

Product Change Notice

PCN-Q240722

Date of Publication: 7/22/2024

Description of Change:

Improve FW to address RAID card compatibility issues, enhancing product compatibility when RAID cards do not meet SATA specifications. The setting will change on SQF SATA 650 affected part numbers listed as follows.

Affected Product Model No.:

SQF SATA 650 series BiCS5 TLC 128GB~2TB combination.

Original P/N, BOM configuration	Replacement P/N, BOM configuration
SQF SATA 650 affected P/Ns FW version: SHFMA213 (SHFM21.3)	SQF SATA 650 affected P/Ns FW version: SHFMA214 (SHFM21.4)

Potential impacts to customers:

BOM: no change required

PCB: no change required

FW: Change to SHFMA214 (SHFM21.4)

Others: no change required

Ordering Information:

No Change

Impact of change & recommended action date:

All applied SQF SATA 650 series BiCS5 TLC 128GB~2TB combination will adopt the change by **PCN-Q240722** after Sep. 1st, 2024. Implement from SN#: Axx240901xxxxxxxx

Key Information & Milestones:

PCN number: **PCN-Q240722**

PCN released date: **Jul. 22nd, 2024**

Last Time Buy date: N/A

Issue by

PM: Connie Luo

- SQF 650 series Standard Part Number List

Part Number	Description
SQF-S10V2-128GSDSDC	SQF CFast 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-S10V2-256GSDSDC	SQF CFast 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-S10V2-512GSDSDC	SQF CFast 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-S10V2-128GSDSDM	SQF CFast 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-S10V2-256GSDSDM	SQF CFast 650-D 256G 3D TLC (BiCS5)(-20~85°C)
SQF-S10V2-512GSDSDM	SQF CFast 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-S10V2-128GSDSDE	SQF CFast 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-S10V2-256GSDSDE	SQF CFast 650-D 256G 3D TLC (BiCS5)(-40~85°C)
SQF-S10V2-512GSDSDE	SQF CFast 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-S25V1-128GSDSDC	SQF 2.5" SSD 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-S25V1-256GSDSDC	SQF 2.5" SSD 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-S25V2-512GSDSDC	SQF 2.5" SSD 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-S25V4-1TSDSDC	SQF 2.5" SSD 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-S25V4-2TSDSDC	SQF 2.5" SSD 650-D 2T 3D TLC (BiCS5) (0~70°C)
SQF-S25V1-128GSDSDM	SQF 2.5" SSD 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-S25V1-256GSDSDM	SQF 2.5" SSD 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-S25V2-512GSDSDM	SQF 2.5" SSD 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-S25V4-1TSDSDM	SQF 2.5" SSD 650-D 1T 3D TLC (BiCS5) (-20~85°C)
SQF-S25V4-2TSDSDM	SQF 2.5" SSD 650-D 2T 3D TLC (BiCS5) (-20~85°C)
SQF-S25V1-128GSDSDE	SQF 2.5" SSD 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-S25V1-256GSDSDE	SQF 2.5" SSD 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-S25V2-512GSDSDE	SQF 2.5" SSD 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-S25V4-1TSDSDE	SQF 2.5" SSD 650-D 1T 3D TLC (BiCS5) (-40~85°C)
SQF-S25V4-2TSDSDE	SQF 2.5" SSD 650-D 2T 3D TLC (BiCS5) (-40~85°C)
SQF-SLMV2-128GSDSDC	SQF SATA Slim 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-SLMV2-256GSDSDC	SQF SATA Slim 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-SLMV2-512GSDSDC	SQF SATA Slim 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-SLMV4-1TSDSDC	SQF SATA Slim 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-SLMV4-2TSDSDC	SQF SATA Slim 650-D 2T 3D TLC (BiCS5) (0~70°C)
SQF-SLMV2-128GSDSDM	SQF SATA Slim 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-SLMV2-256GSDSDM	SQF SATA Slim 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-SLMV2-512GSDSDM	SQF SATA Slim 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-SLMV4-1TSDSDM	SQF SATA Slim 650-D 1T 3D TLC (BiCS5) (-20~85°C)

SQF-SLMV4-2TDSDM	SQF SATA Slim 650-D 2T 3D TLC (BiCS5) (-20~85°C)
SQF-SLMV2-128GDSDE	SQF SATA Slim 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-SLMV2-256GDSDE	SQF SATA Slim 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-SLMV2-512GDSDE	SQF SATA Slim 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-SLMV4-1TDSDE	SQF SATA Slim 650-D 1T 3D TLC (BiCS5) (-40~85°C)
SQF-S4BV1-128GDSDC	SQF M.2 2242 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-S4BV1-256GDSDC	SQF M.2 2242 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-S4BV2-512GDSDC	SQF M.2 2242 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-S4BV2-1TDSDC	SQF M.2 2242 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-S4BV1-128GDSDM	SQF M.2 2242 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV1-256GDSDM	SQF M.2 2242 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV2-512GDSDM	SQF M.2 2242 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV2-1TDSDM	SQF M.2 2242 650-D 1T 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV1-128GDSDE	SQF M.2 2242 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-S4BV1-256GDSDE	SQF M.2 2242 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-S4BV2-512GDSDE	SQF M.2 2242 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-S4BV2-1TDSDE	SQF M.2 2242 650-D 1T 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV1-128GDSDC	SQF M.2 2280 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-S8BV1-256GDSDC	SQF M.2 2280 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-S8BV2-512GDSDC	SQF M.2 2280 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-S8BV4-1TDSDC	SQF M.2 2280 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-S8BV4-2TDSDC	SQF M.2 2280 650-D 2T 3D TLC (BiCS5) (0~70°C)
SQF-S8BV1-128GDSDM	SQF M.2 2280 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV1-256GDSDM	SQF M.2 2280 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV2-512GDSDM	SQF M.2 2280 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV4-1TDSDM	SQF M.2 2280 650-D 1T 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV4-2TDSDM	SQF M.2 2280 650-D 2T 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV1-128GDSDE	SQF M.2 2280 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV1-256GDSDE	SQF M.2 2280 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV2-512GDSDE	SQF M.2 2280 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV4-1TDSDE	SQF M.2 2280 650-D 1T 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV4-2TDSDE	SQF M.2 2280 650-D 2T 3D TLC (BiCS5) (-40~85°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-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-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)
SQF-SHMOV1-128GDSDC	SQF Half-Size mSATA 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-SHMOV1-256GDSDC	SQF Half-Size mSATA 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-SHMOV2-512GDSDC	SQF Half-Size mSATA 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-SHMOV2-1TDSDC	SQF Half-Size mSATA 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-SHMOV1-128GDSDM	SQF Half-Size mSATA 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-SHMOV1-256GDSDM	SQF Half-Size mSATA 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-SHMOV2-512GDSDM	SQF Half-Size mSATA 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-SHMOV2-1TDSDM	SQF Half-Size mSATA 650-D 1T 3D TLC (BiCS5) (-20~85°C)
SQF-SHMOV1-128GDSDE	SQF Half-Size mSATA 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-SHMOV1-256GDSDE	SQF Half-Size mSATA 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-SHMOV2-512GDSDE	SQF Half-Size mSATA 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-SHMOV2-1TDSDE	SQF Half-Size mSATA 650-D 1T 3D TLC (BiCS5) (-40~85°C)