

*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

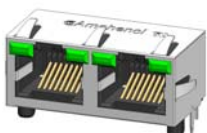


P/N RJSSE-5381 SHOWN  
SINGLE PORT, 8 POSITION,  
WITH SHIELD AND LIGHT PIPE

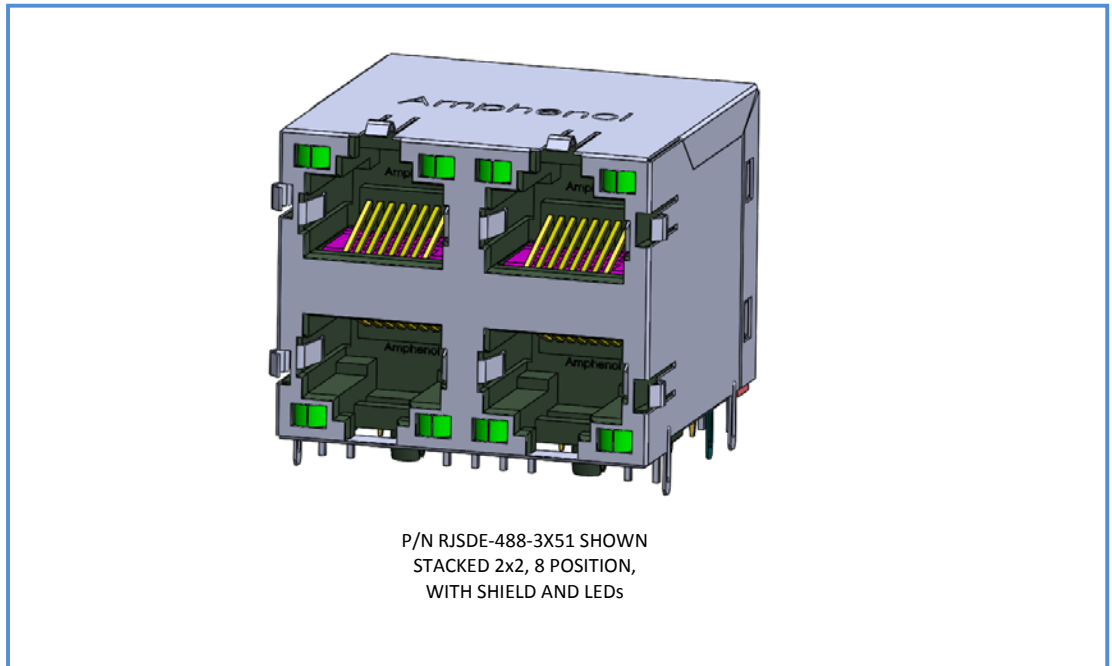
#### RJHSE



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 RJSDE-488-3X51 SHOWN  
STACKED 2x2, 8 POSITION,  
WITH SHIELD AND LEDs

### Overview

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

Availability: 2x2 ports available with a wide variety of LED and shielding options.

### Usage

The RJSDE stackable modular jacks supports Ethernet Protocols. Shielding available with and without a Ferrite filter 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

#### Consumer Goods

- Security Systems
- Set Top Boxes
- Video Game Systems

#### Miscellaneous

- Multi-Media Equipment
- Industrial Equipment
- POS Terminals

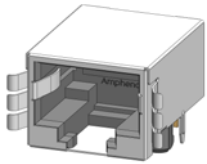
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## Related Products

### RJULE



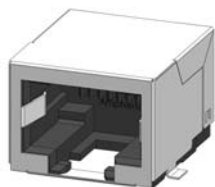
P/N RJULE-4X182-01 SHOWN  
SINGLE PORT REGULAR MOUNT,  
STANDARD SHIELD WITH SMT

### FRJAE



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

### RJLSE



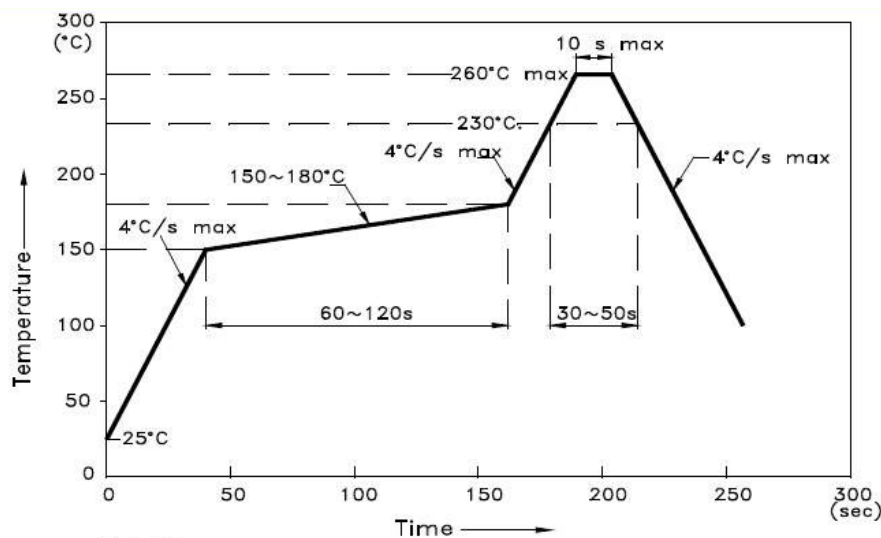
P/N RJLSE-41181-01 SHOWN  
SINGLE PORT REGULAR MOUNT,  
STANDARD SHIELD WITH SMT

## 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	1000 VAC, 60 Hz. 1 min.
LED forward DC current:	20mA typical
LED forward Voltage:	1.9 Volts max. @ 2mA (for single colors) 2.6 Volts max. @ 20mA (for Bi-colors)
LED reverse voltage:	5 Volts minimum
LED light intensity:	0.4 to 1.5 mcd @ 2mA (for single colors) 0.5 mcd min. @ 2mA (for Bi-colors)
LED wave length:	Yellow: 587± 7 nm measured @ 20mA Green: 565± 6 nm measured @ 20mA Red: 625± 5 nm measured @ 20mA

## 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 10 seconds for one cycle with an LED defect rate of no more than 10000ppm.(Multiple exposures are not recommended).  
Connectors without LED's are suitable for IR Reflow; connectors with Reflow LED's are available.



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

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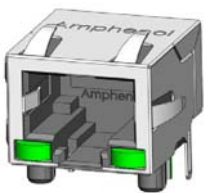
#### Related Products

##### RJSAE



P/N RJSAE-5385-02 SHOWN  
TWO PORTS, 8 POSITION,  
WITH SHIELD AND LEDS

##### RJSBE



P/N RJSBE-5385-C1 SHOWN  
SINGLE PORT, 8 POSITION  
WITH SHIELD AND LEDS

#### Material Requirements

RJSDE 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 plating on soldering tail

Shield:

- Stainless steel with tin dipped tail (as specified on sales drawing).

LED:

- Tin plating on LED tail

#### Available Documents

##### Drawing Numbers:

P-RJSDE-488-3XX1 2x2 Stackable Modular Jack, 8 Position, Shielded with LED options

P-RJSDE-488-0XX1 2x2 Stackable Modular Jack, 8 Position, Unshielded with LED options

Contact factory or Authorized Amphenol representative for additional configurations