RJHSE

Product Specification S6032C Rev 1.3

Amphenol

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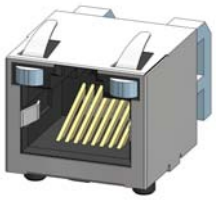
About Amphenol Commercial Products

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

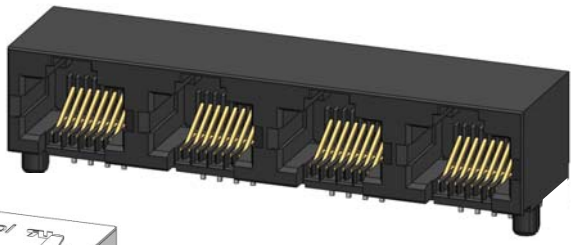
RJSSE



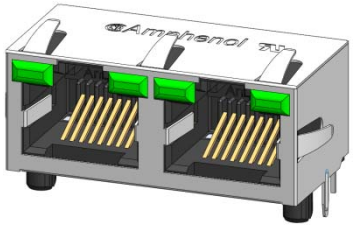
P/N RJSSE-5081 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LIGHT PIPE

RJSAE

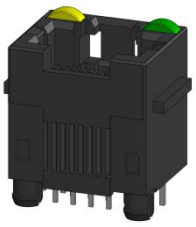
P/N RJSAE-5385-02 SHOWN
STACKED 2x1, 8 POSITION,
WITH SHIELD AND LEDs



P/N RJHSE-G080-04 SHOWN
FOUR PORT REGULAR MOUNT,
NO SHIELD OR LEDs



P/N RJHSE-5385-02 SHOWN
TWO PORT REGULAR MOUNT,
WITH SHIELD AND LEDs



P/N RJHSE-3081 SHOWN
SINGLE PORT VERTICAL MOUNT,
NO SHIELD, WITH LEDs

Overview

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

Availability: Single, multiport, vertical and right angle connectors with a wide variety of LED and shielding options.

Usage

The RJHSE inverted modular jacks with superior EMI performance 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

Consumer Goods
- Security Systems
- Set Top Boxes
- Video Game Systems

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

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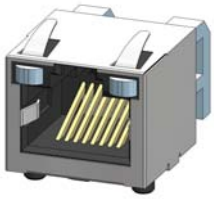
Related Products

RJSSE



P/N RJSSE-5081 SHOWN
SINGLE PORT, 8 POSITION,
WITH SHIELD AND LIGHT PIPE

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.
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
Recommended soldering temperature: Wave soldering peaked at 260° C for 5 seconds maximum.
Connectors without LED's are suitable for IR Reflow

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

Material Requirements

RJHSE 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:
- Stainless Steel with tin dipped tails

LED:
- Tin plating on LED tails

Available Documents

Drawing Numbers:

P-RJHSE-5XXX-XXX	8 Position Modular Jack, optional LEDs and Shielding, 1, 2, 4, 5, 6 and 8 port versions
P-RJHSE-7XXX-XXX	6 Position Modular Jack, Optional LEDs and Shielding, 1, 2 and 4 port versions
P-RJHSE-3XXX-XXX	Vertical Mount, Single Port Modular Jack, Optional LEDs and Shielding
P-RJHSE-LXXX-XXX	Low Profile Modular Jack, Optional LEDs and Shielding, 1 and 2 port versions

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