

PCcardsDirect.com

CFS

CFast Card

Industrial Grade NAND Flash Memory

Product Specification

V1.0



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1. Description

PCcardsDirect Industrial CFast Cards are Industrial Temperature Grade rated at -40C ~ +85C to fulfill various specialized applications in harsh operating environments. As SDHC has improved upon the traditional SD card, CFast has improved the read write speeds while still offering the Compact Flash form factor and now with a SATA interface. CFast supports both SATA I/II interfaces to achieve faster transfer rates. Fully compatible with devices and supports the SATA II 3.0Gbps standard. Capacities from 1GB up to 16GB are available.



1.1 Features

- SATA II Compatibility
- Supports SLC NAND Memory
- Industrial Temperature rated at -40°C ~ +85°C
- Advanced Wear Leveling algorithms for better ECC management



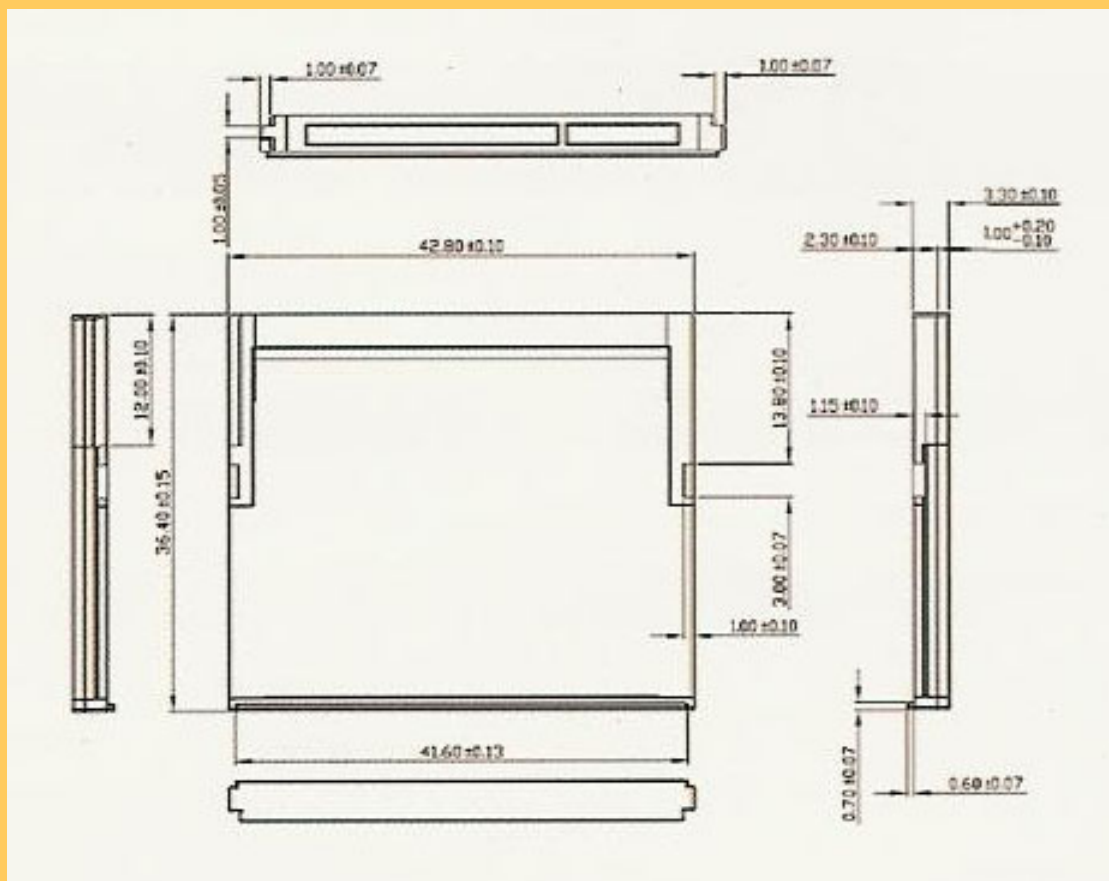
1.2 System Specifications

General Specification	
Flash Technology	NAND Type Flash Memory Based
Compatibility	Serial ATA II
Form Type	Type I (36.4 x 42.8 x 3.3)
Flash Capacity	up to 32GB
Media Transfer Rate	Sequential Read SLC: 95MB/sec max Sequential Write SLC: 80MB/sec max
Support	Error Correcting Code (ECC) / Wear-Leveling and advanced bad sector management algorithms
Environment Specification	
Standard Operating Temperature	0°C ~ +70°C
Wide Operating Temperature	-40°C ~ +85°C
Supported OS	Windows XP / Windows 2000 Windows Vista / Windows 7
System Reliability	
MTBF	more than 2 Million HRS
Endurance	more than 2 Million CYCLES
Power Voltage	+3.3V ± 10%
Power Consumption	200 mA(MAX)



2. Physical Specifications

Parameter	Description
Weight	11g
Length	36.40 mm
Width	42.80 mm
Thickness	3.3 mm



3. Ordering Information

Capacity	Part Number
1GB	PCDCFF1024MBI
2GB	PCDCFF2048MBI
4GB	PCDCFF4096MBI
8GB	PCDCFF8192MBI
16GB	PCDCFF016GBI

