

# 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

- Housing .....High temperature LCP, UL 94 V-0
- Contact .....Copper alloy
- Plating           Contact area .....0.2  $\mu\text{m}$  Gold  
                      Solder tail .....2 $\mu\text{m}$  Tin-Lead  
                      Under plating .....1  $\mu\text{m}$  Nickel

## Electrical Performance

- Insulation resistance .....1,000 M $\Omega$  min. initial,  
  100 M $\Omega$  min. after 1 minute  
  at 500 V dc
- Withstanding voltage .....500 rms, 1 minute
- Current rating .....0.5 amp per contact
- Contact resistance .....40 m $\Omega$  max. initial,  
  60 m $\Omega$  max. after testing
- Meets electrical performance of the Compact Flash specification

## Mechanical Performance

- Mating force .....28.8 N max.
- Unmating force .....4.9 N min. and 24.5 N max.
- Meets mechanical performance of the Compact Flash specification
- Mating cycles
  - Harsh environment .....5,000
  - Office environment .....10,000

## Mating Data

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

- 62451-022L .....Eject header
- 62453-022 .....Non-eject header

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



FCI connects the world

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