ", 50μ") over 50μ" min. nickel on		Current Rating:	1.5 Amps per contact
		ting area; 100 μ " min. matte tin plating on	Voltage Rating:	125 Volts AC
	tail		DWV:	Contact to contact: 1000 VAC, 60 Hz. 1 min.
Shield:	Copper alloy; nickel plated or stainless steel with tin dripped tail (as specified in drawing)		LED Forward DC Current:	20mA typical
LED: Tin plating on LED tail Mechanical		LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 2mA (for bicolours)	
Insertion For		5 lbs max.	LED Reverse Voltage:	5 Volts min.
Pull Retentio		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)
Recommende Soldering Ter		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 Red: 625 \pm 5 nm measured at 20mA
Operating Te	mperature:	-55°C to + 85°C		Red. 025 \pm 5 mm measured at 20mA
UL File #:		E136228		
CSA File #:		150190		

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

ORDERING INFORMATION



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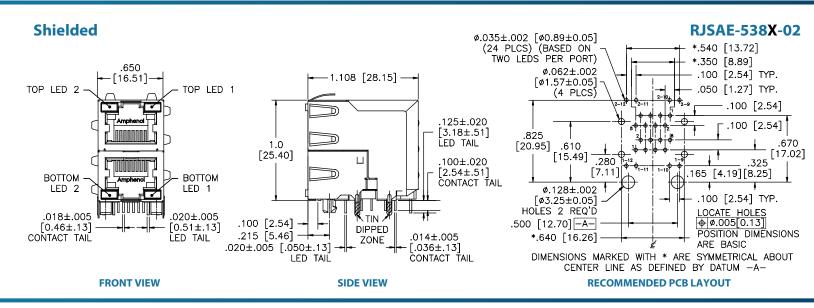
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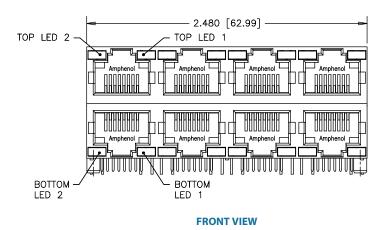


RJSAE

Single Port RJSAE-508X-02 .540 [13.72] **Non-Shielded** .100 [2.54] TYP. .100 [2.54] TYP. .165 [4.19] 620 .050 [1.27] TYP. ⊷[15.75]-⊳ - 1.078 [27.38]-.325 [8.25] TOP LED 2 -TOP LED 1 .825 .100 [2.54] .570 [30.95] TYP. [14.48] 990 .100 [2.54] .100 [25.15] [2.55] TYP ø.128±.002 .125 Ø.035±.002 [Ø0.89±0.05] HOLES 24 REQ'D (BASED [ø3.25±0.05] [3.18] HOLES 2 REQ'D ON 2 LEDS PER PORT) .075 [1.91] BOTTOM BOTTOM JB LOCATE_HOLES |♦|ø.005[0.13] .350 [8.89] LED 2 LED 1 .090 [2.29] .020 [0.51] POSITION DIMENSIONS .205 [5.21Z] .500 [12.70] ARE BASIC **FRONT VIEW SIDE VIEW RECOMMENDED PCB LAYOUT**



Multi Port Non-Shielded

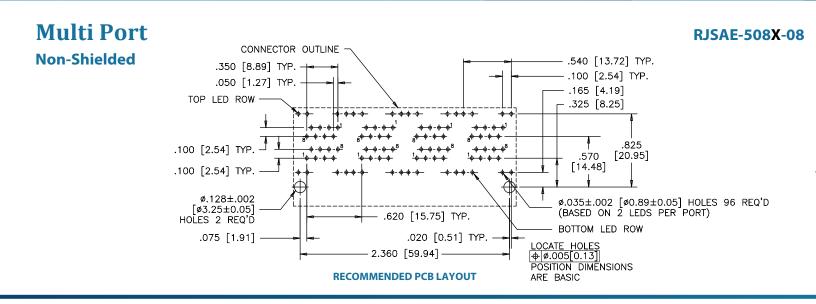


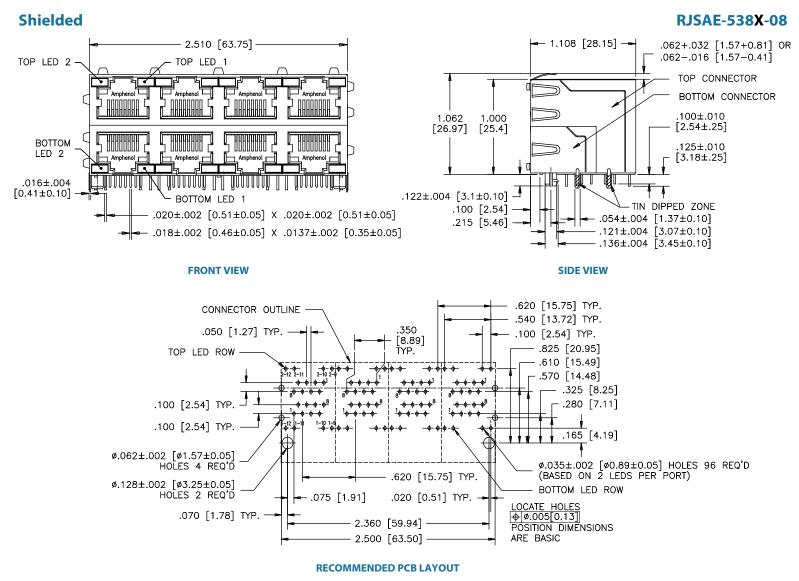
.990 [25.14] .090 [2.29] .090 [2.29] .090 [2.29] .005 [5.21]

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RJSAE-508X-08

RJSA





4 OVER 4 PORTS WITH LED AND SHIELD OPTIONS

RJSNE

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

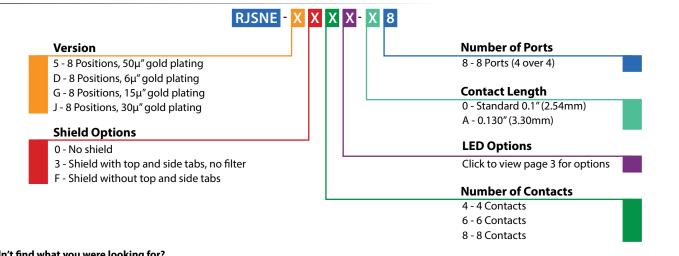
Material	
Insulator:	Engineering thermoplastic; Complies with UL 94V-0; Black
Contacts:	Phosphor bronze hard temper with gold thickness options (6μ ", 15μ ", 30μ ", 50μ ") over 50μ " min. nickel on contact mating area; 100μ " min. matte tin plating on tail
Shield:	Copper alloy; nickel plated or stainless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

Electrical
Contact Resistan

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



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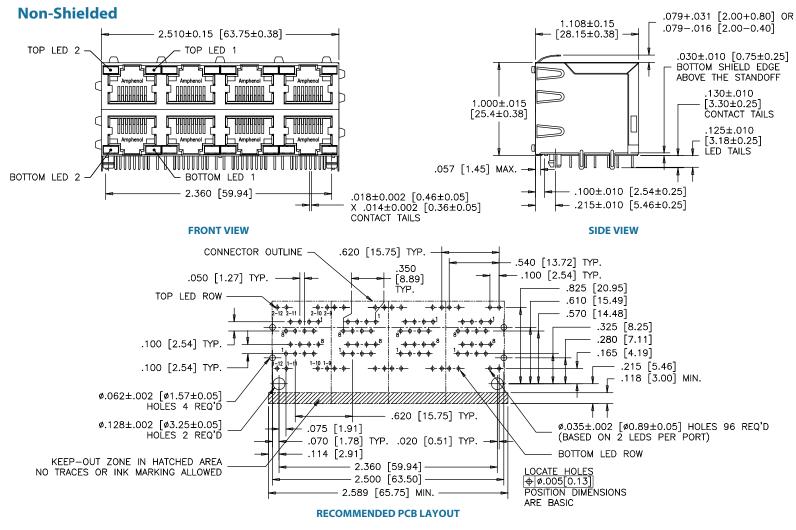
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Single Port

RJSNE

RJSNE-538X-X8



Notes

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

RJE48

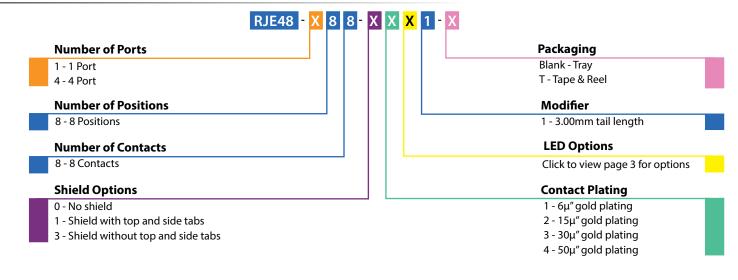
RIGHT ANGLED, LOW PROFILE, WITH LEDs

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			Electrical	
Insulator:	High temp. thermoplastic;		Contact Resistance	20 mΩ max.
	•	th UL 94V-0; Black	Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.
Contacts:	•	onze hard temper with gold thickness , 15μ", 30μ", 50μ") over 50μ" min. nickel on	Current Rating:	1.25 Amps per contact
	contact mating area; $100\mu^{\prime\prime}$ 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 Tin plating on LED tail		LED Forward DC	20mA typical
LED:			Current:	
			LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)
Mechanica	al		LED Reverse Voltage:	5 Volts min.
Insertion Fore	ce:	5 lbs max.	LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single
Pull Retention Force:		20 lbs min.	- ,	colours)
Durability:		750 mating & unmating cycles		0.5 mcd min. at 2mA (for bicolours)
Recommende Soldering Ten		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 Red: 625 \pm 5 nm measured at 20mA
Operating Ter	mperature:	-55°C to + 85°C		

ORDERING INFORMATION



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

Single Port

RJE48

Shielded

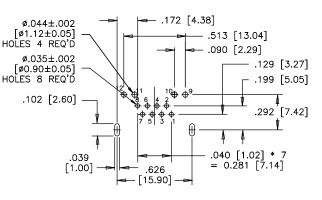
FRONT VIEW



TOP VIEW

.470 [11.95]

SIDE VIEW



RECOMMENDED PCB LAYOUT

Multi Port

67

Shielded - .563 [14.3] * 3 = 1.69 [42.9]-🗕 .815 [20.70] — .039 LED 2 (LEFT) LED 1 [1.00] (RIGHT) E È Amphenol Amphenol Amphenol Amphenol C .470 [11.95] μ 32³¹30²⁹2 .118 [3.00] Ц .472 [11.98] 2.28 [57.80] TIN DIPPING .592 [15.05] **FRONT VIEW SIDE VIEW** Ø 044+ 002 [ø1.12±0.05] .153 [3.88] .563 [14.3] * 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 241 \$ ŧ. ⊕³⁵ 34 32 30 28 26 ⊕ ⊕ ⊕ ⊕ **1**__2^1 42 40 38 **4 ∂** .292 $\varphi \varphi \varphi \varphi$ 29 27 25 Ф [7.42] Amphenol Δ .121 [3.07] 1.13 [28.60] .218 [5.42] ATATA .102 [2.60] ø.098±.002 - .199 [5.05] .513 [13.04] [ø2.50±0.05] .129 [3.27] .575 [14.60] HOLES 2 REQ'D .040 [1.02] * 7 = 0.281 [7.14] 2.29 [58.10] .039 [1.00] 2.28 [57.80] **TOP VIEW RECOMMENDED PCB LAYOUT**

RJE48-188-1XX1

RJE48-488-1XX1

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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.

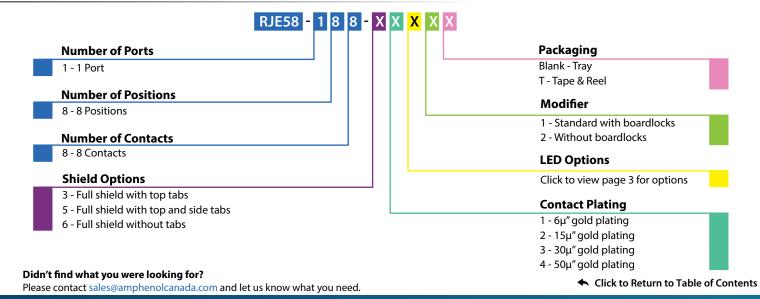
SPECIFICATIONS

Material		Electri
Insulator:	High temp. thermoplastic;	Contact I
	Complies with UL 94V-0; Black	Insulatio
Contacts:	Phosphor bronze hard temper with gold thickness options (6µ", 15µ", 30µ", 50µ") over 50µ" min. nickel on	Current F
	contact mating area; $100\mu''$ min. matte tin plating on	Voltage I
	solder tails	DWV:
Shield:	Stainless steel with tin dipped tails	LED Forw
LED:	Tin plating on LED tail	Current:
		LED Forw
Machania		
Mechanic		LED Reve
Incortion For	5 lbs max	

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

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

ORDERING INFORMATION



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RJE58

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

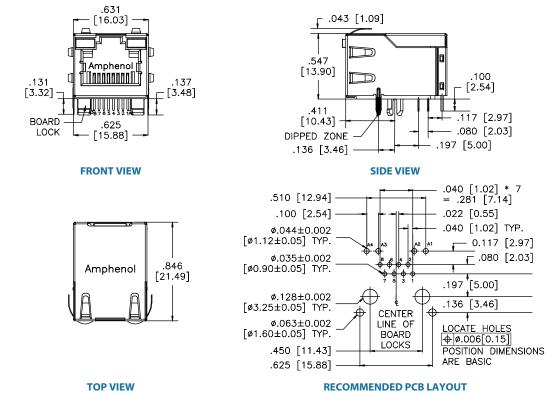
Single Port

RJE58

631 **Shielded - Option 3** .043 [1.09] 16.03] .547 mphenol [13.90] .100]]aaaaaaaa]]] .131 [3.32] 137 [2.54] [3.48] Į .411 .117 [2.97] BOARD [10.43] .625 .080 [2.03] LOCK [15.88] DIPPED ZONE .197 [5.00] .136 [3.46] **FRONT VIEW SIDE VIEW** .040 [1.02] * 7 .510 [12.94] = .281 [7.14] .100 [2.54] .022 [0.55] .040 [1.02] TYP. ø.044±0.002 [ø1.12±0.05] TYP. - 0.117 [2.97] .080 [2.03] ø.035±0.002 .846 Amphenol [Ø0.90±0.05] TYP. [21.49] .197 [5.00] ø.128±0.002 ß .136 [3.46] [ø3.25±0.05] TYP. ¢ CENTER ø.063±0.002 LINE OF LOCATE HOLES

TOP VIEW

RJE58-188-5XX1



[ø1.60±0.05] TYP.

.450 [11.43]

.625 [15.88]

BOARD

LOCKS

RECOMMENDED PCB LAYOUT

♦ø.006[0.15]

ARE BASIC

POSITION DIMENSIONS

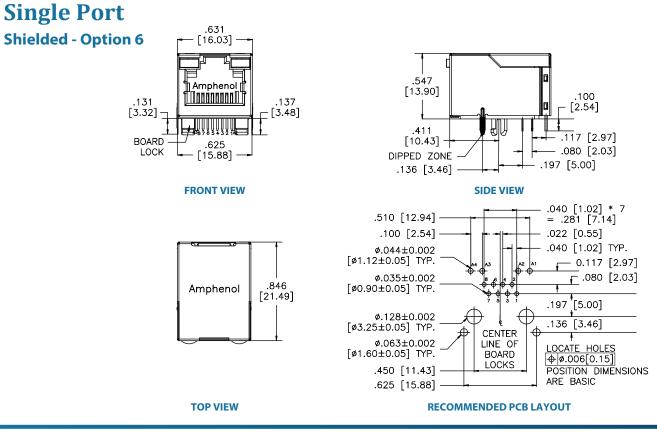
RJE58-188-3XX1

Shielded - Option 5

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

RJE58-188-6XX1

RJE58



Notes

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.

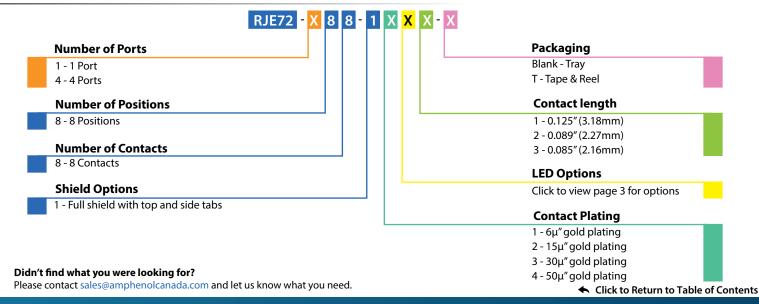
SPECIFICATIONS

Material			Electrical	
Insulator:	High temp. thermoplastic;		Contact Resistance	20 mΩ max.
	Complies with UL 94V-0; Black		Insulation 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
			Voltage Rating:	125 Volts AC
			DWV:	1000 VAC, 60 Hz. 1 min.
Shield: LED:	Stainless steel with tin dipped tails Tin plating on LED tail		LED Forward DC Current:	20mA typical
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
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 Temperature:		-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

71



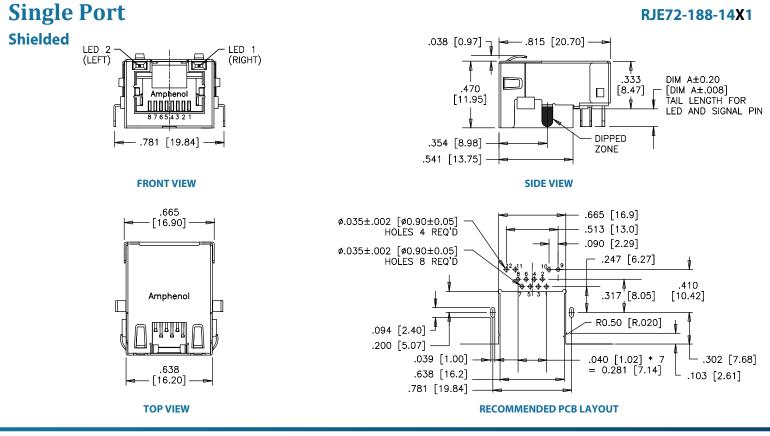
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CAT 5e, RIGHT ANGLE, RECESSED, LOW PROFILE WITH LEDs

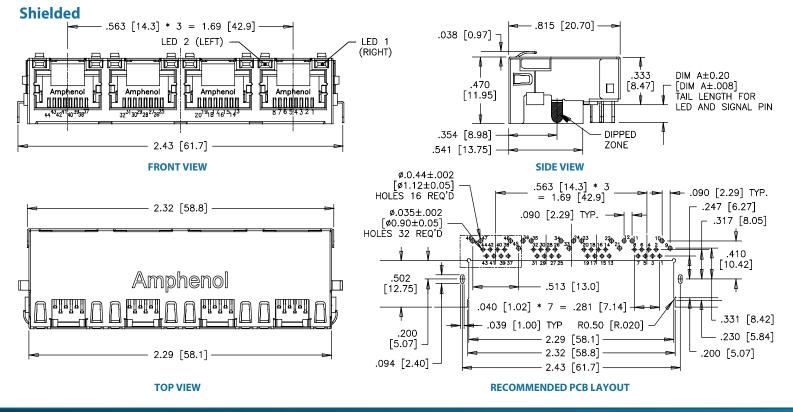
RJE72-188-14X1

RJE72



Multi Port

RJE72-488-14X1



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SINGLE PORT, LOW PROFILE, WITH LEDs

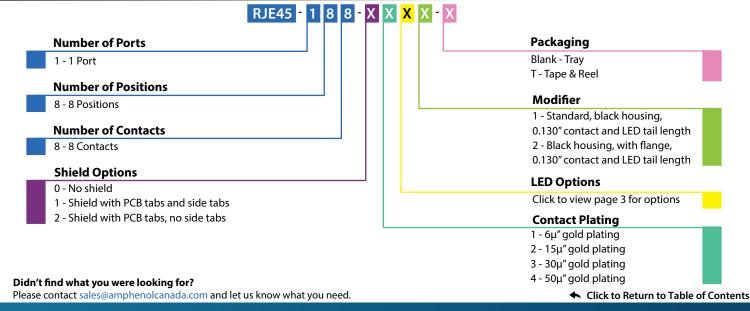
The RJE45 series of modular jacks meet CAT 6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols and 10 Gig links in applications up to 50m. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.

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 ste	Stainless steel with tin dipped tails		
LED:	Tin plating	Tin plating on LED tail		
Mechanica	ıl			
Insertion Fore	ce:	5 lbs max.		
Pull Retention	n Force:	20 lbs min.		
Durability:		750 mating & unmating cycles		
Recommende Soldering Ten		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 Ter	mperature:	-55°C to + 85°C		
*Note: Multiple exposures not recommended				

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

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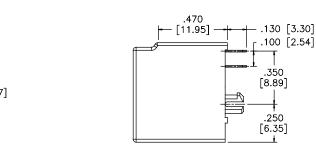
73

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

RJE45-188-0X01







.100 [2.54]

.050 [1.27]

ø.035±0.002

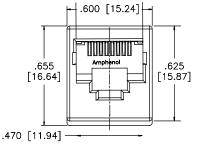
[Ø0.90±0.05] HOLES 8 REQ'D

ø.128±0.002

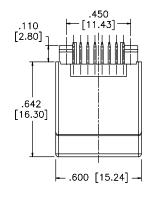
[ø3.25±0.05]

HOLES 2 REQ'D

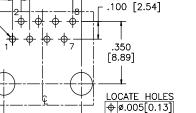
SIDE VIEW



FRONT VIEW



TOP VIEW



.350 [8.89]

.050 [1.27]

POSITION DIMENSIONS

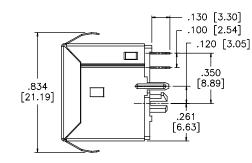
ARE BASIC

RECOMMENDED PCB LAYOUT

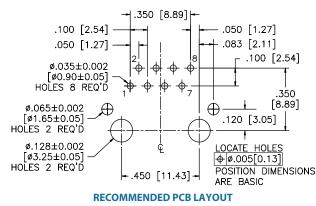
.450

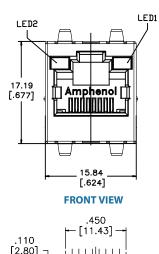
[11.43]

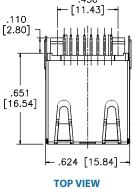
Shielded



SIDE VIEW







RJE45-188-1XX1

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.

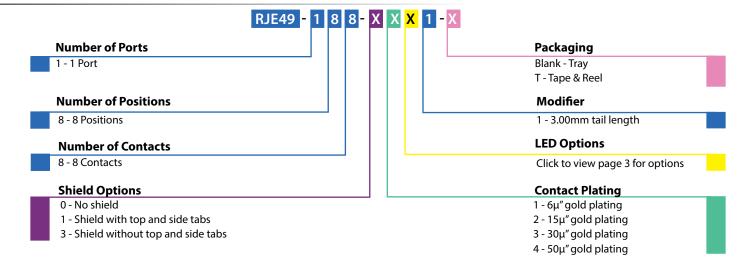
SPECIFICATIONS

RJE49

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		
Mechanica	ıl		
Insertion Fore	:e:	5 lbs max.	
Pull Retention	n Force:	20 lbs min.	
Durability:		750 mating & unmating cycles	
Recommende Soldering Ten		Wave soldering peaked at 260°C for 5 secs max.	
Operating Ter	nperature:	-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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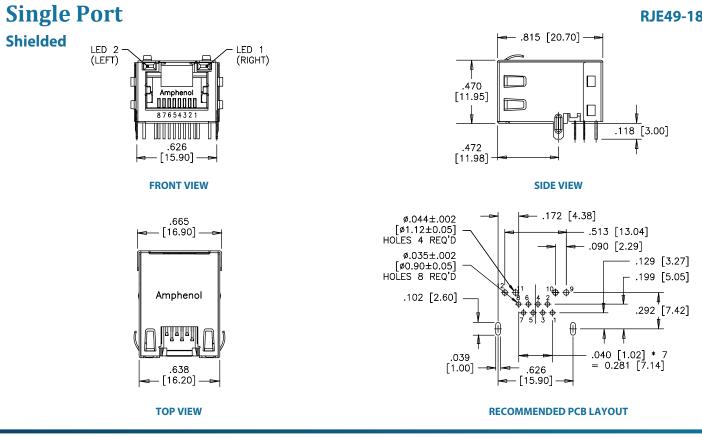
75

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

CAT 6, RIGHT ANGLE, LOW PROFILE, WITH LEDs

RJE49-188-1XX1

RJE49



RIGHT ANGLE, STANDARD PROFILE, WITH LEDs

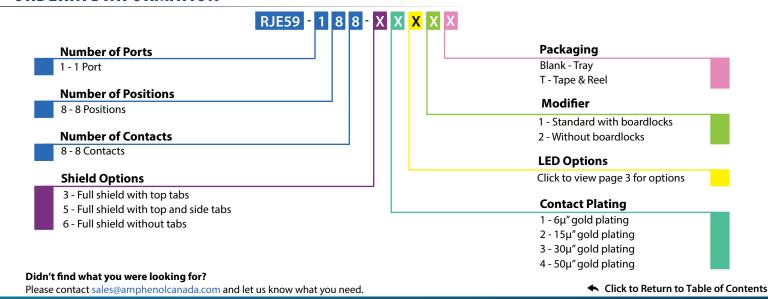
The RJE59 series of modular jacks meet CAT 6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding is available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material				Electrical	
Insulator:	High temp. thermoplastic; Complies with UL 94V-0; Black		Contact Resistance	20 mΩ max.	
Contacts:	•		thicknoss	Insulation resistance:	500 M Ω min. at 500V DC for 2 mins max.
Contacts:				Current Rating:	1.25 Amps per contact
	contact ma solder tails			Voltage Rating:	125 Volts AC
				DWV:	1000 VAC, 60 Hz. 1 min.
Shield:		eel with tin dipped tails		LED Forward DC	20mA typical
LED:	Tin plating	on LED tail		Current:	
Mechanica	al			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.		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 2 10 secs max. for one cycle w defect rate of no more than	ith an LED	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 exposures not recommended; IR Reflow compatible version also available; Consult factory for details

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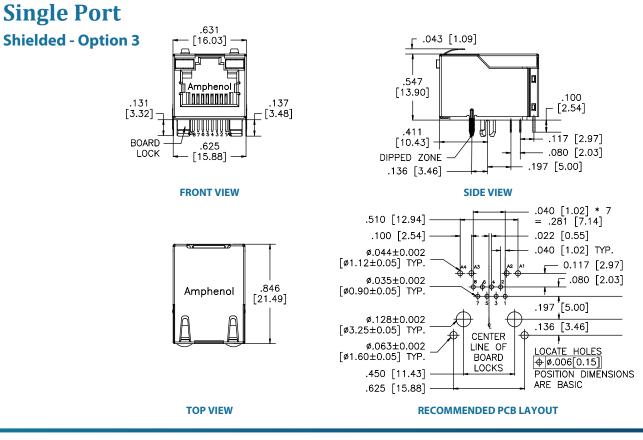




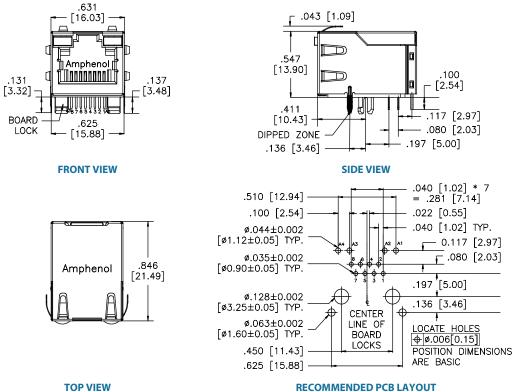
CAT 6, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

RJE59-188-3XX1

RJE59



Shielded - Option 5



RJE59-188-5XX1

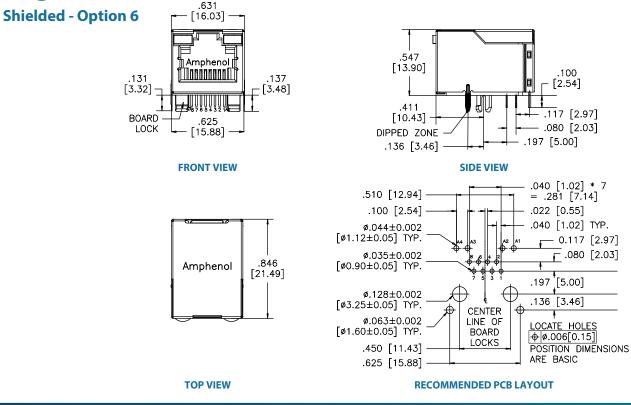
TOP VIEW

CAT 6, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

Single Port

RJE59

RJE59-188-6XX1



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

RIGHT ANGLED, RECESSED, LOW PROFILE, WITH LEDs

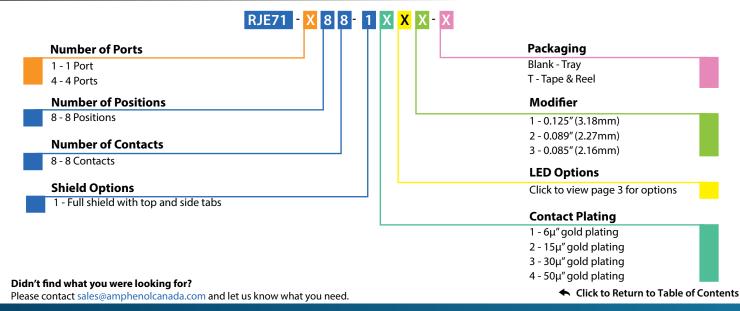
The RJE71 series of modular jacks meet CAT 6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding available for increased EMI performance and LEDs for link activity and network speed verification.

SPECIFICATIONS

Material				Electrical		
Insulator:	5			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			1.25 Amps per contact	
	contact mat solder tails	ting area; $100\mu''$ min. matte tin plating on		Voltage Rating:	125 Volts AC	
				DWV:	1000 VAC, 60 Hz. 1 min.	
Shield: LED:	Shield:Stainless steel with tin dipped tailsLED:Tin plating on LED tail			LED Forward DC Current:	20mA typical	
Mechanic				LED Forward Voltage:	1.9 Volts max. at 2mA (for single colours) 2.6 Volts max. at 20mA (for bicolours)	
Insertion Fo	rce:	5 lbs max.		LED Reverse Voltage:	5 Volts min.	
Pull Retentio	on Force:	20 lbs min.		LED Light Intensity:	0.4 to 1.5 mcd min. at 2mA (for single	
Durability:		750 mating & unmating cycles	nating & 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 Temperature:		-55℃ to + 85℃			Red: 625 \pm 5 nm measured at 20mA	
UL File:		E135615				

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

ORDERING INFORMATION

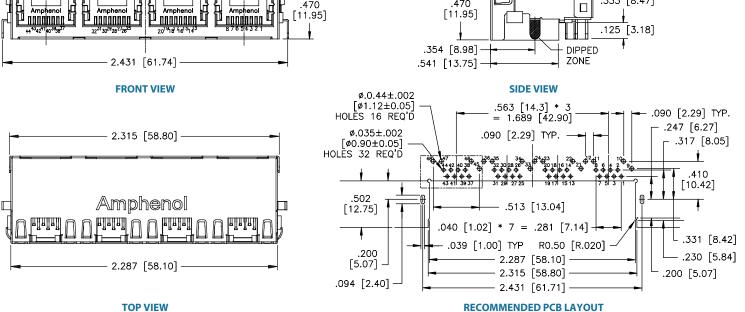


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RJE71

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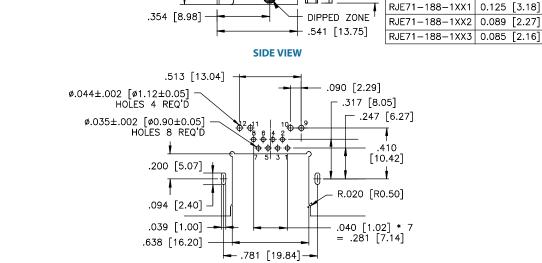
LED 1 (RIGHT)

470

[11.95]

RJE71-488-1XX1

.333 [8.47]



.038 [0.97]

.470

[11.95]

-.815 [20.70]

RECOMMENDED PCB LAYOUT

- .815 [20.70]-

.038 [0.97]

470

[11.95]

.3่33 [8.47]

Shielded

RJE71-188-1XXX

DIM A

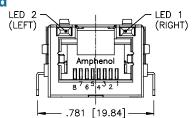
0.125 [3.18]

DIM A±0.20 [DIM A±.008] TAIL LENGTH FOR LED AND SIGNAL PIN

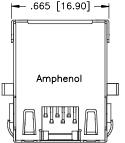
Part Number



Single Port







TOP VIEW

.563 [14.3] * 3 = 1.689 [42.90]-

ជ្រ

Amphenol

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LED 2 (LEFT)

-.638 [16.20]

Multi Port

Shielded

Amphe

ជ

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

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.

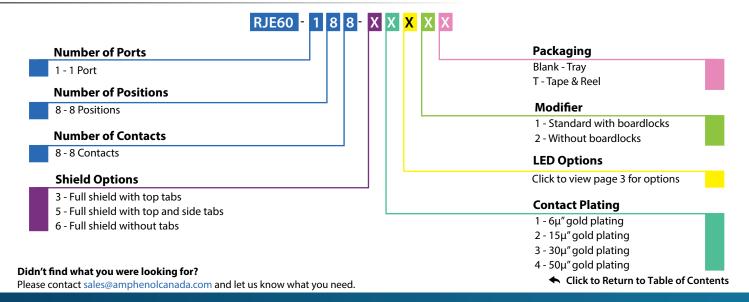
RJE60

SPECIFICATIONS

Material			Electrical	
Insulator:	. .	thermoplastic;	Contact Resistance	20 mΩ max.
	Complies with 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
	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: LED:	I: Stainless steel with tin dipped tails Tin plating on LED tail		LED Forward DC Current:	20mA typical
Mechanie	cal		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.		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
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 Temperature: -55°C to + 85°C				
XALLAN AA. It's				

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

ORDERING INFORMATION



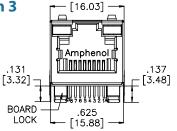
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CAT 6A, RIGHT ANGLE, STANDARD PROFILE, WITH LEDS

Single Port

Shielded - Option 3

RJE60



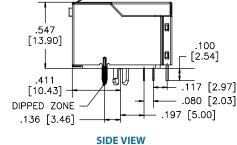
FRONT VIEW

Amphenol

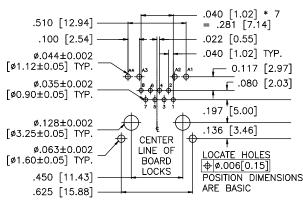
.846

[21.49]

.631



.043 [1.09]



TOP VIEW

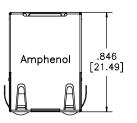
RECOMMENDED PCB LAYOUT

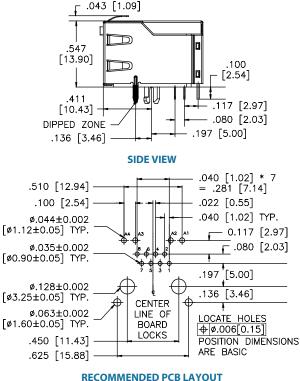
Shielded - Option 5

83

.131 [3.32] BOARD LOCK [15.88]

FRONT VIEW





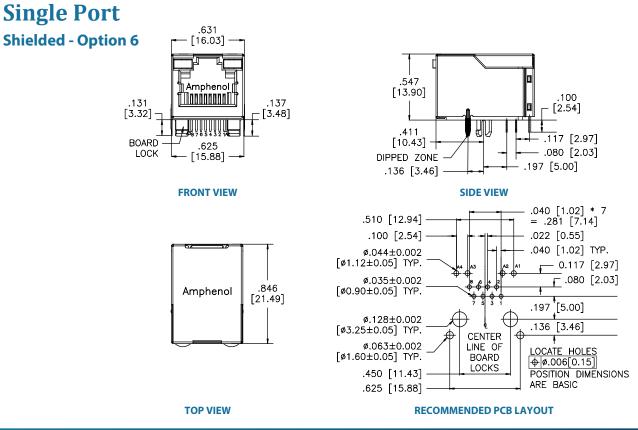
TOP VIEW

RJE60-188-3XX1

RJE60-188-5XX1

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

RJE60-188-6XX1





RJ45 COUPLER

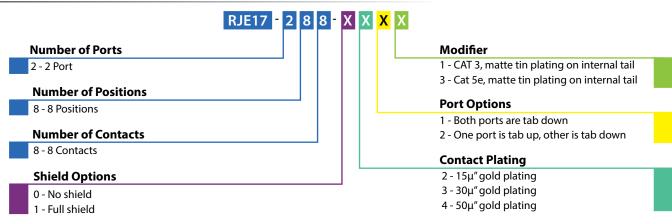
The RJE17 coupler provides connections through barriers such as equipment covers and panels. They are locked into place with a panel latch for secure mounting. Available in CAT 3 and CAT 5e performance. The added shielding provides optional EMI protection.

SPECIFICATIONS

Material			
	Engineering thermoplastic; Complies with UL 94V-0; Black		
	Phosphor bronze hard temper with several gold thickness options over $50\mu''$ min. nickel on contact mating area (refer to drawing below)		
Shield:	Stainless steel with tin dipped tails		
Electrical			
Contact Resista	ince 2	20 mΩ max.	
Insulation resis	tance:	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.	

Mechanical	
Insertion Force:	5 lbs max.
Pull Retention Force:	20 lbs min.
Durability:	750 mating & unmating cycles
Operating Temperature:	-40°C to + 70°C
Operating Temperature:	-40°C to + 85°C

ORDERING INFORMATION



Didn't find what you were looking for?

85

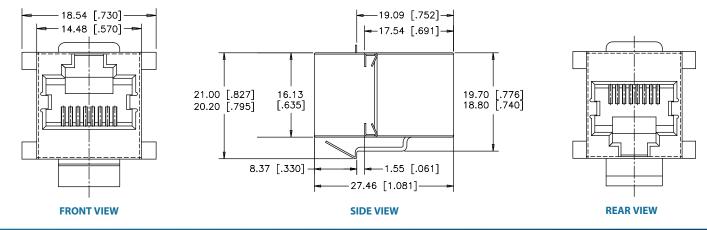
Please contact sales@amphenolcanada.com and let us know what you need.

RJE17 RJ45 COUPLER

Single Port

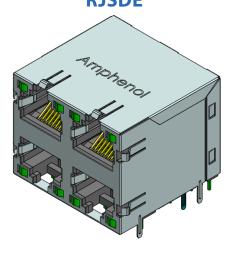
RJE17-288-1X21



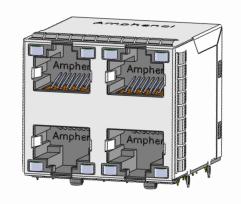


STACKED

RJSDE



RJSGE



RJSFE



87

RJE36 (RJ over USB)



HIGH PERFORMANCE

CAT 5e

RJE1A



RJE2A



CAT 6

RJE1B



CAT 6A

RJE7B



RJE1C



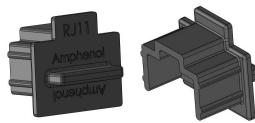
RJE50



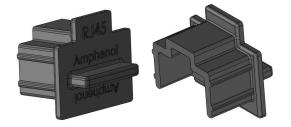
DUST COVERS & OTHERS

Dust Covers

FRJ-2611



FRJ-2411



Other

89

RJE29









605 Milner Avenue Toronto, Ontario Canada, M1B 5X6

www.amphenolcanada.com Telephone: (416) 291-4401 Fax: (416) 754-8668 E-mail: sales@amphenolcanada.com

All specifications are subject to change without notice.