

## RJHSE Modular Jack Series

### TAB-UP, MULTI-PORT, 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



Communications



Storage



Consumer Goods  
Home  
Industrial  
Office  
Retail



Medical

## 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