

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

RJSSE

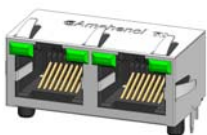


P/N RJSSE-5381 SHOWN
SINGLE PORT, 8 POSITIONS,
WITH SHIELD AND LIGHT PIPE

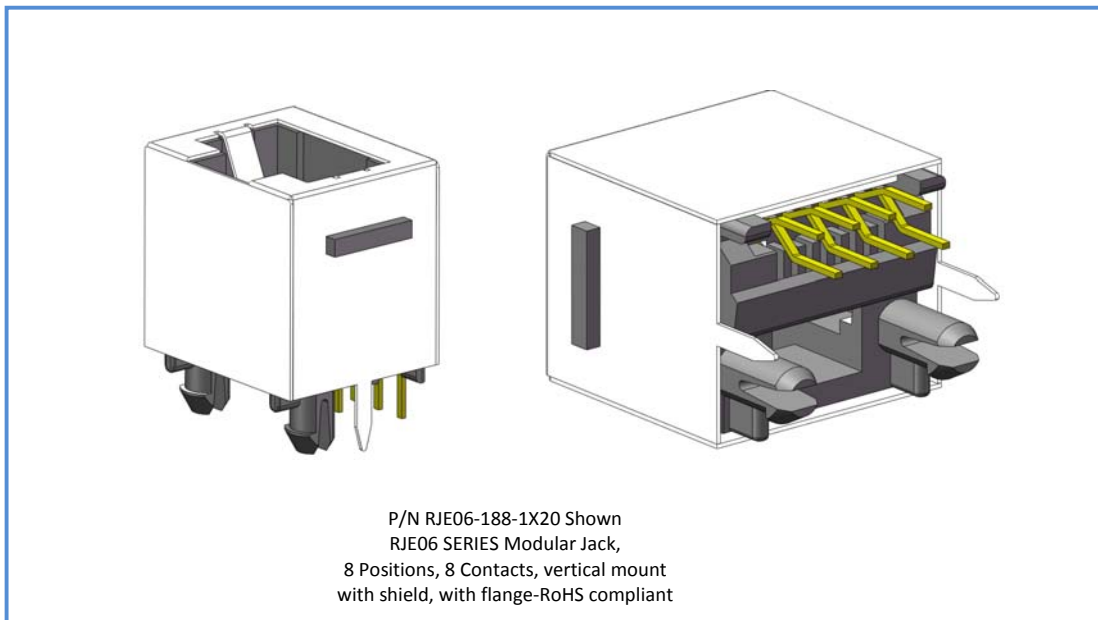
RJHSE



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



P/N RJE06-188-1X20 Shown
RJE06 SERIES Modular Jack,
8 Positions, 8 Contacts, vertical mount
with shield, with flange-RoHS compliant

Overview

This product specification defines the general use and performance parameters for Amphenol's RJE06 series of modular jacks.

Availability: Single port, 6P6C, 8P8C available, flanged and shielding options.

Usage

The RJE06 series of modular jack supports Ethernet Protocols.

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

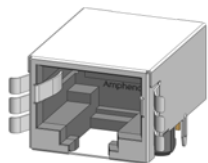
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Related Products

RJULE



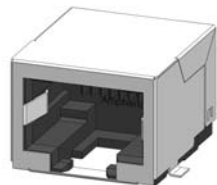
P/N FJULE-4X182-01 SHOWN
SINGLE PORT REGULAR MOUNT,
STANDARD SHIELD WITH SMT

FRJAE



P/N FRJAE-418 SHOWN
SINGLE PORT, 8 POSITIONS,
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 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. |

Mechanical Characteristics

Mating connector insertion force: 5.0 lbs. Maximum.
Mating connector pull retention force: 20 lbs Minimum.
Durability: 750 mating & unmating cycles

Recommended soldering temperature:
Wave soldering peaked at 260° C for 5 seconds

Operating temperature: -40° C to +70° C

Material Requirements

RJE06 connectors are RoHS compliant.
Unless otherwise specified, the materials for each component shall be:

Insulator:

- Engineering thermoplastic material - 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.
- 100μ" minimum matte tin or gold flash plating on tail area.

Shield:

- Copper Alloy, Nickel plating over all

Available Documents

Drawing Numbers:

| | |
|--------------------|--|
| P-RJE06-166-1X10 | RJE06 SERIES, VERTICAL MOUNT, 6P6C, MODULAR JACK, WITH SHIELD-RoHS COMPLIANT |
| P-RJE06-188-0X10 | RJE06 SERIES, 8 POSITIONS, 8 CONTACTS, VERTICAL MOUNT, UNSHIELDED, WITHOUT FLANGE-RoHS COMPLIANT |
| P-RJE06-188-0X1X | RJE06 SERIES, 8 POSITIONS, 8 CONTACTS, VERTICAL MOUNT, NON SHIELDED-RoHS COMPLIANT |
| P-RJE06-188-1X10 | RJE06 SERIES, 8 POSITIONS, 8 CONTACTS, VERTICAL MOUNT, WITH SHIELD, NON FLANGED, -RoHS COMPLIANT |
| P-RJE06-188-1X20-H | RJE06 SERIES, 8 POSITIONS, 8 CONTACTS, VERTICAL MOUNT, WITH SHIELD AND FLANGE-RoHS COMPLIANT |

Contact factory or Authorized Amphenol representative for additional configurations.