

# Compact Flash Type I Card Kit

## Product Description

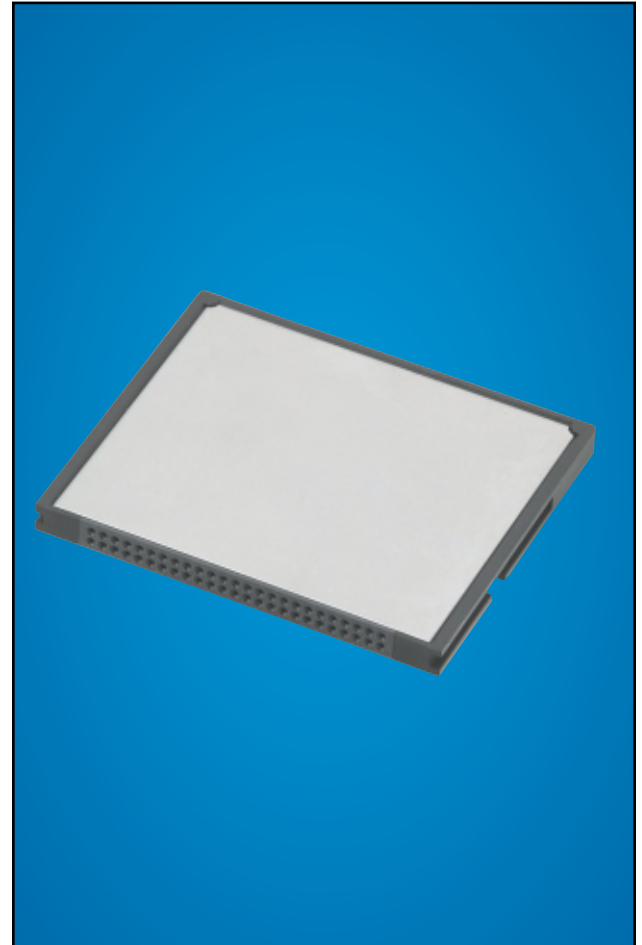
The FCI Compact Flash card kit has been designed to meet all aspects of the Compact Flash standard. This version was designed with an extremely rugged concept including a stainless cover kit with unique mechanical latches and an integrated plastic frame on the shield to reduce the number of components. 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
- Frame .....thermoplastic PBT UL94V-O
- Shield .....stainless steel
- Connector .....black HSG-LCP (UL94V-O)
- Contact .....copper alloy with 0.2  $\mu\text{m}$  Au plating over Pd/Ni
- Solder tails .....2.5  $\mu\text{m}$  Sn/Pb minimum

## Electrical Performance

- Contact resistance .....40 m $\Omega$  maximum initial, 60 m $\Omega$  maximum after testing
- Current rating .....0.5 Amp per contact
- Meets electrical performance of the Compact Flash specification
- Insulation resistance .....1,000M $\Omega$  minimum initial, 100M $\Omega$  minimum after 1 minute at 500Vdc
- Dielectric withstanding voltage .....no shorting during 1 minute at 500Vac rms with 1mA maximum current leakage

## Mechanical Performance

- Mating force .....28.8N maximum
- Unmating force .....4.9N minimum, 24.5N maximum
- Meets the mechanical performance for the Compact Flash specification
- Mating cycles
- Harsh environment .....5,000
- Office environment .....10,000

## 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

- 62195-002 .....upper cover, no insulator
- 62195-003 .....upper cover, with insulator
- 62197-001 .....lower cover, with insulator (style 1)
- 62197-003 .....lower cover, with insulator (style 2)
- 73279-003 .....50-position straddle mount receptacle, Compact Flash receptacle
- 411311-001 .....application tool

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



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