

Compact Flash Type I Card Kit

Product Description

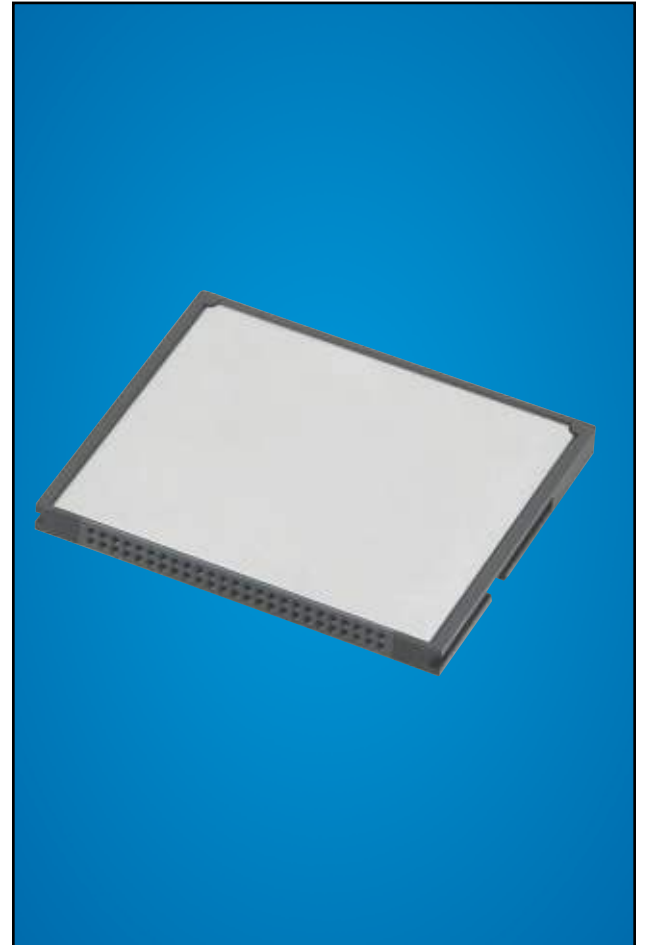
The FCI Compact Flash card kit has been designed to meet all aspects of the Compact Flash standard. This version was designed with an extremely rugged concept including a stainless cover kit with unique mechanical latches and an integrated plastic frame on the shield to reduce the number of components. These special features optimize the ease of assembly requiring only a mechanical press. Current use for the Compact Flash card is primarily found in digital cameras and mobile computers.

Features

- Rugged design
- Polarized
- Stainless steel shielding
- Patented high-density Micro-Tri-Beam™ connector system
- Mechanical latches
- One-mold frame integrated onto shield
- 50-position receptacle
- Optional insulator inside metal cover
- Assembly only requires a mechanical press

Benefits

- The rugged design exceeds the Compact Flash standard
- Polarization prevents incorrect insertion of the Compact Flash card
- The Micro-Tri-Beam™ connector system ensures reliable electrical performance
- Does not require ultrasonic welding for assembly



Target Markets

- Mobile computing
- Consumer
- Industrial & instrumentation

Target Applications

- Mobile computers
- Digital cameras
- Printers
- High-speed disk drives
- Medical & industrial instrumentation

Materials

- Cover
- Framethermoplastic PBT UL94V-O
- Shieldstainless steel
- Connectorblack HSG-LCP (UL94V-O)
- Contactcopper alloy with 0.2 μm Au plating over Pd/Ni
- Solder tails2.5 μm Sn/Pb minimum

Electrical Performance

- Contact resistance40 m Ω maximum initial, 60 m Ω maximum after testing
- Current rating0.5 Amp per contact
- Meets electrical performance of the Compact Flash specification
- Insulation resistance1,000M Ω minimum initial, 100M Ω minimum after 1 minute at 500Vdc
- Dielectric withstanding voltageno shorting during 1 minute at 500Vac rms with 1mA maximum current leakage

Mechanical Performance

- Mating force28.8N maximum
- Unmating force4.9N minimum, 24.5N maximum
- Meets the mechanical performance for the Compact Flash specification
- Mating cycles
- Harsh environment5,000
- Office environment10,000

Mating Data

- Mates with FCI Compact Flash eject and non-eject headers

Specifications

- Compact Flash specification 1.3

Packaging

- All parts packaged in trays

Ordering Data

- 62195-002upper cover, no insulator
- 62195-003upper cover, with insulator
- 62197-001lower cover, with insulator (style 1)
- 62197-003lower cover, with insulator (style 2)
- 73279-00350-position straddle mount receptacle, Compact Flash receptacle
- 411311-001application tool

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



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