

# SQF-SMS 650

SATA III (6.0Gb) mSATA SSD



## Features

- SATA 3.2 Compliant
- AES-256 Support & TCG-OPAL Compliant
- Support HW Write Protection
- Supports LDPC & RAID ECC
- GUI management tool & software API package
- Multiple Temperature Range Product Selection
- High Endurance sTLC Product Selection



## Specifications

Connect Type	Mini PCIe 52pin connector with SATA pin-out
Flash type	3D TLC
Capacity	64GB ~ 2TB
Transfer Mode	SATA III (Up to 6Gb/s)
Max. Power Consumption	Read: 1.5 W, Write: 1.75 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)	50.8 x 30.0 x 4.2

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

## Ordering Information

PN	Description
SQF-SMSV1-64GDSDC	SQF mSATA 650-D 64G 3D TLC (BiCS5) (0~70°C)
SQF-SMSV2-128GDSDC	SQF mSATA 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-SMSV2-256GDSDC	SQF mSATA 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-SMSV2-512GDSDC	SQF mSATA 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-SMSV4-1TDSDC	SQF mSATA 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-SMSV4-2TDSDC	SQF mSATA 650-D 2T 3D TLC (BiCS5) (0~70°C)
SQF-SMSV1-64GDSDM	SQF mSATA 650-D 64G 3D TLC (BiCS5) (-20~85°C)
SQF-SMSV2-128GDSDM	SQF mSATA 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-SMSV2-256GDSDM	SQF mSATA 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-SMSV2-512GDSDM	SQF mSATA 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-SMSV4-1TDSDM	SQF mSATA 650-D 1T 3D TLC (BiCS5) (-20~85°C)
SQF-SMSV4-2TDSDM	SQF mSATA 650-D 2T 3D TLC (BiCS5) (-20~85°C)
SQF-SMSV1-64GDSDE	SQF mSATA 650-D 64G 3D TLC (BiCS5) (-40~85°C)
SQF-SMSV2-128GDSDE	SQF mSATA 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-SMSV2-256GDSDE	SQF mSATA 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-SMSV2-512GDSDE	SQF mSATA 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-SMSV4-1TDSDE	SQF mSATA 650-D 1T 3D TLC (BiCS5) (-40~85°C)
SQF-SMSV4-2TDSDE	SQF mSATA 650-D 2T 3D TLC (BiCS5) (-40~85°C)