

# SQF-S10 630

## SATA III (6.0Gb) CFast

NEW



### 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<br>Ultra MLC: 4 to 32GB<br>MLC: 4 to 64GB         |
| Transfer Mode                 | SATA III (6.0 Gbps)                                              |
| Sustained R/W Performance (*) | SLC: up to 500/150 MB/sec<br>MLC: up to 250/100 MB/sec           |
| Operating Temperature         | Commercial grade: 0 to +70° C<br>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

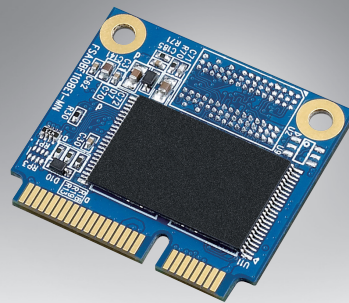
| PN               | Description                                                         |
|------------------|---------------------------------------------------------------------|
| SQF-S10S1-1G-S9C | SQFlash 630 series CFast SLC, DMA, 1 GB (0 ~ 70° C)                 |
| SQF-S10S1-1G-S9E | SQFlash 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

NEW



### 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<br>Ultra MLC: 4 to 32GB<br>MLC: 4 to 64GB         |
| Transfer Mode                 | SATA III (6.0 Gbps)                                              |
| Sustained R/W Performance (*) | SLC: up to 130/100 MB/sec<br>MLC: up to 250/100 MB/sec           |
| Operating Temperature         | Commercial grade: 0 to +70° C<br>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

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