XMULTIPLE
CONNECTING THE INFORMAITON AGE

RJ/LED STACKED CONNECTORS

XRJD STACKED CONNECTOR SERIES

XMULTIPLE Stacked Modular Jacks are designed consisting of single stacks or multi-port stacked jacks. The XRJD-S-21-8-8-X is a 2 Port (2X1), XRJD-S-22-8-8-X is a 4 port, XRJD-S-23-8-8-X is a 6 port, XRJD-S-24-8-8-X is an 8 Port, XRJD-S-26-8-8-X is a 12 port and XRJD-S-28-8-8-X is an 16 port stacked RJ connector. Each of these products are 8 position side entry shielded PCB jacks.

Stacked Modular Jacks are provided with low profiles, which will allow them to be used with less space. This stacked jacks are provided with and without shielding and are available with or without panel ground.

The XMULTIPLE product lines of stacked Modular Jacks are provided with various gold plating options, and optional housing colors. These high performance category 5 jacks conform to TIA/EIA-568A requirements. The shield consists of copper alloy base metal with tin-lead plating and copper under plating. The jack contacts are overall nickel-plated phosphor bronze, with plated gold in the contact area and tin-lead in the solder area.

The XMULTIPLE Stackable connectors are easy to assemble on printed circuit boards and the LEDs are integrated in the connector in locations in which a user can easily view the LEDs status signals.

PRODUCT FACTS

- Optional Housing Colors (Gray and Black)
- LEDs integrated directly into jack and maintains compact form requires less space
- Various number of ports (2x1=2 / 2x2=4 / 2x3=6 / 2x4=8 / 2x6=12 / 2x8=16)
- LEDs provided in a variety of color option
- LEDs manufactured under license for U.S. Patent 4,978,317
- Reduced labor cost for PCB assembly
- Meets or exceeds FCC Part 68 rules and regulations with standard PC board footprints
- Produced under a Quality Management Certified to ISO 9001

LED MODULAR JACK SPECIFICATIONS

- **Requirements for the ModularJacks**
  - Tests are at ambient environmental conditions: 23+-3°C, 70+-10%RH
- **Electrical characteristics:**
  - Current rating: 1A max.
  - Voltage rating: 150VAC max.
  - Contact resistance: 20mohm max.(30mohm max. after environmental exposure)
  - Dielectric withstanding voltage:
    - At 1,000Vems 1 min.(60Hz) between adjacent contacts
    - At 1,500Vrms 1 min.(60Hz) between shield and contacts
  - Insulation resistance:
    - 500Mohm / 100VDC min. between adjacent contacts
    - 200Mohm / 100VDC min.
    - after environmental exposure
  - Capacitance: <= 10pF at 100KHz
- **Mechanical characteristics:**
  - Contact normal force: 100g min.
  - Insertion force:
    - 2 contacts <= 1.6Kg f
    - 4 contacts <= 1.8Kg f
    - 6 contacts <= 2.1Kg f
    - 8 contacts <= 2.3Kg f
    - 10 contacts <= 2.5Kg f
- **Environmental:**
  - Humidity, steady state:
    - Relative humidity(95%)
    - Temperature: 40°C
    - Test condition: 96 hours
  - High temperature life:
    - Test temperature: 65°C
    - Test duration: 144 hours
  - Durability: number of cycles: 500, contact resistance(30mohm max.)
  - Operating temperature: -40°C to 70°C
- **Material:**
  - Housing: pbt polyester UL-94V-0
  - Mixed glass fiber
  - Standard color: black
  - Terminal: 0.35mm thick phos-bronze plated with hard gold and tin/lead in solder area
  - Shield -0.25mm thick copper alloy, plated with nickel
  - Cavity confirms to FCC rules and regulations part68, subpart F

ORDERING INFORMATION

XRJD-S-21-8-8-X
2x1 (2 Ports) 8 Position Side Entry Shielded PCB RJ Connector
XRJD-S-22-8-8-X
2x2 (4 Ports) 8 Position Side Entry Shielded PCB RJ Connector
XRJD-S-23-8-8-X
2x3 (6 Ports) 8 Position Side Entry Shielded PCB RJ Connector
XRJD-S-24-8-8-X
2x4 (8 Ports) 8 Position Side Entry Shielded PCB RJ Connector
XRJD-S-26-8-8-X
2x6 (12 Ports) 8 Position Side Entry Shielded PCB RJ Connector
XRJD-S-28-8-8-X
2x8 (16 Ports) 8 Position Side Entry Shielded PCB RJ Connector
NOTE: X in the part number denotes the LED Color

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