

SQF-P10

Industrial CompactFlash



Specifications

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|-------------------------------|---|
| Capacity | 256MB/1G/2G/4G/8G/16G/32G |
| Flash Type | Toshiba 43nm SLC |
| Compatibility | CF 3.0, PC Card, Socket's Services |
| Form Factor | CF Type-I |
| Voltage | 3.3 V / 5.0 V |
| Data Transfer Mode | PIO Mode-6 MWDMA Mode-2 UDMA Mode-5 |
| Sustained R/W Performance (*) | 4 channel: 83/87 MB/sec 2 channel: 43/40 MB/sec 1 channel: 22/15 MB/sec |
| Operation Temperature | Commercial Grade: 0 to +70° C Extended Grade: -40 to +85° C |
| Host interface | 8/16 bit access |
| ECC (BCH) | Correct up to 6/12 random bits/sector |
| Endurance | > 5,000,000 program/erase cycles |
| MTBF | > 6,000,000 hours |
| Shock resistance | 1,500 G, Peak / 0.5 ms |
| Vibration resistance | 20 G, Peak / 80 ~ 2000 Hz |

(*)The values are for reference only; they may change according to the flash memory used.

Ordering Information

| Part No. | Product Description |
|--------------------|--|
| SQF-P10S1-256M-CT2 | SQFlash 256MB CF 43nm, 1-CH, DMA (0 ~ 70° C) |
| SQF-P10S1-1G-CT2 | SQFlash 1G CF 43nm, 1-CH, DMA (0 ~ 70° C) |
| SQF-P10S2-2G-CT2 | SQFlash 2G CF 43nm, 2-CH, DMA (0 ~ 70° C) |
| SQF-P10S2-4G-CT2 | SQFlash 4G CF 43nm, 2-CH, DMA (0 ~ 70° C) |
| SQF-P10S2-8G-CT2 | SQFlash 8G CF 43nm, 2-CH, DMA (0 ~ 70° C) |
| SQF-P10S2-16G-CT2 | SQFlash 16G CF 43nm, 2-CH, DMA (0 ~ 70° C) |
| SQF-P10S4-32G-CT2 | SQFlash 32G CF 43nm, 4-CH, DMA (0 ~ 70° C) |
| SQF-P10S1-1G-ET2 | SQFlash 1G CF 43nm, 1-CH, DMA (-40 ~ 85° C) |
| SQF-P10S2-2G-ET2 | SQFlash 2G CF 43nm, 2-CH, DMA (-40 ~ 85° C) |
| SQF-P10S2-4G-ET2 | SQFlash 4G CF 43nm, 2-CH, DMA (-40 ~ 85° C) |
| SQF-P10S2-8G-ET2 | SQFlash 8G CF 43nm, 2-CH, DMA (-40 ~ 85° C) |
| SQF-P10S2-16G-ET2 | SQFlash 16G CF 43nm, 2-CH, DMA (-40 ~ 85° C) |
| SQF-P10S4-32G-ET2 | SQFlash 32G CF 43nm, 4-CH, DMA (-40 ~ 85° C) |

Features

- Compliant with CFA 3.0 specification
- Built-in EDC/ECC up to 12 random bit errors per 512 bytes
- Advanced wear-leveling and block management
- Shock resistance, anti-vibration and low power consumption
- GUI Management Tool & Software API Package

GUI Management Tool & Software API Package

