

*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

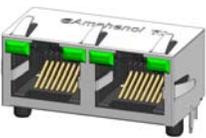


P/N RJSSE-5381 SHOWN  
SINGLE PORT, 8 POSITION,  
WITH SHIELD AND LIGHT PIPE

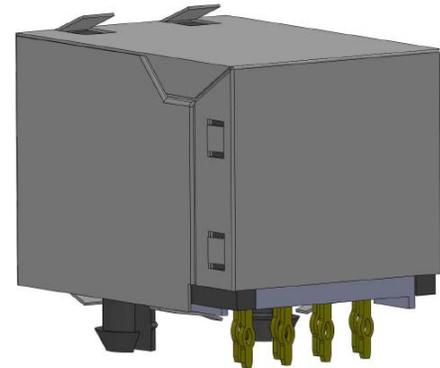
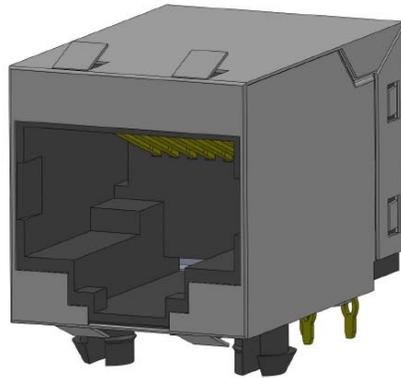
#### RJHSE



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 RJE56-188-1X10 SHOWN  
Single Port, with shield  
8 Position, 8 Press Fit Contacts

The RJE56 series of modular jack supports Ethernet Protocols.

### 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

#### Consumer Goods

- Security Systems
- Set Top Boxes
- Video Game Systems

#### Miscellaneous

- Multi-Media Equipment
- Industrial Equipment
- POS Terminals

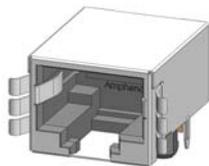
# Now you're connected!

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## Related Products

### RJULE



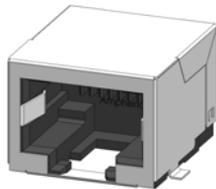
P/N FJULE-4X182-01 SHOWN  
SINGLE PORT REGULAR MOUNT,  
STANDARD SHIELD WITH SMT

### 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 to 8 seconds

Operating temperature: -55° C to +85° C

## Material Requirements

RJE56 connectors are RoHS compliant.  
Unless otherwise specified, the materials for each component shall be:

Insulator:

- PBT material - 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 tin lead plating on press fit tail

Shield:

- Stainless Steel

## Available Documents

### Drawing Numbers:

P-RJE56-188-1X10

RJE56 SERIES,8 POSITION,8 CONTACTS,WITH SHIELD-RoHS COMPLIANT

Contact factory or Authorized Amphenol representative for additional configurations.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Amphenol:

[RJE561881310](#) [RJE561880410](#) [RJE561881410](#) [RJE561880210](#) [RJE561881210](#) [RJE561880110](#) [RJE561881110](#)  
[RJE561880310](#)