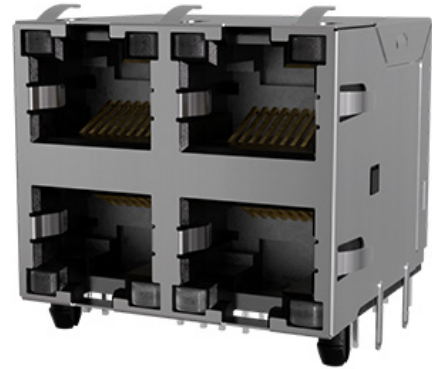


Modular Jack – RJE38 Series

CAT5, STACKED RIGHT-ANGLED, WITH NON-MODULAR HOUSING

The RJE38 single-port series of modular jacks meets Cat 5 performance per EIA-568-C.2 standards. It supports 100BASE-T Ethernet data rate and transmission frequencies up to 100 MHz. The available shielding enhances EMI performance and network speed verification. These connectors are highly durable, with 750 mating and unmating cycles, and support an operating temperature of -55 °C to +85 °C, making them suitable for a wide range of environmental conditions.

- Supports CAT3/5 Ethernet protocols
- Common housing, stacked through-hole
- RoHS compliant



TARGET MARKETS



FEATURES

- Available in 2x1, 2x2 and 2x4 variations
- Standard size
- Accommodates industry-standard plugs
- Wave / reflow compatible
- Board lock option
- Meets CAT5 as per EIA-568-C.2

BENEFITS

- Customers can opt for all stacked RJ45 applications
- Shares same footprint as the RJSAE series
- Mates successfully with all types of standard plugs
- Economical process for soldering to PCB, saving time and money
- Accommodates a wide range of EMI needs
- Supports up to 100BaseT Ethernet

TECHNICAL INFORMATION

MATERIAL

- Insulator: High-temperature engineering thermoplastic; Complies with UL 94 V-0, Black
- Contacts: Phosphor Bronze hard temper with gold thickness options (6μ", 15μ", 30μ", 50μ") over 50μ" min. Nickel on contact mating area. 100μ" min. matte tin plating on soldering tail
- Shield: Copper Alloy, Nickel-plated with tin-dipped tail or Stainless Steel with Tin-dipped tail
- LED: Pure Tin plating on LED tails

ELECTRICAL PERFORMANCE

- Contact Resistance: 20 mΩ max.
- Insulation Resistance: 500MΩ min. at 500 V DC for 2 minutes max.
- Current Rating: 1.5 A
- Voltage Rating: 125 V AC
- DWV: 1000 V AC, 60 Hz., 1 minute

MECHANICAL PERFORMANCE

- Insertion Force: 5 lb max
- Pull Retention Force: 20 lb min.
- Durability: 750 mating cycles
- Operating Temperature: -55 °C to +85 °C
- Recommended Soldering Temperature: Wave soldering, peak 260 °C for 5 s max.

PACKAGING

- Tray
- Tape and reel

APPROVALS & CERTIFICATION

- RoHS
- REACH
- UL

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
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