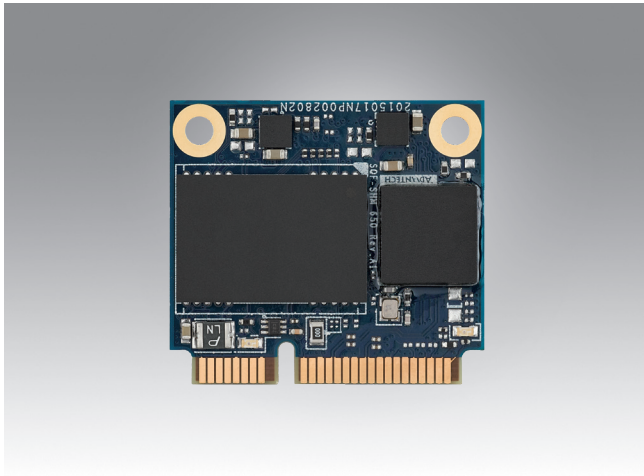


SQF-SHM 650

SATA III (6.0Gb) Half-size mSATA SSD



Features

- SATA 3.2 Compliant
- High Endurance sTLC Product Selection
- AES-256 Support & TCG-OPAL Compliant
- Support HW Write Protection
- Supports LDCP & RAID ECC
- DeviceOn SQManager & software API package
- Multiple Temperature Range Product Selection
- Software and Hardware Security Functions



Specifications

Connect Type	Mini PCIe 52pin connector with SATA pin-out
Flash type	3D TLC/ 3D sTLC
Capacity	3D TLC: 64GB ~ 2TB 3D sTLC: 32GB ~ 256GB
Transfer Mode	SATA III (Up to 6Gb/s)
Max. Power Consumption	3D TLC: Read: 1.5 W, Write: 1.75 W 3D sTLC: Read: 1.35 W, Write: 1.25 W
Sustained R/W Performance (*)	Up to 550/ 520 MB/sec
Operating Temperature	Commercial Temperature: 0 to +70 °C Minus Temperature: -20 to +85 °C Extended Temperature: -40 to +85 °C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Dimensions (mm)	26.88 x 29.85 x 4.0

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

Ordering Information

PN	Description
SQF-SHMV1-64GDSDC	SQF Half-Size mSATA 650-D 64G 3D TLC (BiCS5) (0-70°C)
SQF-SHMV1-128GDSDC	SQF Half-Size mSATA 650-D 128G 3D TLC (BiCS5) (0-70°C)
SQF-SHMV1-256GDSDC	SQF Half-Size mSATA 650-D 256G 3D TLC (BiCS5) (0-70°C)
SQF-SHMV2-512GDSDC	SQF Half-Size mSATA 650-D 512G 3D TLC (BiCS5) (0-70°C)
SQF-SHMV2-1TDSDC	SQF Half-Size mSATA 650-D 1T 3D TLC (BiCS5) (0-70°C)
SQF-SHMV1-64GDSDM	SQF Half-Size mSATA 650-D 64G 3D TLC (BiCS5) (-20-85°C)
SQF-SHMV1-128GDSDM	SQF Half-Size mSATA 650-D 128G 3D TLC (BiCS5) (-20-85°C)
SQF-SHMV1-256GDSDM	SQF Half-Size mSATA 650-D 256G 3D TLC (BiCS5) (-20-85°C)
SQF-SHMV2-512GDSDM	SQF Half-Size mSATA 650-D 512G 3D TLC (BiCS5) (-20-85°C)
SQF-SHMV2-1TDSDM	SQF Half-Size mSATA 650-D 1T 3D TLC (BiCS5) (-20-85°C)
SQF-SHMV1-64GDSDE	SQF Half-Size mSATA 650-D 64G 3D TLC (BiCS5) (-40-85°C)
SQF-SHMV1-128GDSDE	SQF Half-Size mSATA 650-D 128G 3D TLC (BiCS5) (-40-85°C)
SQF-SHMV1-256GDSDE	SQF Half-Size mSATA 650-D 256G 3D TLC (BiCS5) (-40-85°C)
SQF-SHMV2-512GDSDE	SQF Half-Size mSATA 650-D 512G 3D TLC (BiCS5) (-40-85°C)
SQF-SHMV2-1TDSDE	SQF Half-Size mSATA 650-D 1T 3D TLC (BiCS5) (-40-85°C)

PN	Description
SQF-SHMZ1-32GDSDC	SQF Half-Size mSATA 650-D 32G 3D sTLC (BiCS5) (0-70°C)
SQF-SHMZ1-64GDSDC	SQF Half-Size mSATA 650-D 64G 3D sTLC (BiCS5) (0-70°C)
SQF-SHMZ2-128GDSDC	SQF Half-Size mSATA 650-D 128G 3D sTLC (BiCS5) (0-70°C)
SQF-SHMZ2-256GDSDC	SQF Half-Size mSATA 650-D 256G 3D sTLC (BiCS5) (0-70°C)
SQF-SHMZ1-32GDSDE	SQF Half-Size mSATA 650-D 32G 3D sTLC (BiCS5) (-40-85°C)
SQF-SHMZ1-64GDSDE	SQF Half-Size mSATA 650-D 64G 3D sTLC (BiCS5) (-40-85°C)
SQF-SHMZ2-128GDSDE	SQF Half-Size mSATA 650-D 128G 3D sTLC (BiCS5) (-40-85°C)
SQF-SHMZ2-256GDSDE	SQF Half-Size mSATA 650-D 256G 3D sTLC (BiCS5) (-40-85°C)