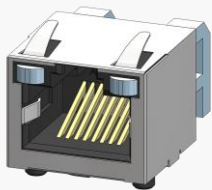


About Amphenol Commercial Products

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.

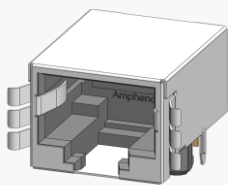
Related Products

RJSSE



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

RJULE



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



P/N RJE56-188-1X10 SHOWN
SINGLE PORT, WITH SHIELD 8
POSITION, 8 PRESS FIT CONTACTS

OVERVIEW

This product specification defines the general use and performance parameters for Amphenol's RJE56 series of modular jacks.

Availability: Single port, 8 position, 8 press fit contacts, shielded version available.

USAGE

The RJE56 series of modular jack supports Ethernet Protocols.

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

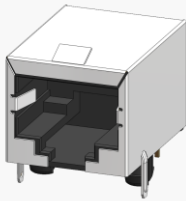
- Analysis Equipment
- Mass Spectrometers

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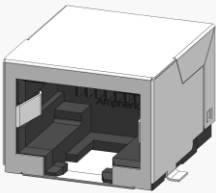
Related Products

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

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	Wave soldering peaked at 260°C for 5 to 8 seconds
Operating Temperature	-40°C to +70°C

MATERIAL REQUIREMENTS

RJE56 connectors are RoHS compliant.

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

Insulator	Engineering thermoplastic, flammability rating UL 94V-0 -Phosphor Bronze hard temper with gold thickness options (6μ", 15μ"
Contacts	30μ", 50μ") over 50μ" minimum Nickel on contact mating area -100μ" minimum matte Tin on press fit tail
Shield	Stainless Steel

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.

RJE56-188-1X10	Single port, press fit, with shield
RJE56-188-0410	Single port, press fit, unshielded