RJHSE
Product Specification S6032C Rev 1.8
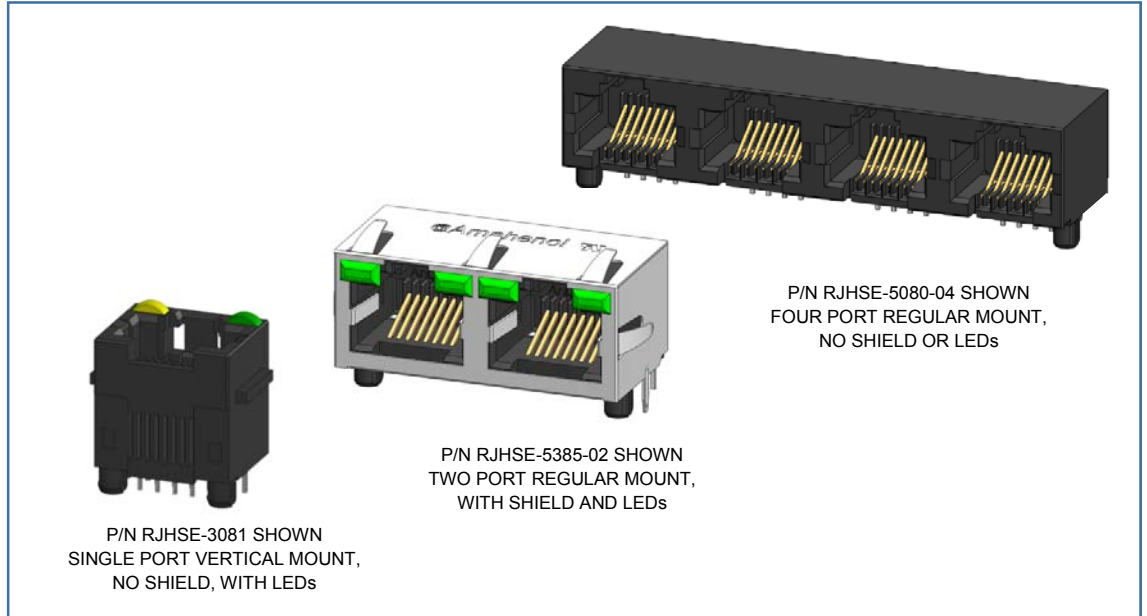
Amphenol

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

RJSAE

P/N RJSAE-5383-02 SHOWN
STACKED 2X1, 8 POSITIONS,
WITH SHIELD AND LEDs

P/N RJHSE-5080-04 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. The RJHSE product line is IEC 60603-7 compliant.

APPLICATIONS

Intended for use in applications such as:

Data
- Storage
- Servers
- Routers
- Switches
- Hubs

Networking & Telecom
- 5G Wireless
- Telephones
- Modems
- Fax Machines

Consumer Goods
- Security Systems
- Set Top Boxes
- Video Game Systems
- PCs, Laptops
- Copiers, Printers

Medical
- Analysis Equipment
- Mass Spectrometers

Industrial and Instrumentation
- Uninterruptible Power Supply (UPS)
- ATMs
- Vending Machines
- POS Terminals
- Industrial IoT Platforms

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Revision Date: MAR 27, 2019

Related Products

RJSSE

P/N RJSSE-5081 SHOWN SINGLE PORT, 8 POSITION

RJSAE

P/N RJSAE-5383-02 SHOWN STACKED 2X1, 8 POSITIONS, 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 per contact
Voltage Rating	125 Volts AC
DWV	1000 VAC, 60 Hz. 1 min
LED Forward DC Current	20mA typical
LED Forward Voltage	2.6 Volts max. @ 20mA (for single colors) 3.4 Volts max. @ 20mA (for white and blue) 2.6 Volts max. @ 20mA (for Bi-colors)
LED Reverse Voltage	5 Volts minimum
LED light intensity	4 to 30 mcd @ 20mA (for single colors) 8 to 20 mcd @ 20mA (for Bi-colors)
LED wavelength	Yellow: 587± 7 nm measured @ 20mA Green: 570± 5 nm measured @ 20mA Red: 628± 10 nm measured @ 20mA

Supports PoE, PoE+, and PoE++ per IEEE PoE standards
IP20 rated per IEC 60529

MECHANICAL CHARACTERISTICS

Mating Connector Insertion Force	5.0 lbs maximum
Mating Connector Pull Retention force	20.0 lbs minimum
Durability	750 mating and unmating cycles for 50µ" gold plating
Recommended Soldering Temperature	Wave soldering peaked at 260^0C for 5 seconds maximum
Operating Temperature	-40^0C to $+85^0$C

UL File #: E135615
Connectors without LEDs are suitable for IR Reflow. Consult sales for LED versions suitable for Reflow.

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
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 finished tails
LED	Tin plating on LED tails

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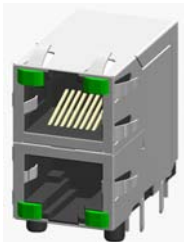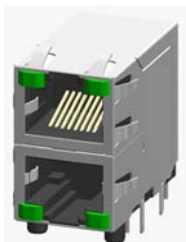
Related Products

RJSSE

P/N RJSSE-5081 SHOWN SINGLE PORT, 8 POSITION

RJSAE

P/N RJSAE-5383-02 SHOWN STACKED 2X1, 8 POSITIONS, WITH SHIELD AND LEDs

AVAILABLE DOCUMENTS

Below is a list of the most popular standard sales drawings:
Contact our website, sales, or an authorized Amphenol representation for additional drawings.

RJHSE-3080	Single port, vertical, no shield, no LEDs
RJHSE-308X	Single port, vertical, no shield, with LEDs
RJHSE-3380	Single port, vertical, with shield, no LEDs
RJHSE-338X	Single port, vertical, with shield, with LEDs
RJHSE-X380	Single port, vertical, with shield, no LEDs
RJHSE-X38X	Single port, right angle, with shield - EMI tabs on top, with LEDs
RJHSE-X480	Single port, right angle, with shield - EMI tabs on top and side, no LEDs
RJHSE-X48X	Single port, right angle, with shield - EMI tabs on top and sides, with LEDs
RJHSE-XF80	Single port, right angle, with shield – no EMI tabs, no LEDs
RJHSE-XF8X	Single port, right angle, with shield - no EMI tabs, with LEDs
RJHSE-X38X-02	Dual port, right angle, with shield - EMI tabs on top, with LEDs
RJHSE-X38X-04	Four port, right angle, with shield - EMI tabs on top, with LEDs
RJHSE-X38X-06	Six port, right angle, with shield - EMI tabs on top, with LEDs
RJHSE-X38X-08	Eight port, right angle, with shield - EMI tabs on top, with LEDs
RJHSE-L08X	Single port, low profile, right angle, no shield, with LEDs
RJHSE-L38X	Single port, low profile, right angle, with shield - EMI tabs on top, with LEDs

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