



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

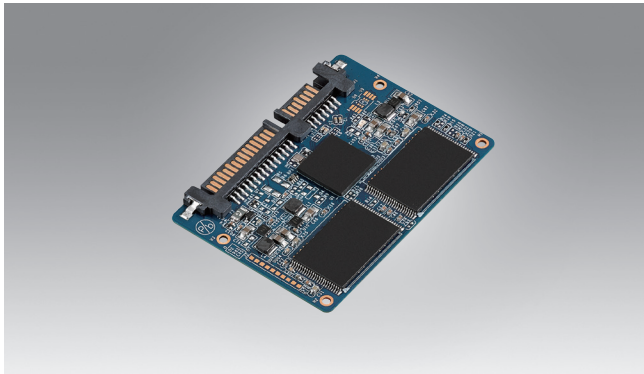
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SQF-SLM 630

SATA III (6.0Gb) Half-Slim Module



Flash Security ID



Life Monitoring



Flash Lock



Emergency Erase

Features

- MO-297 Half-Slim SATA module
- Compliant with SATA III and SATA v 3.0 standard
- Supports 72 bit ECC correct per 1K Byte data
- Low power consumption SATA III storage module
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package
- Supports hardware write protect

Specifications

Connector Type	Standard 7+15-pin SATA connector
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 64GB Ultra MLC: 8 to 128GB MLC: 4 to 256GB
Transfer Mode	SATA III (6.0 Gbps)
Max. Power Consumption	370 mA
Sustained R/W Performance*	SLC and MLC up to 510/150 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
Dimensions (mm)	54.0 x 39.0 x 4.5

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

Ordering Information

PN	Description
SQF-SLMS1-1G-S9C	SQFlash 630 series SATA Slim 1 GB SLC, 1-CH (0 ~ 70 °C)
SQF-SLMS1-1G-S9E	SQFlash 630 series SATA Slim 1 GB SLC, 1-CH (-40 ~ 85 °C)
SQF-SLMS2-2G-S9C	SQFlash 630 series SATA Slim 2 GB SLC, 2-CH (0 ~ 70 °C)
SQF-SLMS2-2G-S9E	SQFlash 630 series SATA Slim 2 GB SLC, 2-CH (-40 ~ 85 °C)
SQF-SLMS4-XG-S9C	SQFlash 630 series SATA Slim 4/8/16/32/64 GB SLC, 4-CH (0 ~ 70 °C)
SQF-SLMS4-XG-S9E	SQFlash 630 series SATA Slim 4/8/16/32/64 GB SLC, 4-CH (-40 ~ 85 °C)
SQF-SLMU4-XG-S9C	SQFlash 630 series SATA Slim Ultra MLC, DMA, 8/16/32/64/128 GB (0 ~ 70 °C)
SQF-SLMU4-XG-S9E	SQFlash 630 series SATA Slim Ultra MLC, DMA, 8/16/32/64/128 GB (-40 ~ 85 °C)
SQF-SLMM1-4G-S9C	SQFlash 630 series SATA Slim 4 GB MLC, 1-CH (0 ~ 70 °C)
SQF-SLMM1-4G-S9E	SQFlash 630 series SATA Slim 4 GB MLC, 1-CH (-40 ~ 85 °C)
SQF-SLMM2-8G-S9C	SQFlash 630 series SATA Slim 8 GB MLC, 2-CH (0 ~ 70 °C)
SQF-SLMM2-8G-S9E	SQFlash 630 series SATA Slim 8 GB MLC, 2-CH (-40 ~ 85 °C)
SQF-SLMM4-XG-S9C	SQFlash 630 series SATA Slim 16/32/64/128/256 GB MLC, 4-CH (0 ~ 70 °C)
SQF-SLMM4-XG-S9E	SQFlash 630 series SATA Slim 16/32/64/128/256 GB MLC, 4-CH (-40 ~ 85 °C)

Note: X stands for different capacities

SQF-S10 630

SATA III (6.0Gb) CFast



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 64GB MLC: 4 to 128GB
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
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, 4/8/16/32/64 GB (0 ~ 70 °C)
SQF-S10U2-XG-S9E	SQFlash 630 series CFast Ultra MLC, DMA, 4/8/16/32/64 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, 8/16/32/64/128 GB (0 ~ 70 °C)
SQF-S10M2-XG-S9E	SQFlash 630 series CFast MLC, DMA, 8/16/32/64/128 GB (-40 ~ 85 °C)

Note: X stands for different capacities