Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

**FCI**
FRAMATOME GROUP

## 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

# Technical Data ◢

## Materials

- Housing ................High temperature LCP, UL 94 V-0
- Contact ................................................Copper alloy
- Plating         Contact area ............0.2 μm Gold
                   Solder tail ..............2μm Tin-Lead
                   Under plating ............1 μm Nickel

## Electrical Performance

- Insulation resistance ................1,000 MΩ min. initial,
  100 MΩ min. after 1 minute
  at 500 V dc
- Withstanding voltage ...................500 rms, 1 minute
- Current rating ............................0.5 amp per contact
- Contact resistance ........................40 mΩ max. initial,
  60 mΩ 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**

Internet: www.fciconnect.com