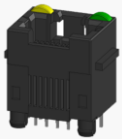


About Amphenol Commercial Products

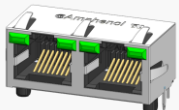
Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.

Related Products

RJHSE

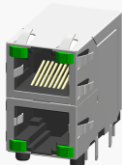


P/N RJHSE-3081 SHOWN SINGLE PORT VERTICAL MOUNT, NO SHIELD, WITH LEDs

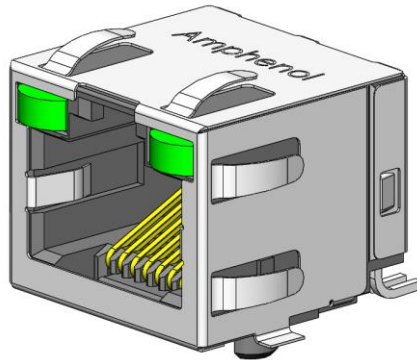


P/N RJHSE-5385-02 SHOWN TWO PORT REGULAR MOUNT, WITH SHIELD AND LEDs

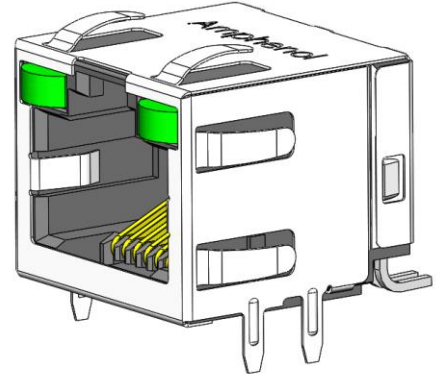
RJSAE



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-5B81-010-2 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:

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

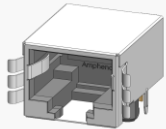
- Analysis Equipment
- Mass Spectrometers

About Amphenol Commercial Products

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

RJULE



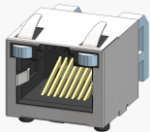
P/N RJULE-4X182-01 SHOWN SINGLE PORT REGULAR MOUNT, STANDARD SHIELD WITH SMT

FRJAE



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

RJSSE



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

ELECTRICAL CHARACTERISTICS

Contact Resistance	20 mΩ maximum
Insulation Resistance	500 MΩ minimum at 500V DC for 2 minutes maximum
Current Rating	1.5 Amps per contact
Voltage Rating	125 Volts AC
DWV	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: 1,000 VAC, 60 Hz, 1 min
LED Forward DC Current	20 mA typical
LED Forward Voltage	1.8-2.6 Volts @ 20mA
LED Reverse Voltage	5 Volts minimum
LED Light Intensity	2 to 20 mcd @ 20mA
LED Wavelength	Yellow: 588 ± 5nm measured @ 20mA Green: 570 ± 5nm measured @ 20mA Red: 628 ± 10nm measured @ 20mA Orange: 605 ± 5nm measured @ 20mA

Supports PoE, PoE+, and PoE++ per IEEE PoE standards
IP20 rated per IEC 60529
TIA-1096 Compliant
IEC 60603-7 Compliant

MECHANICAL CHARACTERISTICS

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

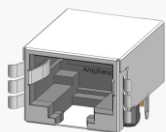
UL File# : E135615
Connectors are suitable for IR Reflow.

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

RJULE



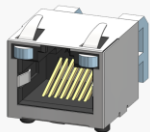
P/N RJULE-4X182-01 SHOWN SINGLE PORT REGULAR MOUNT, STANDARD SHIELD WITH SMT

FRJAE



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

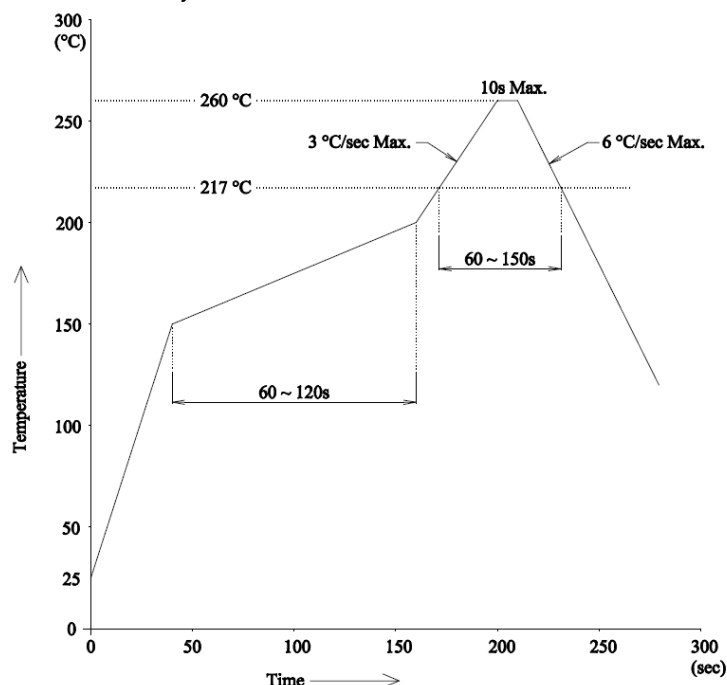
RJSSE



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

RECOMMENDED REFLOW SOLDERING PROFILE

Lead-free assembly:



Above solder profile only for reference, for more information, please refer to standard J-STD-020E

MATERIAL REQUIREMENTS

RJCSE connectors are RoHS compliant.

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

Insulator	High temperature thermoplastic, flammability rating UL 94V-0
Contacts	-Phosphor Bronze hard temper with gold thickness options (6μ", 15μ", 30μ", 50μ") over 50μ" minimum Nickel on contact mating area -100μ" minimum matte-Tin over Nickel on soldering tail
Shield	Stainless steel with matte-Tin plating
LED	Epoxy lens with Tin plating on LED tail
Moisture Sensitivity	MSL-1

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.

RJCSE-538X-02X	Single port, surface mount, shielded with EMI tabs, with LEDs
RJCSE-508X-01X	Single port, surface mount, unshielded, with LED options
RJCSE-308X-01X	Single port, surface mount, unshielded with LED options
RJCSE-338X-01X	Single port, surface mount, with standard shield with top and side tabs, LED options

Amphenol Canada Corp.
605 Milner Avenue
Toronto, Ontario, Canada M1B 5X6

www.amphenolcanada.com (www.amphenol-icc.com)
(416) 291-4401
sales@amphenolcanada.com

Copyright © Amphenol Corporation 2020 - All rights reserved

Page 3 of 3
Amphenol