

### XRJK RJ11/RJ45 CONNECTOR SERIES



The XRJK RJ11 and RJ45 Single port and multi-port modular jacks are for applications requiring printed circuit board mounted, shielded and unshielded modular jacks. The XRJK's are provided with surface or PC board mount. These high performance jacks conform to TIA/EIA-568A requirements.

The XRJK Modular Jacks are offered in compact sizes and meet FCC Rules and Regulations, Part 68. 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 XRJK modular jacks are provided with 1, 2, 4, 6, and 8 ports and stacked 2x1, 2x2, 2x4, 2x6, and 2x8. The modular jacks can be designed into a variety of computer and networking devices with or without shielding.

The XRJK connector series allow the internal and external PCB track lengths to be kept to a minimum, improving EMI performance. XRJK series RJ11 and RJ45 connectors have low profiles and are designed with a narrow width which provides more ports in less space. This important cost savings feature provides a means to free up space on the PCB for other components and connectors.

#### PRODUCT FACTS

- Different configurations for RJ11 and RJ45 modular jacks
- Options: ganged 1,2,3,4,6,8, ports and stacked 2x1, 2x2, 2x4, 2x6 and 2x8
- Available in SMT, Thru-Hole Types
- Optional Shielding on RJ45 Modular Jack
- 100% Tested for Hi-pot
- Profile & narrow width provide more ports in less space
- Unshielded and shielded versions in popular size configurations
- Provides grounding through panel and PC Board, gold plating and solder tails
- Lower labor cost during assembly of PCB
- 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

## Electrical

- **Current Rating** - 1.5 amp max. at 25°C
- **Voltage Rating** - 150 VAC max.
- **Dielectric Withstanding Voltage** – 1000 VAC
- **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** - 0.33 [.013] Phosphor bronze, plated 0.00127 [.000050] gold in localized area and 0.00381 [.000150] tin-lead on solder tails, over 0.00127 [.000050] nickel underplate
- **Shield** - 0.25 [.010] copper alloy, tin-lead plated

## Near End Crosstalk Requirement

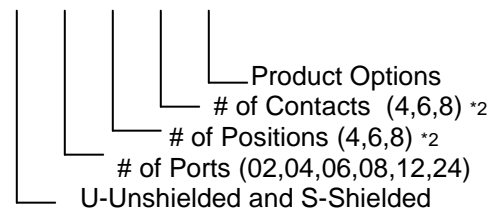
The XRJK Single and Multi-Port Jacks exceed Near End Crosstalk (NEXT) requirements of -40dB at 100 Mhz, on all 4-pair combinations.

## ORDERING INFORMATION

**Part Number:** XRJK-X-X-X-X-XXX  
**Family:** LED Modular Jacks & Non LED Modular Jacks  
**Version:** Position, Through Hole or SMT  
**Number of Contacts & Positions:** (4, 6 or 8)  
**Shielding:** Shielded or Unshielded  
**Number of Ports:** 1, 2, 3, 4, 6, 8, 12, 24  
**LED1:** Green Or Yellow or Bi-LED Optional  
**LED2:** Yellow Or Green or Bi-LED Optional

## PART DASH NUMBER OPTIONS

**X -X -X -X -XXX**



NOTE: \*1 LED Color Chart Available

## XMULTIPLE USA

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