

XMULTIPLE

CONNECTING THE INFORMATION AGE

SURFACE MOUNT RJ/LED CONNECTORS

SURFACE MOUNT LED RJ CONNECTOR JACKS

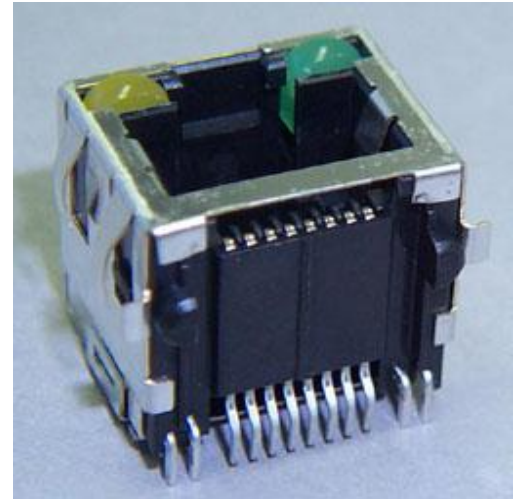
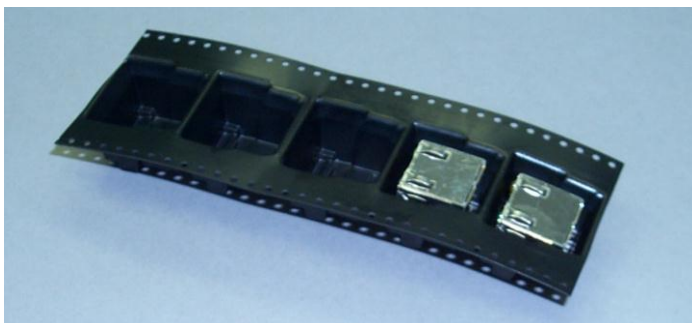
Surface Mount Modular Jacks are available in shielded and unshielded single and dual-port varieties. These jacks are tape and reel packaged for automatic pick and place equipment.

XMULTIPLE Surface Mount LED Modular Jacks are designed under U.S. Patent 4,978,317 consisting of single or multi-port jacks.

The patented LEDs are integrated within the housing of the modular jacks with a one piece construction assuring proper contact of LED pins to the printed circuit board.

The LED functions are transmit/receive, line status and collisions, which can easily be viewed for each port. All jacks are flame retardant. The PC board retention will not dislodge from the PC board when subjected to 1 lb. pull before soldering and 10 lb. pull after soldering.

The XMULTIPLE XRJS series is designed for SMT electronic assembly with the most sophisticated SMT equipment. The XRJS Surface mount LED modular jacks are tape and reel packaged for automatic pick and place SMT equipment. A picture of the tape and reel packaging is shown below. This tape and reel packaging is compatible with all SMT tape and reel equipment.



Features and Benefits

- LEDs integrated directly into SMT jack maintaining compact form requiring less PCB space
- LEDs located at top of jack for effective visibility
- LEDs provided in a variety of colors
- LEDs manufactured under license for U.S. Patent 4,978,317
- Unshielded and shielded versions in popular size configurations. Shielded jacks provide grounding through panel and PC Board
- Lower labor cost during assembly of PCB
- Designed for Direct Surface Mount to PCB with gold plated contacts for lower cost
- Compatible with vapor phase and IR reflow
- Meets or exceeds FCC Part 68 rules and regulations with standard PC board footprints

LED MODULAR JACK SPECIFICATIONS

Electrical

- **Current Rating** - 1.5 amp max. at 25°C
- **Voltage Rating** - 150 VAC max.
- **Dielectric Withstanding Voltage** – 1000 VAC, RMS, 60 Hz, 1 min.
- **Insulation Resistance** – 500 megohms min.
- **Shielding Effectiveness** - 20dB min., 10 to 200 MHz

Mechanical

- **Durability** - 750 mating cycles
- **Mating/Unmating Forces** - 4.5 lbs. Max
- **Operating Temperature** - -40°C to 70°C

Material & Finish

- **Housing** - High temperature Nylon, Black, UL 94V-0 rated
- **Contact** - 0.14 [.036] Phosphor bronze, plated 0.000050 [.00127] gold in localized area and 0.000150 [.00381] tin-Lead on solder tails, over 0.000050 [.00127] nickel underplate
- **Shield** - 0.25 [.010] copper alloy, tin-lead plated

Technical Documents

Application Specifications
XMULTI DOC 122929

Product Specifications
XMULTI DOC 122949

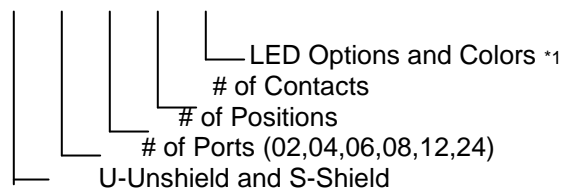
Ordering information

XRJS-X-X-X-X-X

LED Surface Mount Modular Jacks integrated with electronic components. Integrated Ethernet magnetic components are available to a customers specifications.

Part Number Dash Options

X -X -X -X -X



NOTE: *1 LED Color Chart Available
*2 Example (6x8) - 6 Contacts & 8 Positions

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