

Mini PCI Connector



Mini PCI Type III Connector



Description

The FCI Mini PCI type III connector is in compliance with the electrical and mechanical requirements of the Mini PCI specification. The Mini PCI type III connector is a single piece, R/A SMT edge card connector designed to mate with a Mini PCI type III module. Mini PCI contact system durability rating is a minimum of 50 insertion / withdrawal cycles. FCI's Mini PCI connector series provides a low cost and simplistic one-piece surface mount design.

Features

- Meets Mini PCI electrical and mechanical requirements
124 position connector on 0.8mm centerlines
- Copper alloy contacts plated with gold flash
- Copper alloy ground contacts plated with tin
- High temperature thermoplastic housing
- Rated for 50 Mini PCI module insertion / withdrawal cycle
- 4.0mm (0mm Stand-off) & 5.2mm (1.2mm Stand-off) height
- Light-weight highly reliable over molded plastic latches with Grand terminal
- Packaged in trays

Benefits

- Excellent co-planarity by both side arms with over mold technology
- Avoid competitor's arm & latches patent by over mold technology

Target Markets

- Mobile computing

Target Applications

- Mobile computers



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Technical Features

Materials

- Housing: High temperature LCP, UL 94V-O
- Contact: Copper Alloy
- Plating
 - Terminal: Contact Area: Au gold flash over Ni
 - Solder area: Tin lead
 - Grand terminal: Tin over Ni

Electrical Performance

- Insulation resistance: 500Mohm minimum initial
- Withstanding voltage: 250 Volts rms, 1 minute
- Current rating: 0.5 Amp per contact

- Contact resistance: 30 Mohm maximum initial, 50mohm maximum after testing
- Meets electrical performance of the Mini PCI specification

Mechanical Performance

- Mating force: 51.5N maximum
- Meets mechanical performance per the Mini PCI specification
- Mating cycles: 50 cycles

Mating Data

- Mates with Mini PCI type III module

Specifications

- Mini PCI specification
- FCI Product Specification 100-458

Packaging

- All parts packaged in trays, 20 pcs. per tray, 8 trays per box (160 pcs./box), 5 boxes per shipping carton (800 pcs. per shipping carton)

Ordering Data

- 62629-001: 4.0mm height (0mm stand off)
- 54900-001: 5.2mm height (1.2mm stand off)



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