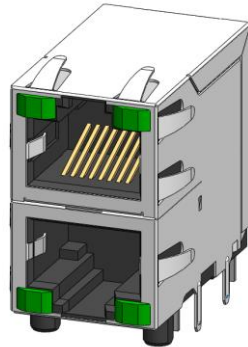
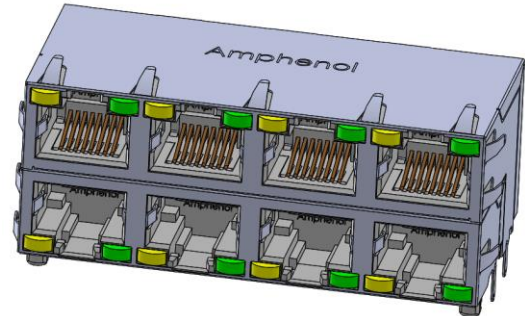


### About Amphenol Commercial Products

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.



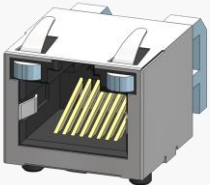
**P/N RJSAE-5385-02 SHOWN**  
STACKED 2X1, 8 POSITION,  
WITH SHIELD AND GREEN LEDs



**P/N RJSAE-5381-08 SHOWN**  
STACKED 2X4, 8 POSITION, WITH  
SHIELD AND GREEN AND YELLOW LEDs

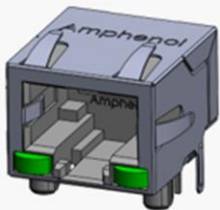
### Related Products

#### RJSSE SERIES



**P/N RJSSE-5381 SHOWN**  
SINGLE PORT, 8P8C, WITH  
SHIELD AND LIGHT PIPE

#### RJSBE SERIES



**P/N RJSBE-5385-C1 SHOWN**  
SINGLE PORT, 8P8C, WITH SHIELD AND  
GREEN LEDs

### OVERVIEW

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

Availability: 2x1, 2x2 and 2x4 ports available with a wide variety of LED, shielding options.

### USAGE

The RJSAE 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:

#### 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
- Modems
- Fax Machines

#### Medical

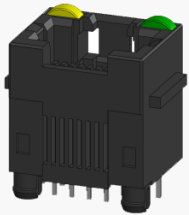
- Analysis Equipment
- Mass Spectrometers

## About Amphenol Commercial Products

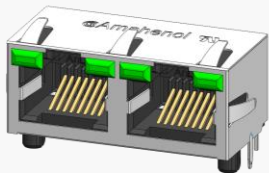
Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.

## Related Products

### RJHSE SERIES



P/N RJHSE-3081 SHOWN  
SINGLE PORT, VERTICAL  
MOUNT, 8P8C, NO SHIELD,  
WITH YELLOW AND GREEN  
LEDs



P/N RJHSE-5385-02 SHOWN  
TWO PORT, RIGHT-ANGLE,  
8P8C, WITH SHIELD AND  
GREEN LEDs

## ELECTRICAL CHARACTERISTICS

<b>Contact Resistance</b>	20 mΩ 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 (Dielectric Withstanding Voltage)</b>	Contact to Contact: 1,000 VAC, 60 Hz, 1 min Contact to LED: 1,500 VAC, 60 Hz, 1 min Contact to Shield: 1,500 VAC, 60 Hz, 1 min LED to Shield: 1,500 VAC, 60 Hz, 1 min
<b>LED Forward DC Current</b>	20 mA typical
<b>LED Forward Voltage</b>	2.4 Volts max. @ 20mA (for single colors) 2.4 Volts max. @ 20mA (for bi-colors)
<b>LED Reverse Voltage</b>	5.0 Volts maximum (for single colors) 1.3 Volts maximum (for bi-colors)
<b>LED Light Intensity</b>	4 to 30 mcd @ 20mA (for single colors) 8 to 20 mcd @ 20mA (for bi-colors)
<b>LED Wavelength</b>	Yellow: 587 ± 7nm measured @ 20mA Green: 565 ± 6nm measured @ 20mA Red: 625 ± 5nm measured @ 20mA

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>	Wave soldering peaked at 260°C for 10 seconds maximum
<b>Operating Temperature</b>	-55°C to +85°C

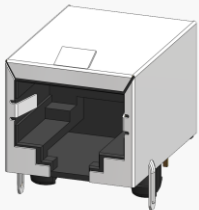
UL File #: E135615  
Contact Sales for reflow-compatible versions.

## 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.

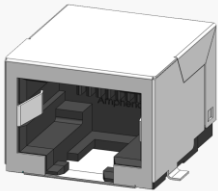
## Related Products

### FRJAE SERIES



P/N FRJAE-418 SHOWN  
SINGLE PORT, 8P8C, WITH  
FERRITE FILTER AND SHIELD  
(FRONT TABS)

### RJLSE SERIES



P/N RJLSE-41181-01 SHOWN  
SMT, SINGLE PORT, 8P8C,  
STANDARD SHIELD

## MATERIAL REQUIREMENTS

RJSAE connectors of RoHS compliant.

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

<b>Insulator</b>	Engineering 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 -100μ" minimum matte Tin plating on soldering tail
<b>Shield</b>	Copper alloy with Tin finish tails
<b>LED</b>	Pure Tin plating on LED tail

## AVAILABLE DOCUMENTS

Below is a list of common standard sales drawings.

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

<b>RJSAE-X080-02</b>	Two ports, without shield, without LEDs
<b>RJSAE-X08X-02X</b>	Two ports, without shield, with LEDs
<b>RJSAE-X280-02</b>	Two ports, shielded with top and side EMI tabs, with ferrite, without LEDs
<b>RJSAE-X28X-02X</b>	Two ports, shielded with top and side EMI tabs, with ferrite, with LEDs
<b>RJSAE-X380-02</b>	Two ports, shielded with top and side EMI tabs, without LEDs
<b>RJSAE-X38X-02X</b>	Two ports, shielded with top and side EMI tabs, with LEDs
<b>RJSAE-XF80-02</b>	Two ports, shielded with no EMI tabs, without LEDs
<b>RJSAE-XF8X-02X</b>	Two ports, shielded with no EMI tabs, with LEDs
<b>RJSAE-X080-04</b>	Four ports, without shield, without LEDs
<b>RJSAE-X08X-04X</b>	Four ports, without shield, with LEDs
<b>RJSAE-X280-04</b>	Four ports, shielded with top and side EMI tabs, with ferrite, without LEDs
<b>RJSAE-X28X-04X</b>	Four ports, shielded with top and side EMI tabs, with ferrite, with LEDs
<b>RJSAE-X380-04</b>	Four ports, shielded with top and side EMI tabs, without LEDs
<b>RJSAE-X38X-04X</b>	Four ports, shielded with top and side EMI tabs, with LEDs
<b>RJSAE-XF80-04</b>	Four ports, shielded with no EMI tabs, without LEDs
<b>RJSAE-XF8X-04X</b>	Four ports, shielded with no EMI tabs, with LEDs
<b>RJSAE-X080-08</b>	Eight ports, without shield, without LEDs
<b>RJSAE-X08X-08X</b>	Eight ports, without shield, with LEDs
<b>RJSAE-X280-08</b>	Eight ports, shielded with top and side EMI tabs, with ferrite, without LEDs
<b>RJSAE-X28X-08X</b>	Eight ports, shielded with top and side EMI tabs, with ferrite, with LEDs
<b>RJSAE-X380-08</b>	Eight ports, shielded with top and side EMI tabs, without LEDs
<b>RJSAE-X38X-08X</b>	Eight ports, shielded with top and side EMI tabs, with LEDs
<b>RJSAE-X380-A8</b>	Eight ports, shielded with top and side EMI tabs, without LEDs
<b>RJSAE-X38X-A8X</b>	Eight ports, shielded with top and side EMI tabs, with LEDs
<b>RJSAE-XF80-08</b>	Eight ports, shielded with no EMI tabs, without LEDs
<b>RJSAE-XF8X-08X</b>	Eight ports, shielded with no EMI tabs, with LEDs

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