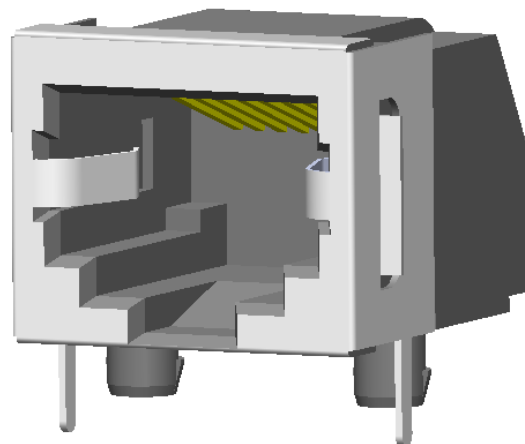


About Amphenol Commercial Products

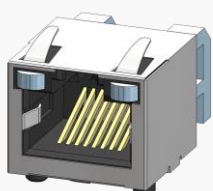
Amphenol's commercial connector products are used in a variety of end user applications including networking, telecom, server & computer, storage & HDD, consumer electronics and entertainment, professional audio & Industrial & Military/Aerospace.



P/N RJE07-188-2X20-H
SHOWN

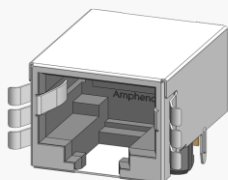
Related Products

RJSSE



P/N RJSSE-5081 SHOWN
SINGLE PORT, 8 POSITION,

RJULE



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

OVERVIEW

This product specification defines the general use and performance parameters for Amphenol's RJE07 series of modular jacks.

Availability: Single port available with shielding options.

USAGE

The RJE07 series of modular jacks supports Ethernet Protocols. Shielding available 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

Networking & Telecom

- 5G Wireless
- Telephones
- Modems
- Fax Machines

Consumer Goods

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

Medical

- Analysis Equipment
- Mass Spectrometers

Industrial and Instrumentation

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

About Amphenol Commercial Products

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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	1000 VAC, 60 HZ. 1 min

Supports PoE, PoE+, and PoE++ per IEEE PoE standards

IP20 rated per IEC 60529

MECHANICAL CHARACTERISTICS

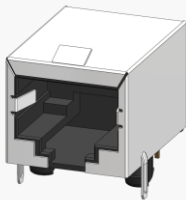
Mating Connector Insertion Force	5.0 lbs maximum
Mating Connector Pull Retention Force	20.0 lbs minimum
Durability	750 mating and unmating cycles for 50μ" gold plating
Recommended Soldering Temperature	Lead free reflow soldering up to 260°C for 10 seconds (refer to reflow profile below, maximum of 3 reflow passes permitted)
Operating Temperature	-40°C to +85°C

UL File #: E136228

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

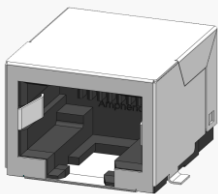
Related Products

FRJAE

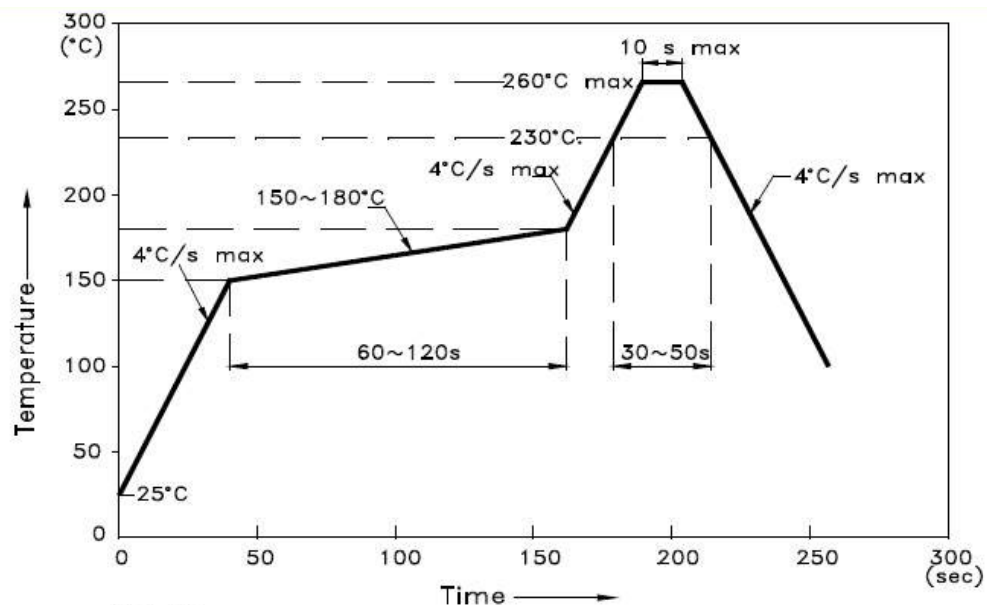


P/N FRJAE-418 SHOWN SINGLE PORT, 8 POSITION, WITH FERRITE FILTER AND SHIELD (FRONT TABS)

RJLSE



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



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Amphenol

About Amphenol Commercial Products

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MATERIAL REQUIREMENTS

RJE07 connectors are RoHS compliant.

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

Insulator	High temperature thermoplastic, complies with 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 on soldering tail
Shield	Copper alloy, Nickel plated with Tin dipped tail

MOISTURE LEVEL SENSITIVITY

The Moisture Level Sensitivity for the RJE07 connector is MSL-2a.

AVAILABLE DOCUMENTS

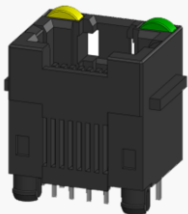
Below is a list of the most popular standard sales drawings:

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

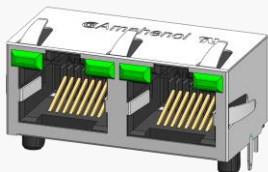
RJE07-1CS-0001	Single port, without shield, without flange
RJE07-166-2X20	Single port, with partial shield, with PCB tails and flange
RJE07-188-0X10	Single port, without shield, without flange
RJE07-188-2X20-H	Single port, with shield, with PCB tails and flange
RJE07-166-3X20	Single port, with partial shield, surface mount tabs with flange

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

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