

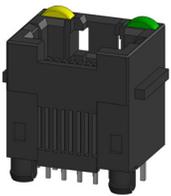
*Now you're connected!*

### About Amphenol Commercial Products

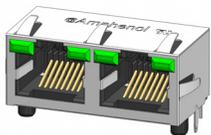
Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.

### Related Products

#### RJHSE

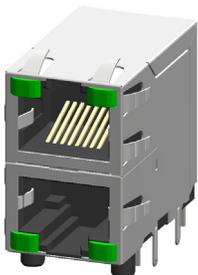


P/N RJHSE-3081 SHOWN  
SINGLE PORT VERTICAL MOUNT,  
NO SHIELD, WITH LEDS

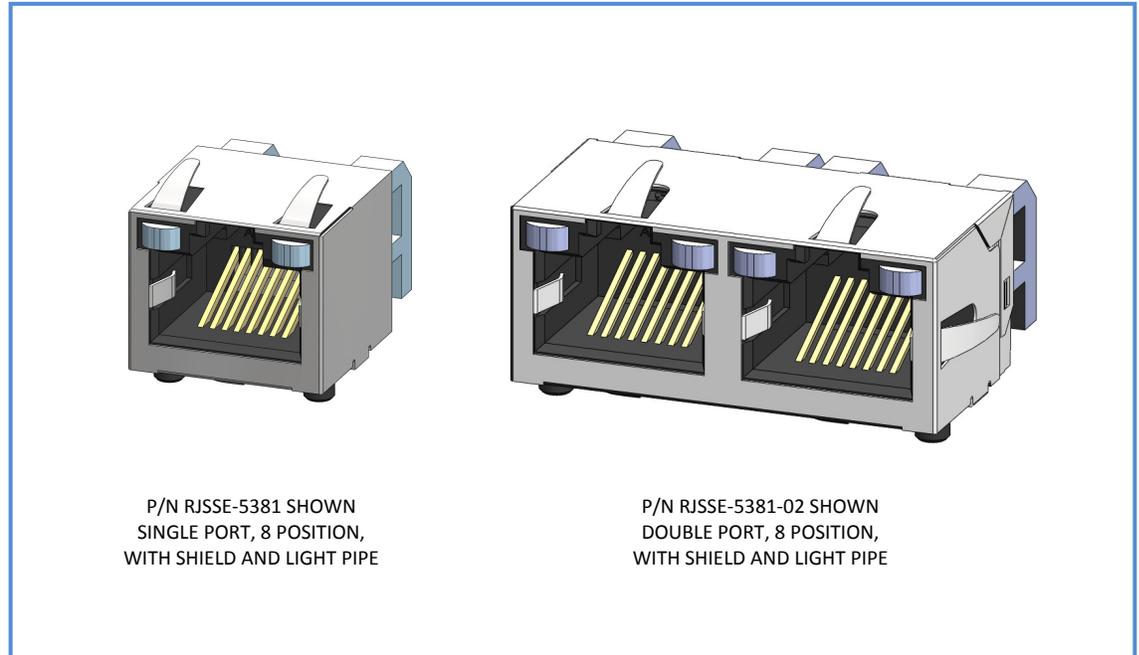


P/N RJHSE-5385-02 SHOWN  
TWO PORT REGULAR MOUNT,  
WITH SHIELD AND LEDS

#### RJSAE



P/N RJSAE-5385-02 SHOWN  
STACKED 2x1, 8 POSITION,  
WITH SHIELD AND LEDS



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

P/N RJSE-5381-02 SHOWN  
DOUBLE PORT, 8 POSITION,  
WITH SHIELD AND LIGHT PIPE

### Overview

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

Availability: Single and multiport connectors, shielded and unshielded versions available with or without light pipe option.

### Usage

The RJSSE Surface Mount modular jacks supports Ethernet Protocols. Shielding available for increased EMI performance and Light Pipes 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

#### Consumer Goods

- Security Systems
- Set Top Boxes
- Video Game Systems

#### Miscellaneous

- Multi-Media Equipment
- Industrial Equipment
- POS Terminals

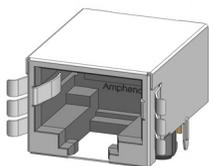
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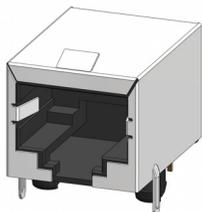
## Related Products

### RJULE



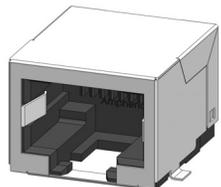
P/N RJULE-4X182-01 SHOWN  
SINGLE PORT REGULAR MOUNT,  
STANDARD SHIELD WITH SMT

### FRJAE



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

### RJLSE



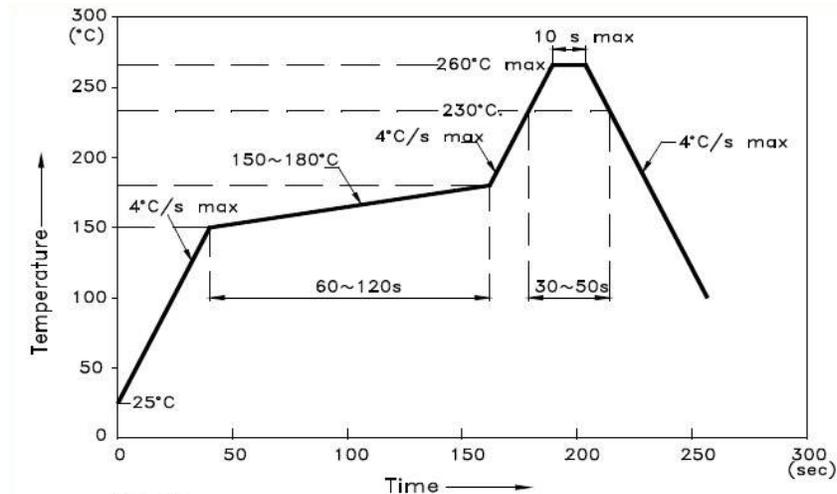
P/N RJLSE-41181-01 SHOWN  
SINGLE PORT REGULAR MOUNT,  
STANDARD SHIELD WITH SMT

## 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	1500 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  
Suitable for IR Reflow (Light Pipes to be installed after soldering)  
Recommended soldering temperature: Lead free reflow soldering up to 260° C for 10 seconds.  
Refer to recommended reflow profile below. A maximum of three reflow passes are permitted.  
Refer to J-STD-033 for safe handling procedures for SMD's.



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

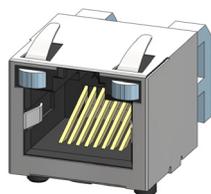
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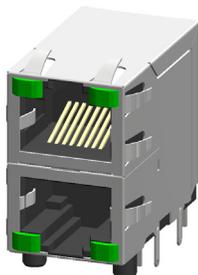
## Related Products

### RJSSE



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

### RJSAR



P/N RJSAR-5385-02 SHOWN  
STACKED 2x1, 8 POSITION,  
WITH SHIELD AND LEDs

## Material Requirements

RJSSE connectors are RoHS compliant.

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

Insulator:

- High Temp thermoplastic. Complies with UL 94V-0, Black color

Contacts:

- Phosphor Bronze hard temper with gold thickness options (6 $\mu$ "", 15 $\mu$ "", 30 $\mu$ "", 50 $\mu$ "") over 50 $\mu$ " minimum Nickel on contact mating area.
- 100 $\mu$ " minimum matte tin over nickel on soldering tail

Shield:

- Copper alloy; Nickel or Matte Tin plating

Light Pipe:

- Optical grade polycarbonate, UL 94V-0

## Available Documents

### Drawing Numbers:

P-RJSSE-508X-XX	Surface Mount, 8 Position Modular Jack, Unshielded, optional Light Pipes
P-RJSSE-5381-04	4 Port, Surface Mount, 8 Position Modular Jack, Shielded with Light Pipes
P-RJSSE-7061	Surface Mount, 6 Position, Unshielded with Light Pipes

Contact factory or Authorized Amphenol representative for additional configurations