

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



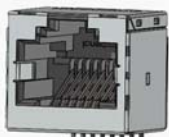
P/N RJHSE-3081 SHOWN SINGLE PORT, 8 POSITION WITHOUT SHIELD, WITH LEDs

RJSSE

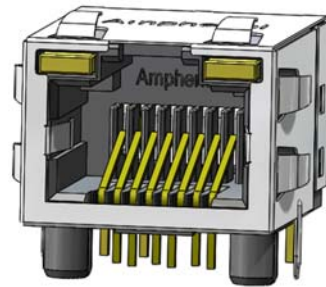


P/N RJSSE-5381 SHOWN SINGLE PORT, 8 POSITION, WITH SHIELD AND LIGHT PIPE

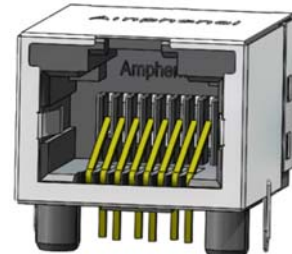
RJE23



P/N RE23-188-2X10 SHOWN SINGLE PORT, 8 POSITION, SMT, TOP ENTRY WITH SHIELD



P/N RJE37-188-1XX0 SHOWN SINGLE PORT, WITH SHIELD, WITH LEDs



P/N RJE37-188-0X00 SHOWN SINGLE PORT, SHIELDED WITHOUT TABS, WITHOUT LEDs

OVERVIEW

This product specification defines the general use and performance parameters for Amphenol's RJE37 series of right angle RJ45 modular jacks.

Availability: Single port, right angle connectors with a wide variety of LED and shielding options.

USAGE

The RJE37 inverted modular jacks with superior EMI performance supports 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:

Data

- Storage
- Servers
- Routers
- Switches
- Hubs

Networking & Telecom

- 5G Wireless
- Telephones
- Modems
- Fax Machines

Consumer Goods

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

Medical

- Analysis Equipment
- Mass Spectrometers

Industrial and Instrumentation

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

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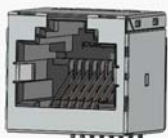
P/N RJHSE-3081 SHOWN SINGLE PORT, 8 POSITION WITHOUT SHIELD, WITH LEDs

RJSSE



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

RJE23



P/N RE23-188-2X10 SHOWN SINGLE PORT, 8 POSITION, SMT, TOP ENTRY WITH SHIELD

ELECTRICAL CHARACTERISTICS

Contact Resistance	20 mΩ max
Insulation Resistance	500 MΩ minimum at 500V DC for 2 minutes 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. @ 20mA
LED reverse voltage	5 Volts minimum
LED light intensity	7 to 11 mcd @ 20mA (for single colors) 6 mcd @ 20mA (for Bi-colors)
LED wavelength	Yellow: 587± 7 nm measured @ 20mA Green: 568 ± 6 nm measured @ 20mA Red: 640 ± 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 260°C for 5 seconds maximum
Operating Temperature	-40°C to +85°C

UL File #: E135615
Connectors without LEDs are suitable for IR Reflow.

MATERIAL REQUIREMENTS

RJE37 connectors are RoHS compliant.

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

Insulator	High Temp thermoplastic. Complies with UL 94V-0
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 soldering tail
Shield	Stainless Steel with tin dipped 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.

RJE37-188-0X00	Single port, low profile, without shield, without LEDs
RJE37-188-0XX0-0X	Single port, low profile, without shield, LED options
RJE37-188-1X00	Single port, low profile, with shield with top & side tabs, without LEDs
RJE37-188-2X00	Single port, low profile, with shield with top tabs, without LEDs
RJE37-188-6X00-T	Single port, low profile, with shield, without LEDs, tape and reel package

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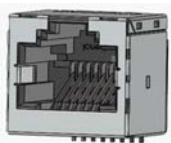
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Amphenol Canada Corp.
605 Milner Avenue
Toronto, Ontario, Canada M1B 5X6

www.amphenolcanada.com (www.amphenol-icc.com)
(416) 291-4401
sales@amphenolcanada.com

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