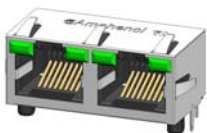### Related Products

RJSSE

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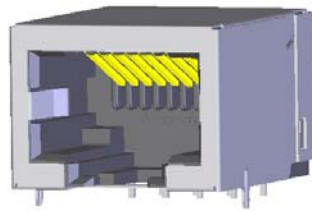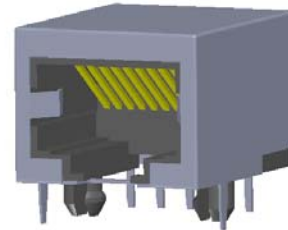SINGLE PORT, 8 POSITION, WITH SHIELD AND LIGHT PIPE

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 RJE05-188-1417H SHOWN

P/N RJE05-1AA-1X10 SHOWN

Overview

This product specification defines the general use and performance parameters for Amphenol's RJE05 series of modular jacks.

Availability:Single port available with shielding options.

Usage

The RJE05 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:
Networking & Telecom
- Wireless (WiMAX)
- Network servers
- Hubs, routers, switches

Office & Home Equipment
- PC's, Laptops, Copiers/Printers
- Telephones, modems
- Surge Protectors
- ATMs, Vending Machines

- Security Systems
- Set Top Boxes
- Video Game Systems

Miscellaneous
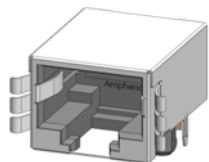- Multi-Media Equipment
- Industrial Equipment
- POS Terminals

Amphenol

Now you're connected!
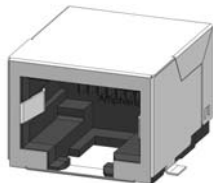
Related Products
RJULE

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

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 maximum.
Connectors with high temp. material are suitable for IR Reflow

Operating temperature: -40° C to +85° C

Material Requirements

RJE05 connectors are RoHS compliant.
Unless otherwise specified, the materials for each component shall be:

Insulator:
- Engineering thermoplastic. Complies with UL 94V-0, Black color.

Contacts:
- Phosphor Bronze hard temper with gold thickness options (6μ", 15μ", 30μ", 50μ") over S50μ" minimum Nickel on contact mating area.
- 100μ" minimum matte tin plating on soldering tail

Shield:
- Copper alloy, Nickel plated with tin dipped tail.

Available Documents

Drawing Numbers:

P-RJE05-166-1417H	Single port modular jack, shielded, 6 position, 6 contacts.
P-RJE05-188-1417H	Single port modular jack, shielded, 8 position, 8 contacts.
P-RJE05-166-0X10	Single port modular jack, 6 position, 6 contacts.
P-RJE05-188-1X10	Single port modular jack, shielded, 8 position, 8 contacts.
P-RJE05-1AA-1X10	Single port modular jack, shielded, 10 position, 10 contacts.

Contact factory or Authorized Amphenol representative for additional configurations

Amphenol Canada Corp.
605 Milner Avenue
Toronto, Ontario, Canada, M1B 5X6
+1 416 291 4401

www.amphenolcanada.com

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