

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

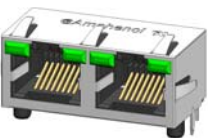


P/N RJSSE-5381 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LIGHT PIPE

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

Overview

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

Availability: Single and multiport versions available with filter and shielding options.

Usage

The FRJAE shielded and filtered modular jacks supports Ethernet Protocols. Shielding available as well as filtering with the use of a high resistivity, high impedance Ferrite block for superior EMC performance.

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

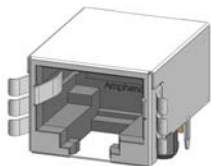
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Related Products

RJULE



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

RJSAE



P/N RJSAE-5385-02 SHOWN
STACKED 2x1, 8 POSITION,
WITH SHIELD AND LEDs

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 maximum.
Suitable for IR Reflow

Operating temperature: -55° C to +85° C

Material Requirements

FRJAE 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 soldering tail

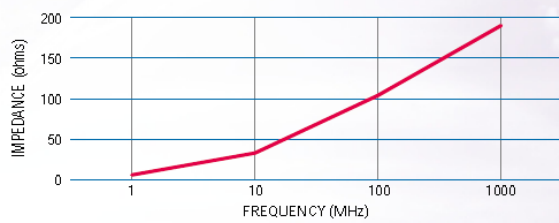
Shield:

- Copper alloy; Nickel plated with pure tin dipped tail

Filter:

- High Impedance, High Resistivity Ferrite block

Impedance Characteristics



Available Documents

Drawing Numbers:

P-FRJAE-XXX-0X 6 & 8 Position, with or without Ferrites, 2, 4 & 8 Ports, Shielded or Unshielded
P-FRJAE-XXX 6 & 8 Position, with or without Ferrites, Single Port, Shielded or Unshielded
Contact factory or Authorized Amphenol representative for additional configurations