

Compact Flash Header

Product Description

FCI's Compact Flash header series provides a low-cost, one-piece surface mount design. FCI offers "eject" and "non-eject" styles which are compatible with both Type I & II Compact Flash memory cards. FCI's Compact Flash header series meets the Compact Flash Association (CFA) specifications for known reliability and offers the following design features and benefits.

Features

- Accepts Type I & II Compact Flash cards
- Surface Mount In-Line (SMTIL) headers
- 2.2 mm PCB stand-off height
- Double row (2x25) 1.27 mm (.050 in.) at card interface and 0.635 mm (.025 in.) SMTIL tails
- One-piece design available in eject & non-eject styles
- Compact, light weight, robust design
- Highly reliable eject header with dual point eject mechanism
- Packaged in trays
- Meets CFA standard for known reliability

Benefits

- Polarized lead-in feature on header prevents incorrect insertion of the Compact Flash card
- High temperature plastic compatible with re-flow soldering
- Reliable eject feature that is built onto the header provides a single part number solution



Target Markets

- Mobile computing
- Datacom
- Consumer
- Industrial & Instrumentation

Target Applications

- Mobile computers
- Digital cameras
- Printers
- Electronic games
- Television set-top boxes
- Medical & Industrial Instrumentation
- Handheld data collection devices
- PCMCIA applications and designs that require downsizing to small form factor cards

Materials

- HousingHigh temperature LCP, UL 94 V-0
- ContactCopper alloy
- Plating Contact area0.2 μm Gold
 Solder tail2 μm Tin-Lead
 Under plating1 μm Nickel

Electrical Performance

- Insulation resistance1,000 M Ω min. initial,
 100 M Ω min. after 1 minute
 at 500 V dc
- Withstanding voltage500 rms, 1 minute
- Current rating0.5 amp per contact
- Contact resistance40 m Ω max. initial,
 60 m Ω max. after testing
- Meets electrical performance of the Compact Flash specification

Mechanical Performance

- Mating force28.8 N max.
- Unmating force4.9 N min. and 24.5 N max.
- Meets mechanical performance of the Compact Flash specification
- Mating cycles
 - Harsh environment5,000
 - Office environment10,000

Mating Data

- Mates with FCI Compact Flash (CF) receptacle and card kit:
73279-003CF Receptacle (50 position)
62195-002,-003CF upper cover
62197-001,-003CF bottom cover

Specifications

- Compact Flash specification revision 1.4
- FCI product specification 110-404

Packaging

- All parts packaged in trays
15 pieces per tray
4 Trays per box (60 pieces per box)
4 Boxes per shipping carton (240 pieces per shipping carton)

Part Number

- 62451-022LEject header
- 62453-022Non-eject header

For options or additional product information, call your local FCI representative.



FCI connects the world

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