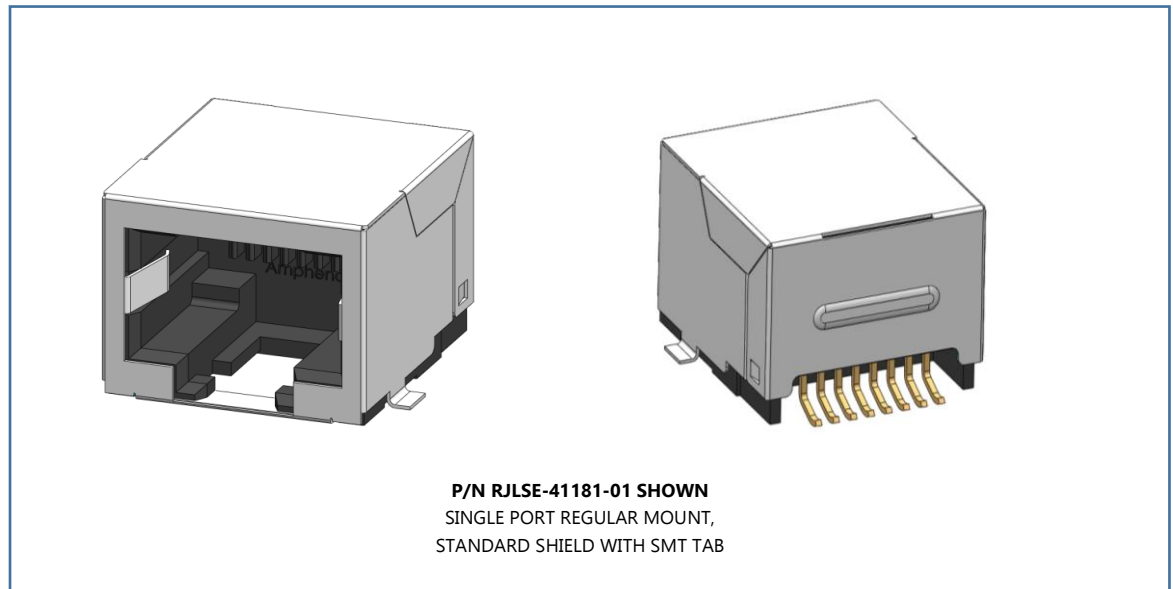


### About Amphenol Commercial Products

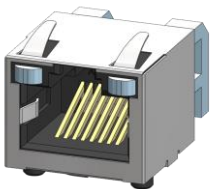
Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.



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

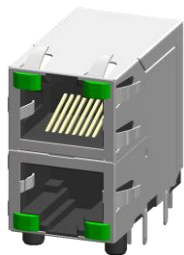
### Related Products

#### RJSSE SERIES



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

#### RJSAR SERIES



P/N RJSAR-5385-02 SHOWN  
STACKED 2X1, 8 POSITION, WITH  
SHIELD AND LEDs

### OVERVIEW

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

Availability: Single, right angle connectors with a variety of shielding options.

### USAGE

The RJLSE surface mount modular jacks with superior EMI performance supports Ethernet Protocols. Shielding available for increased EMI performance.

### APPLICATIONS

Intended for use in applications such as:

#### Data

- Storage
- Servers
- Routers
- Switches
- Hubs

#### Consumer Goods

- Security Systems
- Set Top Boxes
- Video Game Systems
- PCs, Laptops
- Copiers, Printers

#### Industrial and Instrumentation

- Uninterruptible Power Supply (UPS)
- ATMs
- Vending Machines
- POS Terminals
- Industrial IoT Platforms

#### Networking & Telecom

- 5G Wireless
- Telephones
- Modems
- Fax Machines

#### Medical

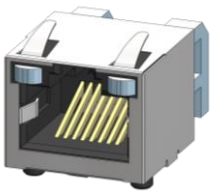
- Analysis Equipment
- Mass Spectrometers

## About Amphenol Commercial Products

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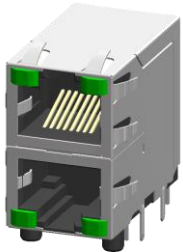
## Related Products

### RJSSE SERIES



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

### RJSAR SERIES



P/N RJSAR-5385-02 SHOWN STACKED 2X1, 8 POSITION, WITH SHIELD AND LEDs

## ELECTRICAL CHARACTERISTICS

<b>Contact Resistance</b>	20mΩ maximum
<b>Insulation Resistance</b>	500 MΩ minimum at 500V DC for 2 minutes maximum
<b>Current Rating</b>	1.5 Amps per contact
<b>Voltage Rating</b>	125 Volts AC
<b>DWV</b>	Contact to Contact: 1,000 VAC, 60 Hz, 1 min Contact to Shield: 1,500 VAC, 60 Hz, 1 min

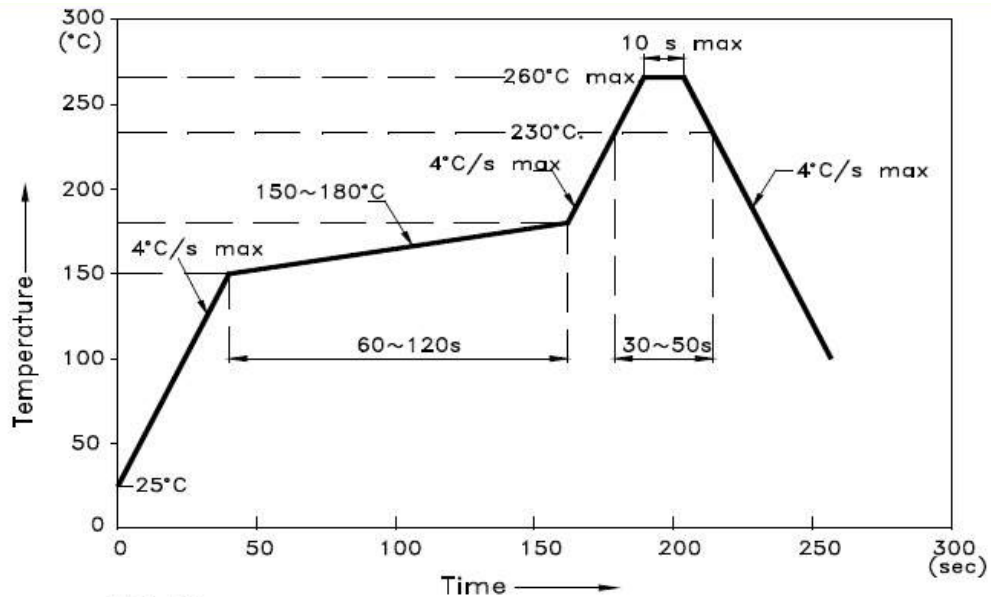
Supports PoE Type1, Type2, Type 3, and Type 4 per IEEE PoE standards  
IP20 rated per IEC 60529  
TIA 1096 Compliant

## MECHANICAL CHARACTERISTICS

<b>Mating Connector Insertion Force</b>	5.0 lbs maximum
<b>Mating Connector Pull Retention Force</b>	20.0 lbs minimum
<b>Durability</b>	750 mating and unmating cycles for 50μ" gold plating
<b>Recommended Soldering Temperature</b>	Lead free reflow soldering up to 260°C for 10 seconds (refer to reflow profile below, maximum of 3 reflow passes permitted)
<b>Operating Temperature</b>	-55°C to +85°C

UL File#: E135615

Refer to J-STD-033 for safe handling procedures for SMDs.



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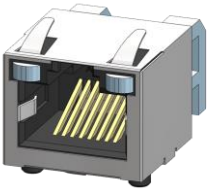
Page 2 of 3  
**Amphenol**

## 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 SERIES



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

### RJSAR SERIES



P/N RJSAR-5385-02 SHOWN STACKED 2X1, 8 POSITION, WITH SHIELD AND LEDs

## MATERIAL REQUIREMENTS

RJLSE connectors are RoHS compliant.

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

<b>Insulator</b>	High temperature thermoplastic, flammability rating UL 94V-0
<b>Contacts</b>	-Phosphor Bronze hard temper with gold thickness options (6µ", 15µ" 30µ", 50µ") over 50µ" minimum Nickel on contact mating area. Gold flash with Palladium Nickel is also available. -100µ" minimum matte Tin over Nickel on soldering tail
<b>Shield</b>	Copper alloy, Nickel or matte Tin plated

## MOISTURE LEVEL SENSITIVITY

The Moisture Sensitivity Level for RJLSE connector is MSL-2a.

## AVAILABLE DOCUMENTS

Below is a list of the most popular standard sales drawings:

Contact our website, sales, or an authorized Amphenol representation for additional drawings.

<b>RJLSE-4X0XX-01X</b>	Single port, surface mount, without shield
<b>RJLSE-4X1XX-01X</b>	Single port, surface mount, shielded with no EMI tabs
<b>RJLSE-4X2XX-01X</b>	Single port, surface mount, without shield, with hold down bracket
<b>RJLSE-4X3XX-01X</b>	Single port, surface mount, shielded with hole through tails
<b>RJLSE-4X4XX-01X</b>	Single port, surface mount, shielded with top and side EMI tabs
<b>RJLSE-6X0XX-01X</b>	Single port, surface mount, 6 position, without shield
<b>RJLSE-6X1XX-01X</b>	Single port, surface mount, 6 position, shielded with no EMI tabs
<b>RJLSE-6X2XX-01X</b>	Single port, surface mount, 6 position, without shield, with hold down bracket
<b>RJLSE-6X3XX-01X</b>	Single port, surface mount, 6 position, shielded with hole through tails
<b>RJLSE-4X1XX-02X</b>	Two ports, surface mount, shielded with no EMI tabs
<b>RJLSE-4X3XX-02X</b>	Two ports, surface mount, shielded with hole through tails