FCI

MODULAR JACK CONNECTORS

DESCRIPTION

FCI 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 confirms 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, polyamide or HTN
- Flammability rating: UL 94V-0
- Pin: Copper alloy
- Plating: Au or GXT over 1.27µm (50µ") nickel

ELECTRICAL PERFORMANCE
- Current rating: 3A continuous
- Insulation resistance: 500 MΩ minimum
- Dielectric withstanding voltage: 1500V minimum

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

MECHANICAL PERFORMANCE
- Pin retention to housing: 10N minimum
- Durability: 250 ~ 2500 cycles

SPECIFICATIONS
- Product Specification: Refer to drawing
- Packaging Specification: Refer to drawing

PACKAGING
- Tray
- Tape & Reel

ROHS INFORMATION
- This product is RoHS compatible according to the European Union Directive 2002/95/EC

PART NUMBERS

Single Port Cat3		Positions	Pegs	Part Series
Right Angle	Through Mount	4, 6, 8	Snap	87180 / 54601
		8, 10	Snap	54602
	SMT	4		73306
		6		73305
		8		73304
Straight	Through Mount	4	Snap	90511
		4	Diamond	69253
		6	Snap	90512
		6	Diamond	69254
		8	Diamond	69255
	SMT	4		87543 / 98431
		6		87545 / 98432 / 98433 (keyed)
		8		87547 / 98435 / 87549 (keyed)
Multiport Cat3		**Ports**	**Shield**	**Part Series**
Right Angle	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
Multiport Cat5		**Ports**	**Shield**	**Part Series**
Right Angle	Through Mount	4, 8 (filter)	Yes	95672
		4, 8	Yes	95678
		2, 4, 6, 8	No	95679

For more information on FCI's Modular Jack product portfolio, please visit: **www.fci.com/modjacks**

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