

About Amphenol Commercial Products

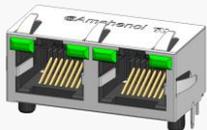
Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.

Related Products

RJHSE



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

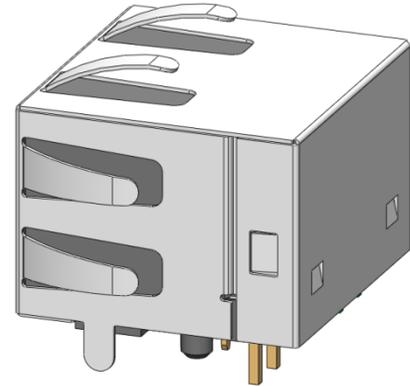
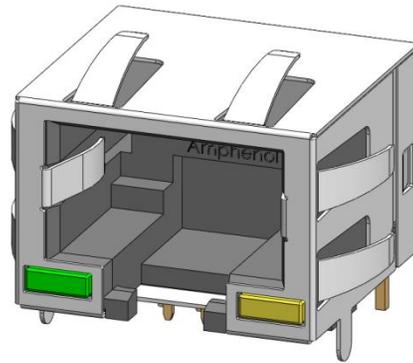


P/N RJHSE-5385-02 SHOWN TWO PORT REGULAR MOUNT, WITH SHIELD AND LEDs

RJSAE



P/N RJSAE-5835-02 SHOWN STACKED 2X1, 8 POSITION, WITH SHIELD AND LEDs



P/N RJE73-188-00441 SHOWN SINGLE PORT REGULAR MOUNT, WITH SHIELD AND LEDs

OVERVIEW

This product specification defines the general use and performance parameters for Amphenol's RJE73 series of modular jacks.

Availability: Single port, shielded versions with and without EMI shield tabs available.

USAGE

The RJE73 modular jacks supports Ethernet Protocols. Shielding available for increased EMI performance and LEDs for Link Activity and Network Speed verification. High temperature reflow type LEDs suitable for IR reflow.

APPLICATIONS

Intended for use in applications such as:

Data

- Storage
- Servers
- Routers
- Switches
- Hubs

Consumer Goods

- Security Systems
- Set Top Boxes
- Video Game Systems
- PCs, Laptops
- Copiers, Printers

Industrial and Instrumentation

- Uninterruptible Power Supply (UPS)
- ATMs
- Vending Machines
- POS Terminals
- Industrial IoT Platforms

Networking & Telecom

- 5G Wireless
- Telephones
- Modems
- Fax Machines

Medical

- Analysis Equipment
- Mass Spectrometers

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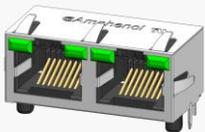
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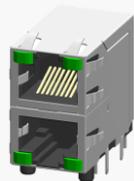


P/N RJHSE-3081 SHOWN SINGLE PORT VERTICAL MOUNT, NO SHIELD, WITH LEDs



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

RJSAE



P/N RJSAE-5835-02 SHOWN STACKED 2X1, 8 POSITION, WITH SHIELD AND LEDs

ELECTRICAL CHARACTERISTICS

Contact Resistance	20 mΩ max
Insulation Resistance	500 MΩ minimum at 500V DC for 2 minutes max
Current Rating	1.0 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. @ 2mA (for single colours) 2.6 Volts max. @ 20mA (for Bi-colours)
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 Wavelength	Yellow: 587 ± 7 nm measured @ 20mA Green: 565 ± 6 nm measured @ 20mA Red: 625 ± 5 nm measured @ 20mA

Supports PoE, PoE+, and PoE++ per IEEE PoE standards
IP20 rated per IEC 60529

MECHANICAL CHARACTERISTICS

Mating Connector Insertion Force	5.0 lbs maximum
Mating Connector Pull Retention Force	20.0 lbs minimum
Durability	750 mating and unmating cycles for 50μ" gold plating
Recommended Soldering Temperature	Wave soldering peaked at 245°C for 8 to 10 seconds maximum
Operating Temperature	-40°C to +70°C

UL File #: E135615

Connectors without LEDs are suitable for IR Reflow

MATERIAL REQUIREMENTS

RJE73 connectors are RoHS compliant.

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

Insulator	High Temp thermoplastic, flammability rating UL 94V-0
Contacts	-Phosphor Bronze hard temper with gold thickness options, 50μ" minimum Nickel on contact mating area -100μ" minimum matte tin plating on solder tails
Shield	Stainless steel with tin plating on solder tails
LED	Tin plating on LED tails

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AVAILABLE DOCUMENTS

Below is a list of the most popular standard sales drawings:

Contact our website, sales, or an authorized Amphenol representation for additional drawings.

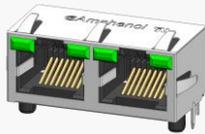
RJE73-188-00XXX-0X	Single port, low profile, with shield, with LEDs
RJE73-188-00X0X	Single port, low profile, shielded, without LEDs
RJE73-188-00XXN	Single port, low profile, without shield, with LEDs

Related Products

RJHSE

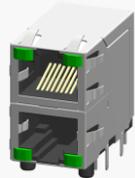


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