

# MODULAR JACK CONNECTORS

## OVERVIEW

FCI's Modular Jacks include single and multi-port solutions that are widely used in Telecom, Data, Networking and Home Entertainment markets for various applications.

The product features a simple, flexible and low profile design for LAN application, in particular, the Network Interface Card. Modular Jacks Cat 3 supports the transmission of 16Mbps signals targeted to phone, modem, POS terminal machines and Cat 5 supports the transmission of 100Mbps signals targeted to switch, router, hub, etc.

The design conforms to US Federal Regulations Code, Title 47, part 68, which defines the size and configuration of all units that are permitted for connection to the public exchange facilities.



## FEATURES & BENEFITS

- Right angle or vertical
- Through mount or surface mount (SMT)
- Cat3, Cat5 performance category 4, 6, 8 positions, fully or selectively loaded
- Single to stacked multi-ports
- Shielded or non-shielded
- Flanged or flangless versions
- Inverted latch options
- Standard or low profile versions
- Snap or diamond pegs options

## TARGET MARKETS/APPLICATIONS

- Networking
  - Network servers
  - Hubs
  - Routers
  - Ethernet switches
- Computers and peripherals
  - Laptops
  - Modems
- Telecom
  - PBX system
  - Fax machines
  - Phone line security systems
  - Telephone, cellular and mobile phones
- Office and home equipment
  - ATMs
  - Point of sales terminals
  - Vending machines
  - Security systems
  - Set-top boxes
  - Medical analysis equipment



## TECHNICAL INFORMATION

### MATERIALS

- Housing: Glass filled, self extinguishing thermoplastic
- Flammability rating: UL94V-0
- Pin: Copper alloy
- Plating: Au or GXT over 1.27µm (50µin.) nickel

### ELECTRICAL PERFORMANCE

- Current rating: 3A continuous
- Insulation resistance: 500MΩ min.
- Dielectric withstanding voltage: 1500V min.

### ENVIRONMENTAL

- Operating Temperature Range: -65°C to 125°C

### MECHANICAL PERFORMANCE

- Pin retention to housing: 10 N min.
- Durability: 250 – 2500 cycles

### SPECIFICATIONS

- Product specification: Refer to drawing
- Packaging specification: Refer to drawing

### PACKAGING

- Tray
- Tape & Reel

### APPROVALS & CERTIFICATIONS

- RoHS compatible according to the European Union Directive 2002/95/EC

## PART NUMBERS

Single Port Cat3		Positions	Pegs	Part Series
Right	Through Mount	4, 6, 8 4, 6 8, 10	Snap Snap Snap	87180 / 54601 / 88400 (660101/ 66011-inverted) / 54602
	SMT	4 6 8		73306 73305 73304
Straight	Through Mount	4	Snap	90511
		4	Diamond	69253
		6	Snap	90512 / 10037501
		6	Diamond	69254
	8	Diamond	69255	
SMT	4 6 8		87543 / 98431 87545 / 98432 / 98433 (keyed)	

Single Port Cat3		Ports	Shield	Part Series
Right	Through Mount	4, 8	Yes	94910
		2, 4, 7, 8	No	94911
		2 (6P+6P)	No	10053565
		2x4 (Stacked)	Yes	74633
Straight	Through Mount	3 (4P+4P+6P)	No	92266

Single Port Cat5		Ports	Shield	Part Series
Right Angle	Through Mount	4, 8 (filter)	Yes	95672
		4, 8	Yes	95678
		2, 4, 6, 8	No	95679

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