

RJE01

Amphenol

Product Specification S6076C Rev 1.0

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.

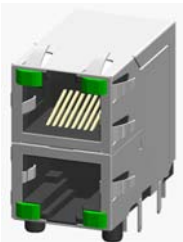
Related Products

RJSSE

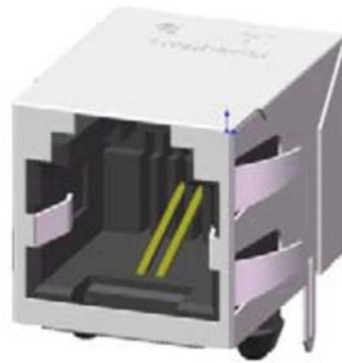


P/N RJSSE-5381 SHOWN SINGLE PORT, 8 POSITION, WITH SHIELD AND LIGHT PIPE

RJSAE



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



P/N RJE01-622-01 SHOWN SINGLE REGULAR MOUNT, WITH SHIELD



P/N RJE01-662-01 SHOWN SINGLE PORT REGULAR MOUNT WITH SHIELD

OVERVIEW

This product specification defines the general use and performance parameters for Amphenol's RJE01 series of inverted modular jacks.

Availability: Single, multiport, right angle connectors with a wide variety of shielding options.

USAGE

The RJE01 inverted modular jacks with superior EMI performance supports Ethernet Protocols. Shielding available for increased EMI performance.

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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RJSAE



P/N RJSAE-5835-02 SHOWN STACVKED 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	1.5 Amps per contact
Voltage Rating	125 Volts AC
DWV	1000 VAC, 60 Hz. 1 min

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

MATERIAL REQUIREMENTS

RJE01 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

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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.

RJE01-X40-01-X	Single port, through-hole, without shield
RJE01-662-02	Dual port, through-hole, with shield, with top and side ground tabs
RJE01-145-01	Single port, through-hole, with shield and PCB tail
RJE01-660-02	Dual port, through-hole, without shield, without LEDs
RJE01-6X0-01	Single port, through-hole, without shield

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