

Product Change Notice

PCN-Q230614-1

Date of Publication: 06/14/2023

Description of Change:

To improve material sharing and management efficiency, we implemented BOM change for SQF 650 series. The DC-DC had changed and crystal removed on all applied SQF 650 form factors and part numbers listed as follows.

Affected Product Model No.:

SQF 650 series

Original P/N, BOM configuration	Replacement P/N, BOM configuration
1. SQF-SMS 650, SQF-S4B 650, SQF-SLM 650, SQF-S10 650 P/Ns DC-DC: 06-00S0000158	2. SQF-SMS 650, SQF-S4B 650, SQF-SLM 650, SQF-S10 650 P/Ns DC-DC: 06-00S0000199

Potential impacts to customers:

BOM: Remove crystal hardware and replace with DC-DC component.

PCB: no change required

FW: no change required

Others: no change required

Ordering Information:

No Change

Impact of change & recommended action date:

All applied SQF 650 Series has adopt new DC-DC by PCN-Q230614-1 after Jul. 5th, 2022. Implement from SN#: Axx220705xxxxxxxxx

Key Information & Milestones:

PCN number: PCN-Q230614-1

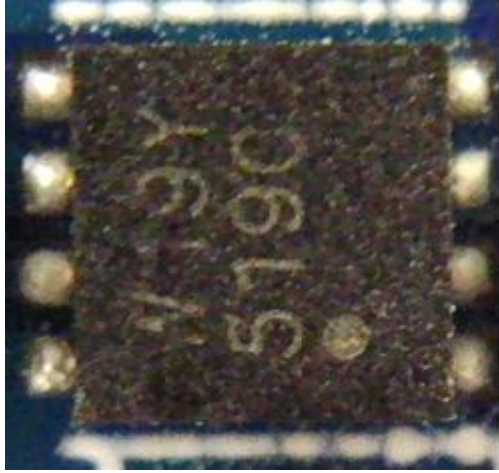
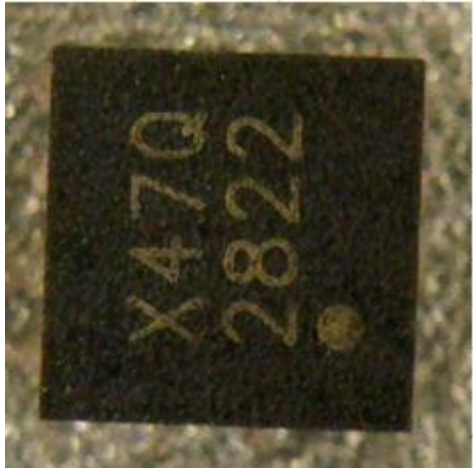
PCN released date: Jun. 14th, 2023

Last Time Buy date: N/A

Issue by

PM: Lucy Chen

- DC-DC Comparison Chart For The Replacement:

	Original DC-DC: 06-00S0000158	New DC-DC: 06-00S0000199
Picture		
Type	Buck, Current Mode	Buck, Current Mode
Operation Voltage	2.5~6.0V	2.7~6.5V
Output Current	3A	3A
Efficiency	N/A	Vin 3.3V & Vout 1.8V Iload 1A, 92%
Frequency	1MHz	1MHz
Vref	0.6V (0.588~0.612V)	0.6V (0.594~0.606V)
En_high	1.0V	1.0V
En_low	0.7V	0.4V
I limit	5A	5A
Sort-Start Time	0.8ms	1.0ms
R discharge	50ohm	50ohm
Quiescent Current	50uA	50uA
UVLO	Vout: 3.3V / 2.0V	Vout: 3.3V / 2.65V

- SQF-SMS 650, SQF-S4B 650, SQF-SLM 650, SQF-S10 650 P/Ns Standard Part Number List

Product Change	
Type	Part Number
CFast Card	SQF-S10V1-64GDSDC
CFast Card	SQF-S10V1-64GDSDE
CFast Card	SQF-S10V1-64GDSDM
CFast Card	SQF-S10V2-128GDSDC
CFast Card	SQF-S10V2-128GDSDE
CFast Card	SQF-S10V2-128GDSDM
CFast Card	SQF-S10V2-256GDSDC
CFast Card	SQF-S10V2-256GDSDE
CFast Card	SQF-S10V2-256GDSDM
CFast Card	SQF-S10V2-512GDSDC
CFast Card	SQF-S10V2-512GDSDE
CFast Card	SQF-S10V2-512GDSDM
CFast Card	SQF-S10Z2-128GDSDE
CFast Card	SQF-S10Z2-32GDSDC
CFast Card	SQF-S10Z2-32GDSDE
CFast Card	SQF-S10Z2-64GDSDE
M.2 2242	SQF-S4BV1-128GDSDC
M.2 2242	SQF-S4BV1-128GDSDE
M.2 2242	SQF-S4BV1-128GDSDM
M.2 2242	SQF-S4BV1-256GDSDC
M.2 2242	SQF-S4BV1-256GDSDE
M.2 2242	SQF-S4BV1-256GDSDM
M.2 2242	SQF-S4BV1-64GDSDC
M.2 2242	SQF-S4BV1-64GDSDE
M.2 2242	SQF-S4BV1-64GDSDM
M.2 2242	SQF-S4BV2-1TDSDC
M.2 2242	SQF-S4BV2-1TDSDE
M.2 2242	SQF-S4BV2-1TDSDM
M.2 2242	SQF-S4BV2-512GDSDC
M.2 2242	SQF-S4BV2-512GDSDE
M.2 2242	SQF-S4BV2-512GDSDM
Half Slim	SQF-SLMV1-64GDSDC
Half Slim	SQF-SLMV1-64GDSDE
Half Slim	SQF-SLMV1-64GDSDM

Half Slim	SQF-SLMV2-128GSDC
Half Slim	SQF-SLMV2-128GDSDE
Half Slim	SQF-SLMV2-128GDSDM
Half Slim	SQF-SLMV2-256GSDC
Half Slim	SQF-SLMV2-256GDSDE
Half Slim	SQF-SLMV2-256GDSDM
Half Slim	SQF-SLMV2-512GSDC
Half Slim	SQF-SLMV2-512GDSDE
Half Slim	SQF-SLMV2-512GDSDM
Half Slim	SQF-SLMV4-1TSDC
Half Slim	SQF-SLMV4-1TDSDE
Half Slim	SQF-SLMV4-1TDSDM
mSATA	SQF-SMSV1-64GSDC
mSATA	SQF-SMSV1-64GDSDE
mSATA	SQF-SMSV1-64GDSDM
mSATA	SQF-SMSV2-128GSDC
mSATA	SQF-SMSV2-128GDSDE
mSATA	SQF-SMSV2-128GDSDM
mSATA	SQF-SMSV2-256GSDC
mSATA	SQF-SMSV2-256GDSDE
mSATA	SQF-SMSV2-256GDSDM
mSATA	SQF-SMSV2-512GSDC
mSATA	SQF-SMSV2-512GDSDE
mSATA	SQF-SMSV2-512GDSDM
mSATA	SQF-SMSV4-1TSDC
mSATA	SQF-SMSV4-1TDSDE
mSATA	SQF-SMSV4-1TDSDM
mSATA	SQF-SMSV4-2TSDC
mSATA	SQF-SMSV4-2TDSDE
mSATA	SQF-SMSV4-2TDSDM
mSATA	SQF-SMSZ4-512GSDC
mSATA	SQF-SMSZ4-512GDSDE

● SQF-SMS 650, SQF-S4B 650, SQF-SLM 650, SQF-S10 650 P/Ns Custom Part Number List

Product Change	
Type	Part Number
CFast Card	SQF-S10Z2-32GDDHR



CFast Card	SQF-S10Z2-32GDDKI
M.2 2242	SQF-S4BV1-128GDDEI
mSATA	SQF-SMSV1-64GDDBR
mSATA	SQF-SMSV1-64GDDCR
mSATA	SQF-SMSV2-128GDDCR
mSATA	SQF-SMSV2-256GDDGE
mSATA	SQF-SMSV2-512GDDGE