

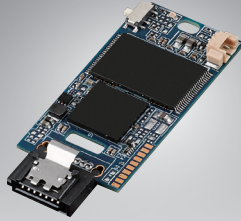
SQF-SDM 630

SATA III (6.0Gb) Disk Module

SQF-SDM 530

SATA III (6.0Gb) Disk Module

NEW



RoHS COMPLIANT 2002/95/EC CE FCC



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 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) | 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 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 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 GB (0 ~ 70° C) |
| SQF-SDMM2-XG-S9E(T/B) | SQFlash 630 series SATA DOM V (Top/Bottom) MLC, DMA, 8/16/32/64 GB (-40 ~ 85° C) |

Note: X stands for different capacities

NEW



RoHS COMPLIANT 2002/95/EC CE FCC

Features

- Vertical type SATA DOM with housing
- Compliant with SATA III and SATA v3.0 standard
- Supports 40 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 | Standard 7-pin SATA connector |
| Flash Type | SLC / MLC |
| Capacity | SLC: 2 to 32GB MLC: 8 to 128GB |
| Transfer Mode | SATA III (6.0 Gbps) |
| Sustained R/W Performance (*) | SLC: up to 120/100 MB/sec MLC: up to 450/150 MB/sec |
| Operating Temperature | Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C |
| Shock Resistance | 1500, peak / 0.5 ms |
| Vibration Resistance | 20 G, peak / 80 ~ 2000 Hz |
| Endurance | 2,000,000 program/erase cycles |
| Dimensions (mm) | 39.4 (L) x 25 (W) x 6.5 (H) |

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

Ordering Information

| PN | Description |
|-------------------|--|
| SQF-SDMS2-2G-J6C | SQFlash 530 series SATA DOM V 2 GB SLC 2-CH (0 ~ 70° C) |
| SQF-SDMS2-2G-J6E | SQFlash 530 series SATA DOM V 2 GB SLC 2-CH (-40 ~ 85° C) |
| SQF-SDMS4-XG-J6C | SQFlash 530 series SATA DOM V 4/8/16/32/64 GB SLC 4-CH (0 ~ 70° C) |
| SQF-SDMS4-XG-J6E | SQFlash 530 series SATA DOM V 4/8/16/32/64 GB SLC 4-CH (-40 ~ 85° C) |
| SQF-SDMM1-8G-J6C | SQFlash 530 series SATA DOM V 8 GB MLC 1-CH (0 ~ 70° C) |
| SQF-SDMM1-8G-J6E | SQFlash 530 series SATA DOM V 8 GB MLC 1-CH (-40 ~ 85° C) |
| SQF-SDMM2-16G-J6C | SQFlash 530 series SATA DOM V 16 GB MLC 2-CH (0 ~ 70° C) |
| SQF-SDMM2-16G-J6E | SQFlash 530 series SATA DOM V 16 GB MLC 2-CH (-40 ~ 85° C) |
| SQF-SDMM4-XG-J6C | SQFlash 530 series SATA DOM V 32/64/128 GB MLC 4-CH (0 ~ 70° C) |
| SQF-SDMM4-XG-J6E | SQFlash 530 series SATA DOM V 32/64/128 GB MLC 4-CH (-40 ~ 85° C) |

Note: X stands for different capacities