Apacer



The Most **Reliable** Storage For Industries

Industrial CFIII (SLC)



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Overview



The Industrial CFIII cards are specifically designed for industrial and mission-critical applications, to meet the strict demands of high-end equipment that run at extreme temperature. Besides, it is with shock and vibration resistance, less power consumption, and higher error detection and correction capabilities, providing industrial users with durability and reliability. For value-added function, Apacer's CFIII series support S.M.A.R.T., which gives a notification as the card approaches the end of its life cycle. It is designed for use in Point of Sale (POS) terminals, telecom, IP-STB, medical instruments, surveillance systems, industrial PCs and handheld applications.*The actual available memory on the device is less than what is listed on the package. This is due to small discrepancies in file formats and algorithms used by various operating systems. In addition, a portion of memory space is reserved for system files and data sectors for better performance.

Feature

· Compliant with CFA 3.0 Specification

· Built-in ATA Secure Erase and S.M.A.R.T. Functions

· Advanced wear-leveling and Block Management

· Power Failure Management

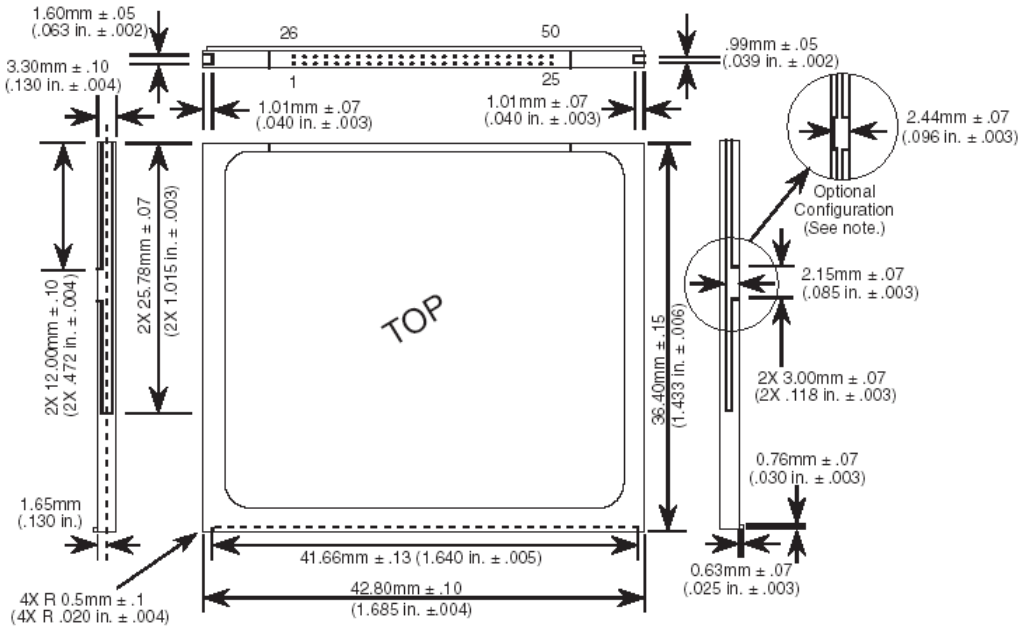
· Wide Temp.

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Specifications

Model	Industrial CFIII (SLC)
Interface	PC Card Memory Mode; PC Card I/O Mode; True IDE Mode
Connector	50-pin
Form Factor	CompactFlash Type I
Transfer Mode	PIO Mode-6; MWDMA Mode-4; UDMA Mode-4
NAND Flash Type	SLC
Capacity	128MB~16GB
Sustained Read Performance (MB/sec)	Up to 29
Sustained Write Performance (MB/sec)	Up to 15
ECC Engine	Built-in 5-bit per 512 bytes BCH ECC
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
Shock	Non-Operation: 1,500G (X, Y, Z ; All 6 axes)
Vibration	Non-operation: 15 G, 10 ~ 2000 Hz/sine
Operating Voltage	3.3 V / 5.0 V ± 5%
Power Consumption	Operating Voltage: 3.3V – Active mode: 80 mA – Sleep mode: 700 uA Operating Voltage: 5.0V – Active mode: 95 mA – Sleep mode: 900 uA
Dimension (L x W x H)	36.4mm x 42.8mm x 3.3mm
MTBF (hours)	>2,000,000

Mechanical Specification



Unit: mm

For more information, contact your Apacer representative

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