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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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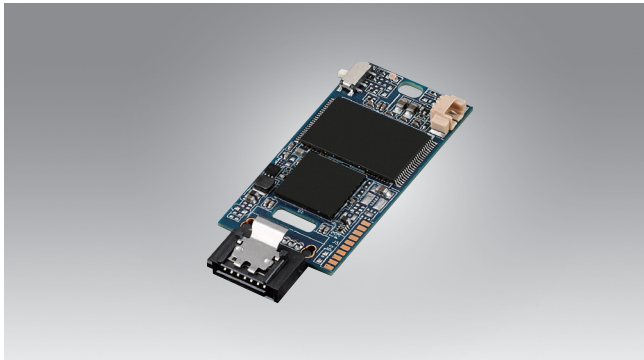


# SQF-SDM 630

## SATA III (6.0Gb) Disk Module

# SQF-SUS 630

## SATA III (6.0Gb) Disk Module



Flash Security ID



Life Monitoring



Flash Lock



Emergency Erase

### Features

- Compliant with SATA III and SATA v3.0 standard
- 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
- Supports hardware write protect

### Specifications

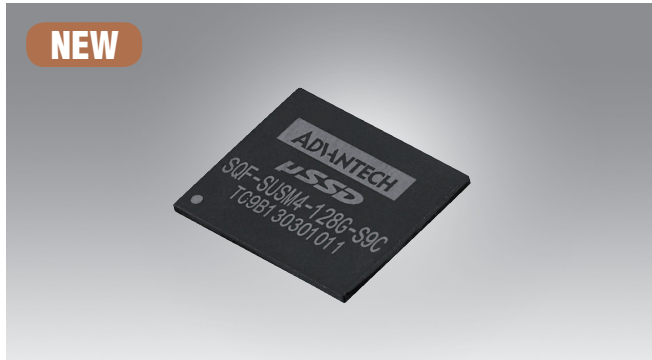
Connector Type	Standard 7-pin SATA connector
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 32GB Ultra MLC: 4 to 128GB MLC: 4 to 256GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance*	SLC: up to 500/150 MB/sec MLC: up to 525/200 MB/sec
Operating Temperature	Commercial grade: 0 to +70 °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)	44.7 x 11.2 x 4.2

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

### Ordering Information

PN	Description
SQF-SDMS1-1G-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 1 GB (0 ~ 70 °C)
SQF-SDMS1-1G-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 1 GB (-40 ~ 85 °C)
SQF-SDMS2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 2/4/8/16/32 GB (0 ~ 70 °C)
SQF-SDMS2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) SLC, DMA, 2/4/8/16/32 GB (-40 ~ 85 °C)
SQF-SDMU2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) Ultra MLC, DMA, 4/8/16/32/64/128 GB (0 ~ 70 °C)
SQF-SDMU2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) Ultra MLC, DMA, 4/8/16/32/64/128 GB (-40 ~ 85 °C)
SQF-SDMM1-4G-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 4 GB (0 ~ 70 °C)
SQF-SDMM1-4G-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 4 GB (-40 ~ 85 °C)
SQF-SDMM2-XG-S9C(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 8/16/32/64/128/256 GB (0 ~ 70 °C)
SQF-SDMM2-XG-S9E(T/B)	SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 8/16/32/64/128/256 GB (-40 ~ 85 °C)

Note: X stands for different capacities



**NEW**



Flash Security ID



Life Monitoring



Flash Lock



Emergency Erase

### Features

- Compliant with SATA III and SATA v3.0 standard
- Single chip package SSD
- 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	Onboard SSD
Flash Type	Ultra MLC / MLC
Capacity	Ultra MLC: 2 to 32GB MLC: 4 to 64GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance*	Ultra MLC: up to 490/180 MB/sec MLC: up to 480/180 MB/sec
Operating Temperature	Commercial grade: -20 ~ +85 °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)	16 x 20 x 1.4

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

### Ordering Information

PN	Description
SQF-SUSU1-2G-S9C	SQFlash 630 series Micro SSD Ultra MLC, 2 GB (-20 ~ 85 °C)
SQF-SUSU2-xG-S9C	SQFlash 630 series Micro SSD Ultra MLC, 4/8 GB (-20 ~ 85 °C)
SQF-SUSU4-xG-S9C	SQFlash 630 series Micro SSD Ultra MLC, 16/32 GB (-20 ~ 85 °C)
SQF-SUSU1-2G-S9E	SQFlash 630 series Micro SSD Ultra MLC, 2 GB (-40 ~ 85 °C)
SQF-SUSU2-xG-S9E	SQFlash 630 series Micro SSD Ultra MLC, 4/8 GB (-40 ~ 85 °C)
SQF-SUSU4-xG-S9E	SQFlash 630 series Micro SSD Ultra MLC, 16/32 GB (-40 ~ 85 °C)
SQF-SUSM1-4G-S9C	SQFlash 630 series Micro SSD MLC, 4 GB (-20 ~ 85 °C)
SQF-SUSM2-xG-S9C	SQFlash 630 series Micro SSD MLC, 8/16 GB (-20 ~ 85 °C)
SQF-SUSM4-xG-S9C	SQFlash 630 series Micro SSD MLC, 32/64 GB (-20 ~ 85 °C)
SQF-SUSM1-4G-S9E	SQFlash 630 series Micro SSD MLC, 4 GB (-40 ~ 85 °C)
SQF-SUSM2-xG-S9E	SQFlash 630 series Micro SSD MLC, 8/16 GB (-40 ~ 85 °C)
SQF-SUSM4-xG-S9E	SQFlash 630 series Micro SSD MLC, 32/64 GB (-40 ~ 85 °C)

Note: X stands for different capacities