

Modular Jack – RJHSE Series

TAB-UP, MULTIPORT, RIGHT ANGLE OR VERTICAL WITH SHIELD AND INTEGRATED LEDS

RJHSE series is a robust series of EMI-Quiet Modular Jack connectors with integrated LEDs, ideal for LAN applications such as adapter cards and routers. Vertical single-port and right angle multi-port versions are all available in both 8P8C and 6P6C. This product is ideal for LAN applications such as adapter cards and routers. Shielded and non-shielded versions are available, with a variety of color options for LEDs and housings, as well as several gold plating thicknesses to choose from.

- Standard profile
- Right angle versions are available for 1/2/4/6/8 ports
- Integrated LEDs available in a wide range of colors
- Variety of EMI shielding available
- RoHS compliant

FEATURES

- Available in various shield options
- Variety of LED options
- Wide operating temperature: -55° C to +85°C
- 750 mating & unmating cycles
- With high temperature thermoplastic, connectors without LEDs are suitable for the Reflow process



TARGET MARKETS



BENEFITS

- Accommodates a wide range of EMI needs
- Customers can opt for the LED color of their choice
- Adaptable to a wide range of environmental conditions
- Suitable for applications that require multiple connecting and disconnecting of devices
- Single process for soldering to PCB, saving time and money

TECHNICAL INFORMATION

MATERIAL

- Insulator: High Temperature thermoplastic. Complies with UL 94V-0, Multiple colours available
- Contacts: Phosphor bronze hard temper with gold thickness options (6u", 15u", 30u", 50u") over 50u" min. nickel on contact mating area. 100u" min. matte tin plating on soldering tail
- Shield: Stainless Steel with tin dipped tails
- LED: Pure tin plating on LED tails

ELECTRICAL PERFORMANCE

- Contact Resistance: 20 mΩ max.
- Insulation Resistance: 500 MΩ min. at 500V DC for 2 minutes max.
- Current Rating: 1.5 Amps
- Voltage Rating: 125V AC
- Dielectric Withstanding Voltage: 1000V AC, 60 Hz., 1 minute
- LED Forward DC Current: 20mA typical
- LED Forward Voltage: 1.9 Volts max. @ 2 mA (for single colors), 2.6 Volts max. @ 20 mA (for bicolors)
- LED Reverse Voltage: 5 Volts min.
- LED Light Intensity: 0.4 to 1.5 mcd @ 2 mA (for single colors), 0.5 mcd min. @ 2 mA (for bicolors)
- LED Wave Length: Yellow – 587 +/- 7 nm measured @ 20 mA, Green – 565 +/- 7 nm measured @ 20 mA, Red – 625 +/- 5 nm measured @ 20 mA

MECHANICAL PERFORMANCE

- Mating connector insetion force: 5.0 lbs. max.
- Mating connector pull retention force: 20 lbs min.
- Durability: 750 mating and unmating cycles

SPECIFICATION

- Amphenol Product Specification: S6032C

APPROVALS AND CERTIFICATIONS

- RoHS
- REACH
- UL

ENVIRONMENTAL

- Operating Temperature: -55°C to +85°C
- Recommended soldering temperature: Wave soldering peaked at 260°C for 5 seconds maximum. Connectors without LEDs are suitable for IR Reflow

PACKAGING

- Available in tray, tube, and tape and reel

TARGET MARKETS/APPLICATIONS



5G Wireless
Telephones
Modems
Fax Machines
Copiers/printers



Security Systems
Set Top Boxes
Video Game Systems
PCs
Laptops



Storage
Servers
Routers
Switches
Hubs



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



Analysis equipment
Mass Spectrometers

PART NUMBERS

Product	Description	Part Numbers
RJHSE Modular Jack Series	Single port, right angle, with shield, no LEDs	RJHSE-5380
RJHSE Modular Jack Series	Single port, right angle, with shield, with LEDs	RJHSE-5381
RJHSE Modular Jack Series	Single port, right angle, with shield, with LEDs	RJHSE-5384
RJHSE Modular Jack Series	Single port, right angle, with shield, with LEDs	RJHSE-538A
RJHSE Modular Jack Series	Single port, right angle, with shield, no LEDs	RJHSE-5480
RJHSE Modular Jack Series	Single port, right angle, with shield, with LEDs	RJHSE-5481
RJHSE Modular Jack Series	Single port, right angle, with shield, no LEDs	RJHSE-5F80
RJHSE Modular Jack Series	Single port, right angle, with shield, with LEDs	RJHSE-5F81
RJHSE Modular Jack Series	Dual port, right angle, with shield, with LEDs	RJHSE-5381-02
RJHSE Modular Jack Series	Four port, right angle, with shield, with LEDs	RJHSE-5381-04
RJHSE Modular Jack Series	Six port, right angle, with shield, with LEDs	RJHSE-5381-06
RJHSE Modular Jack Series	Eight port, right angle, with shield, with LEDs	RJHSE-5381-08
RJHSE Modular Jack Series	Single port, vertical, with shield, no LEDs	RJHSE-3380
RJHSE Modular Jack Series	Single port, right angle, with shield, with LEDs	RJHSE-7381

Mouser Electronics

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