Overview
This product specification defines the general use and performance parameters for Amphenol’s RJSSE Surface Mount series of inverted modular jacks.

Availability: Single and multiport connectors, shielded and unshielded versions available with or without light pipe option.

Usage
The RJSSE Surface Mount modular jacks supports Ethernet Protocols. Shielding available for increased EMI performance and Light Pipes 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

Related Products
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

RJSSE

- P/N RJHSE-5381 SHOWN SINGLE PORT, 8 POSITION, WITH SHIELD AND LIGHT PIPE
- P/N RJHSE-5381-02 SHOWN DOUBLE PORT, 8 POSITION, WITH SHIELD AND LIGHT PIPE

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.

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Revision date: January 25, 2017
**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:** 1500 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
- **Suitable for IR Reflow:** (Light Pipes to be installed after soldering)
- **Recommended soldering temperature:** Lead free reflow soldering up to 260° C for 10 seconds.
  
Refer to recommended reflow profile below. A maximum of three reflow passes are permitted.
Refer to J-STD-033 for safe handling procedures for SMD’s.

**Operating temperature:** -40° C to +85° C
Material Requirements
RJSSE 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 over nickel on soldering tail

Shield:
- Copper alloy; Nickel or Matte Tin plating

Light Pipe:
- Optical grade polycarbonate, UL 94V-0

Available Documents
Drawing Numbers:
- P-RJSSE-508X-XX Surface Mount, 8 Position Modular Jack, Unshielded, optional Light Pipes
- P-RJSSE-5381-04 4 Port, Surface Mount, 8 Position Modular Jack, Shielded with Light Pipes
- P-RJSSE-7061 Surface Mount, 6 Position, Unshielded with Light Pipes

Contact factory or Authorized Amphenol representative for additional configurations