

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

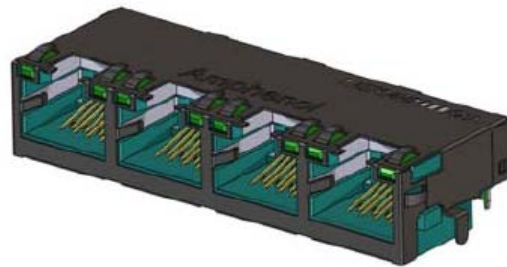


P/N RJE58-188-5XX1 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LEDS
CAT5e

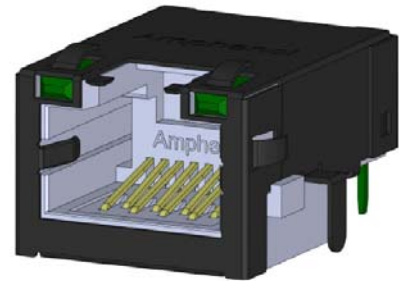
RJE59



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



P/N RJE72-488-1XXX SHOWN
4 PORT, 8 POSITION,
WITH SHIELD AND LEDS



P/N RJE72-188-1XXX SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LEDS

Overview

This product specification defines the general use and performance parameters for Amphenol's RJE72 series of modular jacks.

Availability: Single and 1x4 port connectors available with a wide variety of LED and shielding options.

Usage

The RJE72 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

Consumer Goods

- 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 POSITION,
WITH SHIELD AND LEDs
CAT5e

RJE60



P/N RJE60-188-5XX1 SHOWN
SINGLE PORT, 8 POSITION,
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 minimum
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: 565± 6 nm measured @ 20mA Red: 625± 5 nm measured @ 20mA

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
Recommended soldering temperature:	IR reflow peaked at 260° C for 5 to 8 seconds.

Note: IR reflow is not recommended for connectors with LEDs.

Material Requirements

RJE72 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 (6μ", 15μ", 30μ", 50μ") over 50μ" minimum Nickel on contact mating area.
- 100μ" minimum matte tin plating on solder tails

Shield:

- Stainless steel with tin dipped tails

LED:

- Tin plating on LED tails

Available Documents

Drawing Numbers:

P-RJE72-188-1XXX

P-RJE72-288-1XXX

P-RJE72-488-1XXX

Single port Cat5e Modular Jack, 8 Position, with LEDs and Shield. Ultra low profile

Two Port Cat5e Modular Jack, 8 Position, with LEDs and Shield. Ultra low profile

Four Port Cat5e Modular Jack, 8 Position, with LEDs and Shield. Ultra low profile

Contact factory or Authorized Amphenol representative for additional configurations.