

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

RJSSE



P/N RJSSE-5381 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LIGHT PIPE

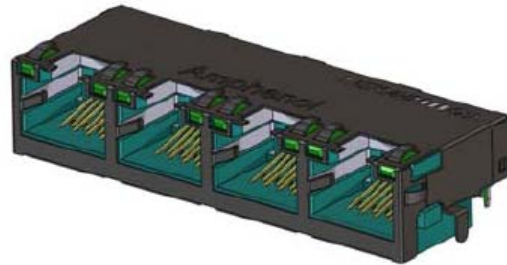
RJHSE



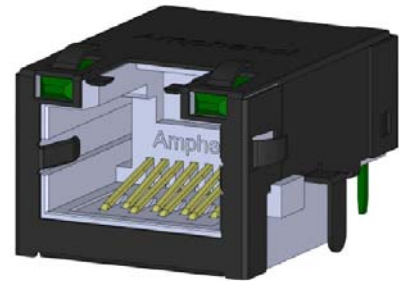
P/N RJHSE-3081 SHOWN
SINGLE PORT VERTICAL MOUNT,
NO SHIELD, WITH LEDs



P/N RJHSE-5385-02 SHOWN
TWO PORT REGULAR MOUNT,
WITH SHIELD AND LEDs



P/N RJE72-488-1453 SHOWN
4 PORT, 8 POSITION,
WITH SHIELD AND LEDs



P/N RJE72-188-11353 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

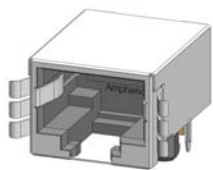
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Related Products

RJULE



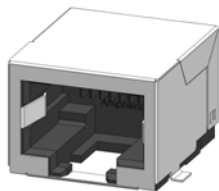
P/N RJULE-4X182-01 SHOWN
SINGLE PORT REGULAR MOUNT,
STANDARD SHIELD WITH SMT

FRJAE



P/N FRJAE-418 SHOWN
SINGLE PORT, 8 POSITION,
WITH FERRITE FILTER AND
SHIELD (FRONT TABS)

RJLSE



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:
Wave soldering peaked at 260° C for 5 seconds maximum.
Note: IR reflow compatible version also available. Consult factory for details.

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 Cat 5E 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

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[RJE7248814B1](#) [RJE721881441](#) [RJE724881441](#) [RJE7218814B1](#) [RJE721881401](#) [RJE721881452](#) [RJE724881311](#)
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