

Now you're connected!

About Amphenol Commercial Products

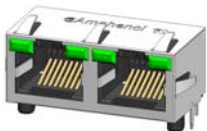
Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.

Related Products

RJHSE



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

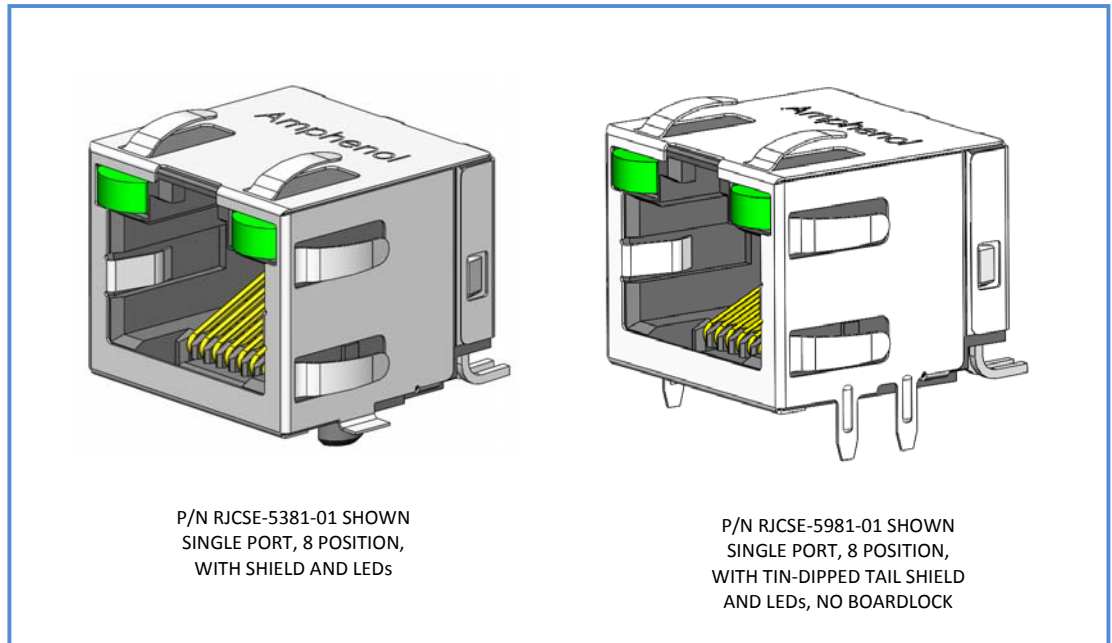


P/N RJHSE-5385-02 SHOWN
TWO PORT REGULAR MOUNT,
WITH SHIELD AND LEDS

RJSAE



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



P/N RJCSE-5381-01 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LEDS

P/N RJCSE-5981-01 SHOWN
SINGLE PORT, 8 POSITION,
WITH TIN-DIPPED TAIL SHIELD
AND LEDS, NO BOARDLOCK

Overview

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

Availability: Single port connectors, shielded versions available with LED options.

Usage

The RJCSE Surface Mount modular jacks supports Ethernet Protocols. Shielding provides increased EMI performance and LEDs are available 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

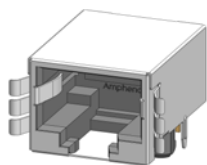
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Related Products

RJULE



P/N RIULE-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)

RJSSE



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

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 (for 50μ" gold plating option)
Connectors are suitable for IR reflow at 245° C for max 10 seconds
Operating temperature: -55° C to +85° C

Material Requirements

RJCSE 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 (6μ", 15μ", 30μ", 50μ") over 50μ" minimum Nickel on contact mating area.
- 100 μ" minimum matte-tin over nickel on soldering tail

Shield:

- Stainless steel with matte-tin plating

LED:

- Epoxy lens with tin plating on LED tail

Available Documents

Drawing Numbers:

P-RJCSE-X38X-01X	SMT, Single Port, 8 Position, 8 Contacts, Modular Jack. Shielded with LED options
P-RJCSE-X08X-01X	SMT, Single Port, 8 Position, 8 Contacts, Modular Jack. Unshielded with LED options
P-RJCSE-X98X-01X	SMT, Single Port, 8 Position, 8 Contacts, Modular Jack. With tin-dipped shield, LED options
P-RJCSE-X3AX-01X	SMT, Single Port, 10 Position, 10 Contacts, Modular Jack. Shielded with LED options
P-RJCSE-X0AX-01X	SMT, Single Port, 10 Position, 10 Contacts, Modular Jack. Unshielded with LED options

Contact factory or Authorized Amphenol representative for additional configurations