

*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

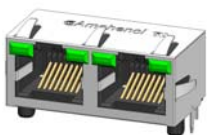


P/N RJSSE-5381 SHOWN  
SINGLE PORT, 8 POSITION,  
WITH SHIELD AND LIGHT PIPE

#### 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 RJE03-188-2420 SHOWN

### Overview

This product specification defines the general use and performance parameters for Amphenol's RJE03 series of modular jacks.

Availability: Single port available with shielding options.

### Usage

The RJE03 series of modular jacks 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:  
Networking & Telecom

- Wireless (WiMAX)
- Network servers
- Hubs, routers, switches

Office & Home Equipment

- PC's, Laptops, Copiers/Printers
- Telephones, modems
- Surge Protectors
- ATMs, Vending Machines

- Security Systems
- Set Top Boxes
- Video Game Systems

Miscellaneous

- Multi-Media Equipment
- Industrial Equipment
- POS Terminals

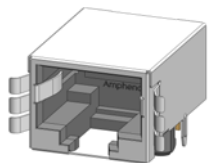
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## Related Products

### RJULE



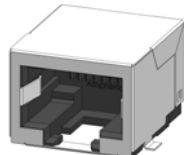
P/N RJULE-4X182-01 SHOWN  
SINGLE PORT REGULAR MOUNT,  
STANDARD SHIELD WITH SMT

### FRJAE



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

### RJLSE



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

## Electrical Characteristics

Contact resistance:	20 mΩ max.
Insulation resistance:	500 MΩ minimum at 500V DC for 2 minutes max.
Current rating:	1.5 Amps
Voltage rating:	125 Volts AC
DWV	1000 VAC, 60 Hz. 1 min.

## Mechanical Characteristics

Mating connector insertion force: 5.0 lbs. Maximum.  
Mating connector pull retention force: 20 lbs Minimum.  
Durability: 750 mating & unmating cycles  
Recommended soldering temperature: Wave soldering peaked at 260° C for 5 seconds maximum.  
Connectors with high temp. material are suitable for IR Reflow

Operating temperature: -40° C to +85° C

## Material Requirements

RJE03 connectors are RoHS compliant.

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

Insulator:

- Engineering 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 soldering tail

Shield:

- Copper alloy, Nickel plated with tin dipped tail.

## Available Documents

### Drawing Numbers:

P-RJE03-166-2X20H	Single port modular jack, shielded, 6 position, 6 contacts.
P-RJE03-188-2X20	Single port modular jack, shielded, 8 position, 8 contacts.
P-RJE03-188-0X20	Single port modular jack, 8 position, 8 contacts.

Contact factory or Authorized Amphenol representative for additional configurations