Industrial MLC SD Card



Features

- Support static and global wear leveling
- S.M.A.R.T Supported
- Intelligent system for error recovery
- Excellent data transfer speed
- Enhanced power cycling
- Golden finger 30u”

R: 19MB W: 10MB | S.M.A.R.T | Wear Leveling | SPI Mode Support | ECC Engine | Enhanced Power Cycling

Specifications

Interface	9 pin SD standard
Flash Type	MLC (Multi Level Cell)
Density	4GB~64GB
Transfer Mode	SD and SPI mode
Sustained R/W Performance	Read： 19 MB/sec (max.) Write： 10 MB/sec (max.)

Environmental

DC Input	2.7V to 3.6V
Power consumption (Max.)	Read: 40 mA Write: 60 mA Idle: 180 uA
Operating Temperature	0˚C~+70˚C (Standard Grade) -20˚C~+85˚C (Extended Grade)
Storage Temperature	-55˚C~+95˚C
Humidity	Relative Humidity: 10-95%, non-condensing
Flash Endurance	3,000 program/erase cycles
MTBF	> 3,000,000 hours
Certification	CE, FCC, RoHS
Warranty	2 years

Mechanicals

Dimension (W x L x H)	24mm x 32mm x 2.1mm
Weight	2.1g±0.05g
Vibration	7 Hz to 2K Hz, , 3 axes
Shock	Duration: 0.5ms, 1500G, 3 axes

Health monitoring Tool

S.M.A.R.T.	Supported

Ordering Information

Capacity	Standard Grade	Extended Grade
4GB	DS2A-04GI81C1N	DS2A-04GI81E1N
8GB	DS2A-08GI81C1N	DS2A-08GI81E1N
16GB	DS2A-16GI81C1N	DS2A-16GI81E1N
32GB	DS2A-32GI81C1N	DS2A-32GI81E1N
64GB	DS2A-64GI81C1N	DS2A-64GI81E1N

DESIGN ◎ SERVICE ◎ QUALITY ◎ DELIVERY

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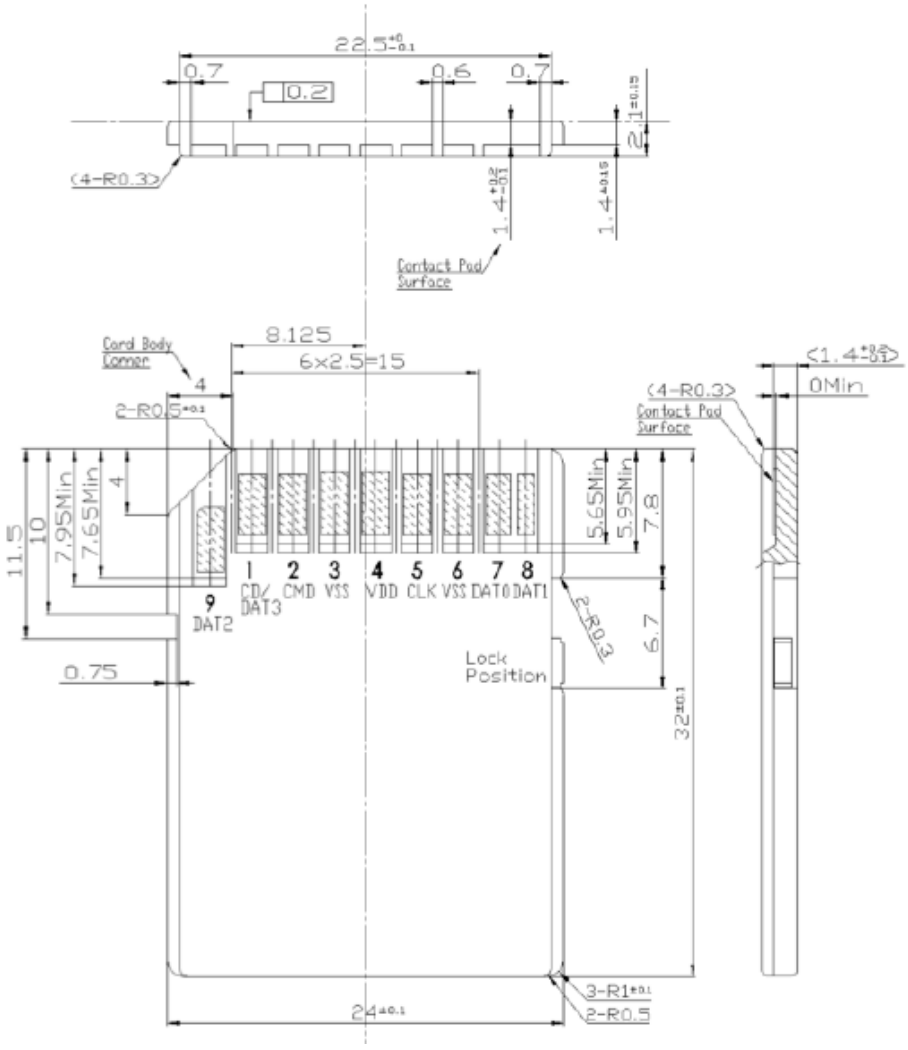
Mechanical Dimension



Tolerance ± 0.15

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