Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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SQF-S10 630
SATA III (6.0Gb) CFast

RoHS COMPLIANT 2002/95/EC CE FCC

Flash Security ID | Life Monitoring | Flash Lock | Emergency Erase

Features

- Compliant with standard CFast card Type 1 specifications
- Interface: SATA Gen. 3
- Supports 72 bit ECC correct per 1K Byte data
- Universal wear-leveling and bad block management
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

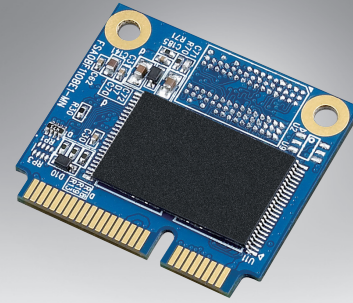| Connector Type	CFast Type 1 Connector
Flash type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 32GB Ultra MLC: 4 to 32GB MLC: 4 to 64GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 500/150 MB/sec MLC: up to 250/100 MB/sec
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Endurance	2,000,000 program/erase cycles
Dimensions (mm)	42.8 x 36.4 x 3.3

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

Ordering Information

PN	Description
SQF-S10S1-1G-S9C	SQFlash 630 series CFast SLC, DMA, 1 GB (0 ~ 70° C)
SQF-S10S1-1G-S9E	SQFlash 630 series CFast SLC, DMA, 1 GB (-40 ~ 85° C)
SQF-S10S2-XG-S9C	SQFlash 630 series CFast SLC, DMA, 2/4/8/16/32 GB (0 ~ 70° C)
SQF-S10S2-XG-S9E	SQFlash 630 series CFast SLC, DMA, 2/4/8/16/32 GB (-40 ~ 85° C)
SQF-S10U2-XG-S9C	SQFlash 630 series CFast Ultra MLC, DMA, 4/8/16/32 GB (0 ~ 70° C)
SQF-S10U2-XG-S9E	SQFlash 630 series CFast Ultra MLC, DMA, 4/8/16/32 GB (-40 ~ 85° C)
SQF-S10M1-4G-S9C	SQFlash 630 series CFast MLC, DMA, 4 GB (0 ~ 70° C)
SQF-S10M1-4G-S9E	SQFlash 630 series CFast MLC, DMA, 4 GB (-40 ~ 85° C)
SQF-S10M2-XG-S9C	SQFlash 630 series CFast MLC, DMA, 8/16/32/64 GB (0 ~ 70° C)
SQF-S10M2-XG-S9E	SQFlash 630 series CFast MLC, DMA, 8/16/32/64 GB (-40 ~ 85° C)

Note: X stands for different capacities

SQF-SHM 630
SATA III (6.0Gb) Half-Size mSATA

RoHS COMPLIANT 2002/95/EC CE FCC

Flash Security ID | Life Monitoring | Flash Lock | Emergency Erase

Features

- Half-Size Mini PCIe Form Factor
- Interface: SATA Gen. 3
- Supports 72 bit ECC correct per 1K Byte data
- Universal wear-leveling and bad block management
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

Connector Type	Mini PCIe 52pin connector with SATA pin-out
Flash type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 32GB Ultra MLC: 4 to 32GB MLC: 4 to 64GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 130/100 MB/sec MLC: up to 250/100 MB/sec
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Endurance	2,000,000 program/erase cycles
Dimensions (mm)	26.8 x 30 x 4.2

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

Ordering Information

PN	Description
SQF-SHMS1-1G-S9C	SQFlash 630 series HS mSATA SLC, DMA, 1 GB (0 ~ 70° C)
SQF-SHMS1-1G-S9E	SQFlash 630 series HS mSATA SLC, DMA, 1 GB (-40 ~ 85° C)
SQF-SHMS2-XG-S9C	SQFlash 630 series HS mSATA SLC, DMA, 2/4/8/16/32 GB (0 ~ 70° C)
SQF-SHMS2-XG-S9E	SQFlash 630 series HS mSATA SLC, DMA, 2/4/8/16/32 GB (-40 ~ 85° C)
SQF-SHMU2-XG-S9C	SQFlash 630 series HS mSATA Ultra MLC, DMA, 4/8/16/32 GB (0 ~ 70° C)
SQF-SHMU2-XG-S9E	SQFlash 630 series HS mSATA Ultra MLC, DMA, 4/8/16/32 GB (-40 ~ 85° C)
SQF-SHMM1-4G-S9C	SQFlash 630 series HS mSATA MLC, DMA, 4 GB (0 ~ 70° C)
SQF-SHMM1-4G-S9E	SQFlash 630 series HS mSATA MLC, DMA, 4 GB (-40 ~ 85° C)
SQF-SHMM2-XG-S9C	SQFlash 630 series HS mSATA MLC, DMA, 8/16/32/64 GB (0 ~ 70° C)
SQF-SHMM2-XG-S9E	SQFlash 630 series HS mSATA MLC, DMA, 8/16/32/64 GB (-40 ~ 85° C)

Note: X stands for different capacities

All product specifications are subject to change without notice

Last updated : 15-Apr-2014