Industrial CompactFlash Card

CFXXXXXRX-XXXXXXXX

1. Description

CFXXXXXXRX-XXXXXXXX series is CompactFlash Storage Card based on FLASH memory controller technology. This card

complies with **CompactFlash_** specification; it is suitable for the usage of data storage memory for PC or other electric equipment and digital still camera. This card is equipped with NAND flash memory.

The Host system which is connected to Industrial CompactFlash_ Storage Card should meet system requirements at minimum.

The CFC setting to Fixed or Removable mode will no any function different or issue.
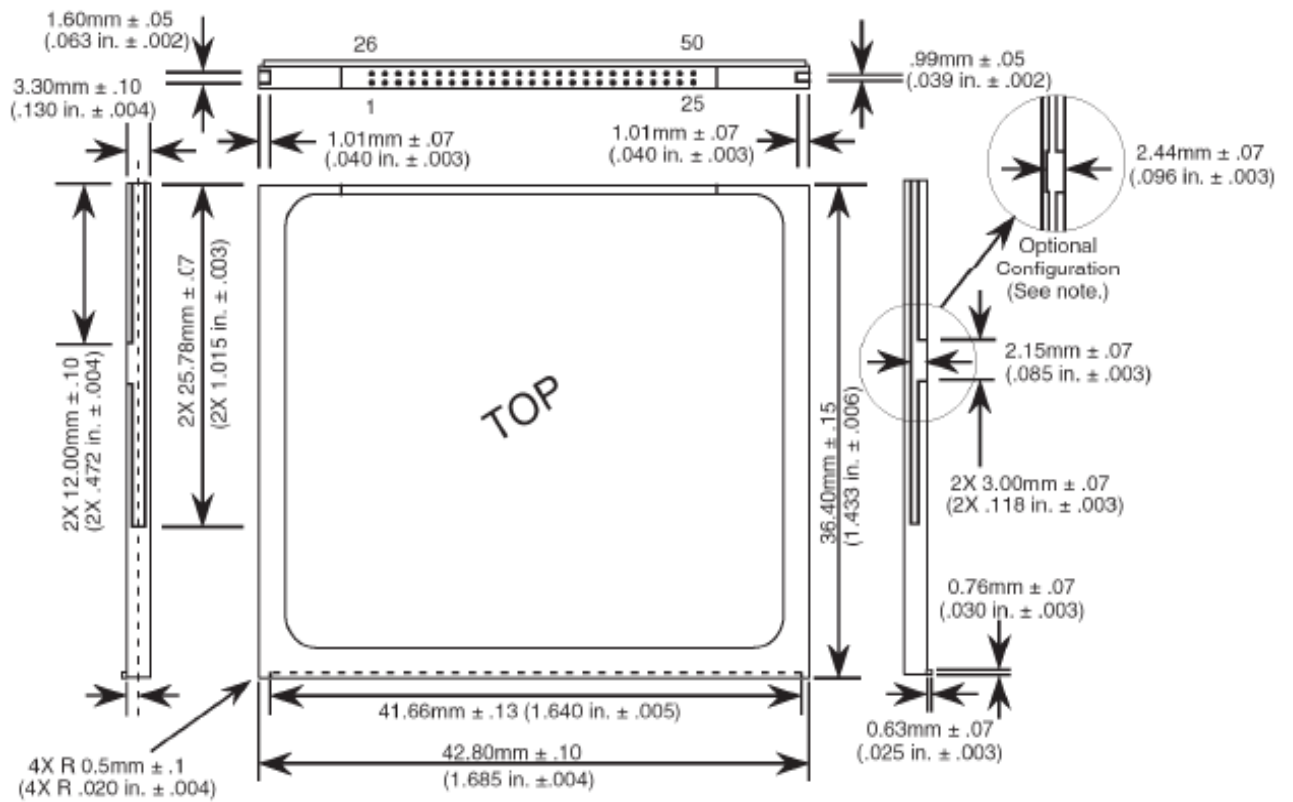
2. Features

■ Flash memory card capacity support list below:

➤ 128MB
➤ 256MB
➤ 512MB
➤ 1GB
➤ 2GB
➤ 4GB
➤ 8GB
➤ 16GB

- ■ CompactFlash_ specification: CF4.1,PCMCIA ver.2.1 and PC Card ATA ver.2.01 compatible 50pin SMT connector and type I (3.3mm).
- ■ 3.3V/5V single power supply operation.
- ■ 3 variations of access mode:
- ■ Industrial PC and Thin Client.
- ■ Memory Card Mode.
- ■ I/O Card Mode.
- ■ True-IDE Mode.
- ■ True IDE Mode supports:
- ■ Ultra DMA Modes: 0, 1, 2, 3, 4, and 5.
- ■ PIO Modes: 0, 1, 2, 3, 4, 5, and 6.
- ■ Multi-Word DMA Modes 0, 1, 2, 3 and 4.
- ■ High reliability based on internal ECC (Error Correcting Code) Function.
- ■ Wear-leveling support

- ■ Adjustable delta value
- ■ Stable delta value by erase count increase
- ■ Endurance: 100,000 erase/program cycles (SLC flash)
- ■ Operation Temperature range:
- ■ Normal Temp: 0 to 70 ℃. Storage Temperature range: -40 to 85 ℃.
- ■ Wide-Temp:-40 to 85 ℃. Storage Temperature range: -40 to 85 ℃.
- ■ Data Performance Speed
- ■ Read: Up to 50.0 MB/sec
- ■ Write: Up to 30.0 MB/sec

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8. Physical outline

Note: The optional notched configuration was shown in the CF Specification Rev. 1.0. In specification Rev. 1.2, the notch was removed for ease of tooling. This optional configuration can be used but it is not recommended.

9. Ordering Information

Table 5: CF Card Ordering Information

P/N	Capacity(Max)	Remark
CFC128MR1-B002A001	128MB	Normal
CFC256MR1-B102A001	256MB	
CFC512MR1-B202A001	512MB	
CFC001GR2-B302A001	1G	
CFC002GR2-B302A001	2G	
CFC004GR2-B402A001	4G	
CFC008GR2-B502A005	8G	
CFC016GR2-B502A005	16G	
CFI128MR1-B003A004	128MB	Wide-Temp
CFI256MR1-B103A004	256MB	
CFI512MR1-B203A004	512MB	
CFI001GR2-B303A004	1G	
CFI002GR2-B303A004	2G	
CFI004GR2-B403A004	4G	
CFI008GR2-B503A005	8G	
CFI016GR2-B503A005	16G	

10. Contact Information

A+CPI, a storage business company, specializes in the design and marketing of SSD, EDM, and Industry CF products.

For further information, please reach us at the following contact information:

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