

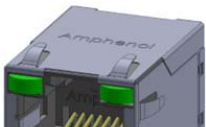
Now you're connected!

About Amphenol Commercial Products

Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.

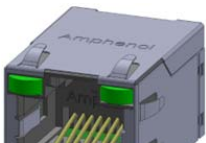
Related Products

RJE58

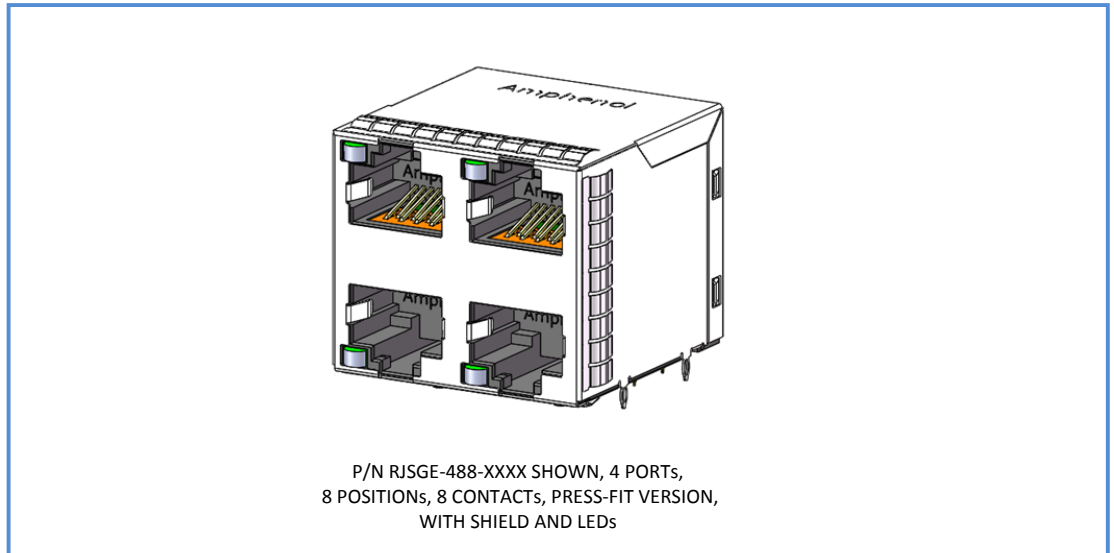


P/N RJE58-188-5XX1 SHOWN
SINGLE PORT, 8 POSITIONS,
WITH SHIELD AND LEDS
CAT5e

RJE59



P/N RJE59-188-5XX1 SHOWN
SINGLE PORT, 8 POSITIONS,
WITH SHIELD AND LEDS
CAT6



P/N RJSGE-488-XXXX SHOWN, 4 PORTS,
8 POSITIONS, 8 CONTACTS, PRESS-FIT VERSION,
WITH SHIELD AND LEDS

Overview

This product specification defines the general use and performance parameters for Amphenol's RJSGE series of modular jacks.

Availability: 2x2 port connectors available with a wide variety of LED and shielding options.

Usage

The RJSGE series of modular jacks meet CAT5e performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols. Shielding available for increased EMI performance and LEDs for Link Activity and Network Speed verification.

Applications

Intended for use in applications such as:
Networking & Telecom

- Wireless (WiMAX)
- Network servers
- Hubs, routers, switches

Office & Home Equipment

- PC's, Laptops, Copiers/Printers
- Telephones, modems
- Surge Protectors
- ATMs, Vending Machines

- Security Systems
- Set Top Boxes
- Video Game Systems

Miscellaneous

- Multi-Media Equipment
- Industrial Equipment
- POS Terminals

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Related Products

RJE1A



P/N RJE1A-188-5XX1 SHOWN
SINGLE PORT, 8 POSITIONS,
WITH SHIELD AND LEDs
CAT5e

RJE60



P/N RJE60-188-5XX1 SHOWN
SINGLE PORT, 8 POSITIONS,
WITH SHIELD AND LEDs
CAT6A

Electrical Characteristics

Contact resistance:	20 mΩ max.
Insulation resistance:	500 MΩ minimum at 500V DC for 2 minutes max.
Current rating:	1.25 Amps
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. @ 2mA (for single colors) 2.6 Volts max. @ 20mA (for Bi-colors)
LED reverse voltage:	5 Volts Maximum
LED light intensity:	0.4 to 1.5 mcd @ 2mA (for single colors) 0.5 mcd min. @ 2mA (for Bi-colors)
LED wave length:	Yellow: 587± 7 nm measured @ 20mA Green: 570± 5 nm measured @ 20mA Red: 625± 5 nm measured @ 20mA

CATEGORY 5e Characteristics

Frequency MHz	Near-end Crosstalk dB Min.	Return Loss dB Min.	Attenuation dB Max.
1.0	65	30	0.1
4.0	65	30	0.1
8.0	64.9	30	0.1
10.0	63	30	0.1
16.0	58.9	30	0.2
20.0	57	30	0.2
25.0	55	30	0.2
31.25	53.1	30	0.2
62.5	47.1	24.1	0.3
100.0	43	20	0.4

Mechanical Characteristics

Mating connector insertion force:	5.0 lbs. Maximum.
Mating connector pull retention force:	20 lbs Minimum.
Durability:	750 mating & unmating cycles
Operating temperature:	-55° C to +85° C

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Related Products

RJE1B



P/N RJE1B-188-5XX1 SHOWN
SINGLE PORT, 8 POSITIONS,
WITH SHIELD AND LEDs
CAT6

Material Requirements

RJSGE connectors are RoHS compliant.

Unless otherwise specified, the materials for each component shall be:

Insulator:

- High Temp thermoplastic. Complies with UL 94V-0, Black color

Contacts:

- Phosphor Bronze hard temper with gold thickness options (6 μ " , 15 μ " , 30 μ " , 50 μ ") over 50 μ " minimum Nickel on contact mating area.
- 100 μ " minimum matte tin plating on solder tails

Shield:

- Stainless steel with press-fit tails

LED:

- Press-fit with tin plating on LED tails

Available Documents

Drawing Numbers:

P-RJSGE-488-7XX1	2X2 port, stackable, Cat5e Modular Jack, 8 Positions, with LEDs ,Shielded with EMI tabs, press-fit version
P-RJSGE-488-7X01	2X2 port, stackable, Cat5e Modular Jack, 8 Positions, without LEDs, Shielded with EMI tabs, press-fit version
P-RJSGE-488-6XX1	2X2 port, stackable, Cat5e Modular Jack, 8 Positions, with LEDs , Shielded without EMI tabs, press-fit version
P-RJSGE-488-6X01	2X2 port, stackable, Cat5e Modular Jack, 8 Positions, without LEDs , Shielded without EMI tabs, press-fit version

Contact factory or Authorized Amphenol representative for additional configurations.