

*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

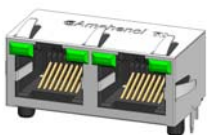


P/N RJSSE-5381 SHOWN  
SINGLE PORT, 8 POSITIONS,  
WITH SHIELD AND LIGHT PIPE

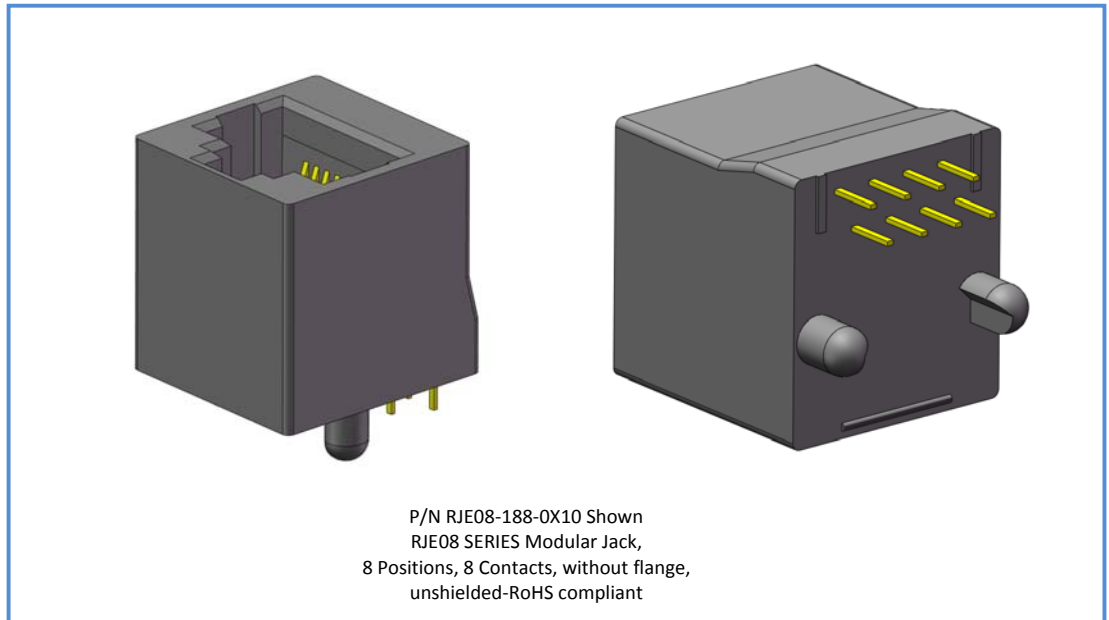
#### RJHSE



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 RJE08-188-0X10 SHOWN  
RJE08 SERIES Modular Jack,  
8 Positions, 8 Contacts, without flange,  
unshielded-RoHS compliant

### Overview

This product specification defines the general use and performance parameters for Amphenol's RJE08 series of modular jacks.

Availability: Single port, 4P4C, 6P2C, 6P4C, 6P6C, 8P8C, 10P10C, and flange options.

### Usage

The RJE08 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

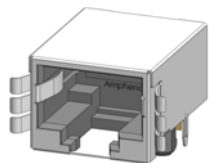
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## Related Products

### RJULE



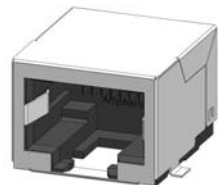
P/N FJULE-4X182-01 SHOWN  
SINGLE PORT REGULAR MOUNT,  
STANDARD SHIELD WITH SMT

### FRJAE



P/N FRIAE-418 SHOWN  
SINGLE PORT, 8 POSITIONS,  
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:	25 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

Operating temperature: -40° C to +70° C

## Material Requirements

RJE08 connectors are RoHS compliant.  
Unless otherwise specified, the materials for each component shall be:

Insulator:

- Engineering thermoplastic 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 matte tin or gold flash plating on tail area.

## Available Documents

### Drawing Numbers:

P-RJE08-144-0X20	RJE08 SERIES MODULAR JACK, 4 POSITIONS, 4 CONTACTS, WITH FLANGE, UNSHIELDED, TOP ENTRY-RoHS COMPLIANT
P-RJE08-162-0X11	MODULAR JACK, 6 POSITIONS, 2 CONTACTS, TOP ENTRY, WITHOUT SHIELD, WITHOUT FLANGE-RoHS COMPLIANT
P-RJE08-164-0X10	MODULAR JACK, 6 POSITIONS, 4 CONTACTS, TOP ENTRY, WITHOUT SHIELD, WITHOUT FLANGE-RoHS COMPLIANT
P-RJE08-164-0X20	MODULAR JACK, 6 POSITIONS, 4 CONTACTS, TOP ENTRY, WITHOUT SHIELD, WITH SIDE FLANGE-RoHS COMPLIANT
P-RJE08-166-0X10-H	MODULAR JACK, 6 POSITIONS, 6 CONTACTS, TOP ENTRY, WITHOUT SHIELD, WITHOUT FLANGE-RoHS COMPLIANT
P-RJE08-188-0X10	MODULAR JACK, TOP ENTRY, 8 POSITIONS, 8 CONTACTS, WITHOUT FLANGE, UNSHIELDED-RoHS COMPLIANT
P-RJE08-188-0X20	RJE08 SERIES MODULAR JACK, 8 POSITIONS, 8 CONTACTS, WITH FLANGE, UNSHIELDED, TOP ENTRY-RoHS COMPLIANT
P-RJE08-188-0XA0	MODULAR JACK, TOP ENTRY, 8 POSITIONS, 8 CONTACTS, WITH FLANGE, UNSHIELDED-RoHS COMPLIANT
P-RJE08-1AA-0X10	RJ45 CONNECTOR, TOP ENTRY, 10 POSITIONS, 10 CONTACTS, PCB MOUNT, UNSHIELDED-RoHS COMPLIANT

Contact factory or Authorized Amphenol representative for additional configurations.

# Mouser Electronics

Authorized Distributor

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

## Amphenol:

[RJE081440210H](#) [RJE081440110H](#) [RJE081440310](#) [RJE081440410H](#) [RJE081660310H](#) [RJE081660310](#)  
[RJE081660110H](#) [RJE081660410](#) [RJE081440210](#) [RJE081440310H](#) [RJE081660110](#) [RJE081440110](#)  
[RJE081660210H](#) [RJE081660410H](#) [RJE081440410](#) [RJE081880310](#) [RJE081660210](#) [RJE081660120](#) [RJE081660220](#)  
[RJE081660420](#) [RJE081660320](#)