RJE71

Product Specification S6062C Rev 1.0

Amphenol

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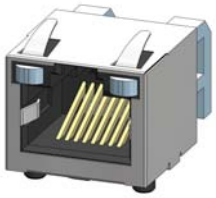
About Amphenol Commercial Products

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

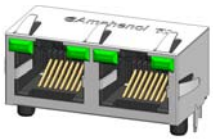
RJSSE



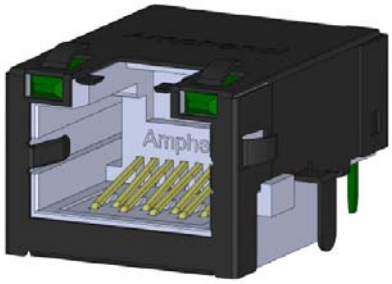
P/N RJSSE-5381 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LIGHT PIPE

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 RJE71-188-1452 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LEDs

Overview

This product specification defines the general use and performance parameters for Amphenol's RJE71 series of modular jacks.

Availability: Single port connectors available with a wide variety of LED and shielding options.

Usage

The RJE71 series of modular jacks meet CAT6 performance per EIA-568-C.2. It supports Gigabit Ethernet Protocols and 10G Ethernet over lengths up to 50M. Shielding available for increased EMI performance and LEDs 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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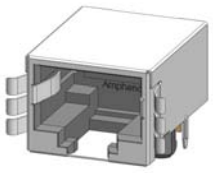
Related Products

RJULE

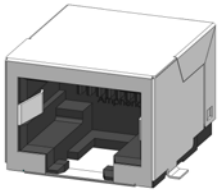


P/N RJULE-4X182-01 SHOWN SINGLE PORT REGULAR MOUNT, STANDARD SHIELD WITH SMT

FRJAE

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

RJLSE



Electrical Characteristics

Contact resistance:	20 mΩ max.
Insulation resistance:	500 MΩ minimum at 500V DC for 2 minutes max.
Current rating:	1.25 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
Operating temperature: -55° C to +85° C
Recommended soldering temperature:
Wave soldering peaked at 260° C for 5 seconds maximum.
Note: IR reflow compatible version also available. Consult factory for details.

Material Requirements

RJE71 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.
- 100µ" minimum matte tin plating on solder tails

Shield:
- Stainless steel with tin dipped tails

LED:
- Tin plating on LED tails

Available Documents

Drawing Numbers:

P-RJE71-188-1XXX	Single port Cat 6 Modular Jack, 8 Position, with LEDs and Shield. Ultra low profile

Contact factory or Authorized Amphenol representative for additional configurations.

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www.amphenolcanada.com

Mouser Electronics

Authorized Distributor

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Amphenol:

RJE7118811D2 RJE7118812T1 RJE711881101 RJE7118813M2 RJE7118811R2 RJE711881213 RJE7118814N1
RJE7118811E2 RJE711881481 RJE7118813J1 RJE7118814A3 RJE711881272 RJE7118814H3 RJE7118813K1
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