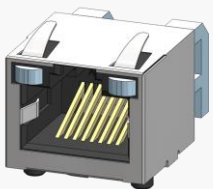


### About Amphenol Commercial Products

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.

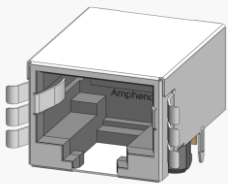
### Related Products

#### RJSSE

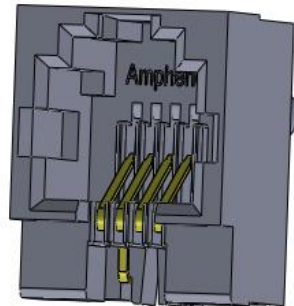


P/N RJSSE-5081 SHOWN SINGLE PORT, 8 POSITION, WITH SHIELD AND LIGHT PIPE

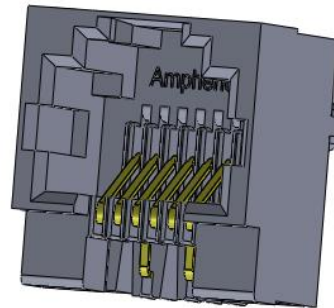
#### RJULE



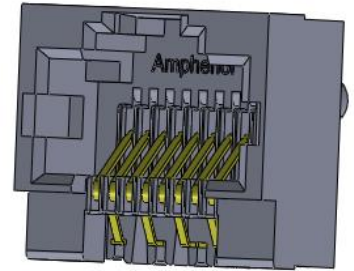
P/N RJULE-4X182-01 SHOWN SINGLE PORT REGULAR MOUNT, STANDARD SHIELD WITH SMT



P/N RJE1J-144-0X10 SHOWN SINGLE PORT, VERTICAL MOUNT, 4P4C, WITHOUT SHIELD



P/N RJE1J-166-0X10 SHOWN SINGLE PORT, VERTICAL MOUNT, 6P6C, WITHOUT SHIELD



P/N RJE1J-188-0X10 SHOWN SINGLE PORT, VERTICAL MOUNT, 8P8C, WITHOUT SHIELD

### OVERVIEW

This product specification defines the general use and performance parameters for Amphenol's RJE1J series of modular jacks.

Availability: Single port, 4P4C, 6P6C, 8P8C connector and flange options.

### USAGE

The RJE1J series of modular jack supports Ethernet Protocols.

### 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

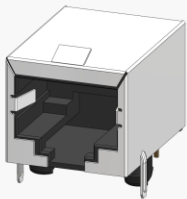
- Analysis Equipment
- Mass Spectrometers

## About Amphenol Commercial Products

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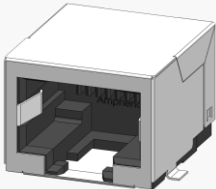
## Related Products

### FRJAE



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

### RJLSE



P/N RJLSE-41181-01 SHOWN SINGLE PORT REGULAR MOUNT, STANDARD SHIELD WITH SMT

## ELECTRICAL CHARACTERISTICS

<b>Contact Resistance</b>	20 mΩ maximum
<b>Insulation Resistance</b>	500 MΩ minimum at 500V DC for 2 minutes maximum
<b>Current Rating</b>	1.5 Amps per contact
<b>Voltage Rating</b>	125 Volts AC
<b>DWV</b>	1000 VAC, 60 HZ. 1 min

Supports PoE, PoE+, and PoE++ per IEEE PoE standards

IP20 rated per IEC 60529

## MECHANICAL CHARACTERISTICS

<b>Mating Connector Insertion Force</b>	5.0 lbs maximum
<b>Mating Connector Pull Retention Force</b>	20.0 lbs minimum
<b>Durability</b>	750 mating and unmating cycles for 50μ" gold plating
<b>Recommended Soldering Temperature</b>	Wave soldering peaked at 260°C for 5 seconds maximum
<b>Operating Temperature</b>	-40°C to +85°C

UL File #: E135615

Connectors are suitable for IR Reflow

## MATERIAL REQUIREMENTS

RJE1J connectors are RoHS compliant.

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

<b>Insulator</b>	High temperature thermoplastic, complies with UL 94V-0
<b>Contacts</b>	-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

## 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.

<b>RJE1J-1AA-0X10</b>	Single port, without shield
<b>RJE1J-144-0X10</b>	Single port, vertical mount, without shield
<b>RJE1J-166-0X10</b>	Single port, vertical mount, without shield
<b>RJE1J-188-0X10</b>	Single port, vertical mount, without shield

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