

RJ11 MODULAR JACK CONNECTOR

OVERVIEW

RJ11 is the most commonly recognized registered jack, a standardized telecommunication network interface for connecting voice and data equipment to a telecommunications carrier and is found in homes and offices in most countries for single-line telephones.

This modular jack connector is wired for one analog telephone line, using the centre 2 contacts of 6 available positions (6P2C). It is available in right angle surface mount configuration.

RJ11 is specified with shields to protect against electromagnetic interference (EMI) and radio frequency signals.

FCI's RJ11 is designed to meet Category 3 (Cat 3) cable performance. Cat 3 cable features a 10Mb/s transfer rate and supports a transmission speed of 16MHz. It supports 10Mb/s transmission in accordance with the IEEE802.3u standard.



FEATURES

- Transmission frequencies up to 16MHz
- Right angle surface mount configuration
- Fully polarized housing
- Specified with shields
- UL94V-0 flammability material available
- RoHS compliant and lead-free

BENEFITS

- Suitable for 100BASE-T applications
- Suitable for multiple applications
- Prevents accidental mismatching
- Protection from electromagnetic interference (EMI)
- High flammability rating
- Meets environmental, health and safety requirements



TECHNICAL INFORMATION

MATERIALS

- Housing: High temperature thermoplastic, UL94V-0, Black
- Contact: Copper Alloy with optional 30µ" (0.762µm) and 50µ" (1.25µm) Gold plating
- Metal hold-down: Copper Alloy

ELECTRICAL PERFORMANCE

- Low Level Contact Resistance: 30mΩ max.
- Insulation Resistance: 200MΩ min.
- Voltage Rating: 150Vrms max.
- Current Rating: 1.5A max.

ENVIRONMENTAL

- Operating Temperature: -40°C~+85°C

PART NUMBERS

| Description | Part Number |
|-------------------------------------|-------------|
| RJ11 right angle surface mount type | 10122975 |

MECHANICAL PERFORMANCE

- Mating Force: 2.1kgf max.
- Extraction Force: 7N min.
- Durability: 750 mating cycles

SPECIFICATIONS

- Product Specification: GS-12-1220
- Packaging Specification: on drawing

APPROVALS AND CERTIFICATIONS

- IEEE802.3u
- RoHS compliant

PACKAGING

- Tray
- Tape and Reel

TARGET MARKET/APPLICATIONS

- Consumer
 - Set-top Box
 - Power Board / Surge Protector
 - Telephone
- Communications
 - Asymmetric Digital Subscriber Line (ADSL)
 - GSM Gateway
 - Portable Satellite Terminal
 - Rugged PC
 - Telephone and Audio Multiplexers
- Data
 - Rugged PC
 - Tablet Computer
 - Wireless Router and Modem
- Industrial
 - Industrial Ethernet Extender
 - Interactive Uninterrupted Power Supply (UPS)

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