Informational Notice

swissbit®

IN #: IN20-0004	**Rev:** 1.0	**Issue Date:** December 7, 2020

Reason for Notification: New load switch component

Detailed Description:

This informational notice is to inform you about a load switch replacement due EOL announcement from the supplier. Affected are the following series: N-10m2, N-12m2, X-75m, X-75m2, X-76m, X-76m2, X-86m2, F-86 and F-800.

	Current load switch	New load switch
Part name	Semtech SC33001AH	Onsemi NCP451AFCT2G
Package	0.9 mm x 1.4 mm 6-Bump CSP	0.9 mm x 1.4 mm 6-Bump CSP
Continuous output current	3A	3A
Operating range	1.7 V – 5.5 V	0.75 V – 5.5 V
Operating Temperature Range	–40 to +85°C	–40 to +85°C
Soft start (Load dependent)	630 ~ 1200 µs	670 ~ 1200 µs
Quiescent current	150 µA	15 µA
Typ. Input / Output Capacity	1 µF	1 µF
Component Picture *(Example)*		

No changes in form fit and function. The performance values do not change.
Swissbit has completed its internal testing and has qualified the new load switch to ensure full compliance and backward compatibility with the previous version.

Quality impact:
☐ minor / ☐ major / ☒ no

Reliability impact:
☐ minor / ☐ major / ☒ no

Products affected:

Series	Part Number	New Part Number
CFast F-800 series (SLC)	SFCAdddGHgA0qT0-t-cc-2f6-xxx	
CFast F-86 series (pSLC)	SFCAdddGHgA0qT0-t-cc-2fP-xxx	
M.2 SSD X-86m2 2242 series (pSLC)	SFSAdddGMgA0qT0-t-cc-1fP-xxx	
	SFSAdddGMgA0qT0-t-cc-2fP-xxx	
mSATA SSD X-75m series (TLC)	SFSAdddGUgAKqT0-t-cc-2f6-xxx	
mSATA SSD X-76m series (pSLC)	SFSAdddGUgAKqT0-t-cc-2fP-xxx	Same, no change. Traceability via lot code on product label.
M.2 SSD X-75m2 2242 series (TLC)	SFSAdddGMgAKqT0-t-cc-1f6-xxx	
	SFSAdddGMgAKqT0-t-cc-1fA-xxx	
	SFSAdddGMgAKqT0-t-cc-2f6-xxx	
M.2 SSD X-76m2 2242 series (pSLC)	SFSAdddGMgAKqT0-t-cc-1fP-xxx	
	SFSAdddGMgAKqT0-t-cc-1fA-xxx	
	SFSAdddGMgAKqT0-t-cc-2fP-xxx	
M.2 SSD X-75m2 2260 series (TLC)	SFSAdddGMgAKqT0-t-cc-3f6-xxx	
	SFSAdddGMgAKqT0-t-cc-3fA-xxx	
	SFSAdddGMgAKqT0-t-cc-4f6-xxx	

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M.2 SSD X-76m2 2260 series (pSLC)	SFSAdddGMgAKqT0-t-cc-3fP-xxx	
M.2 SSD X-75m2 2280 series (TLC)	SFSAdddGMgAKqT0-t-cc-5f6-xxx	Same, no change. Traceability via lot code on product label.
	SFSAdddGMgAKqT0-t-cc-5fE-xxx	
	SFSAdddGMgAKqT0-t-cc-6f6-xxx	
	SFSAdddGMgAKqT0-t-cc-6fA-xxx	
	SFSAdddGMgAKqT0-t-cc-6fE-xxx	
M.2 SSD X-76m2 2280 series (pSLC)	SFSAdddGMgAKqT0-t-cc-5fP-xxx	
	SFSAdddGMgAKqT0-t-cc-6fP-xxx	
PCIe M.2 SSD N-10m2 2280 series (TLC)	SFPCdddGMgAGqT0-t-cc-5f6-xxx	
	SFPCdddGMgAGqT0-t-cc-5fD-xxx	
PCIe M.2 SSD N-12m2 2280 series (TLC)	SFPCdddGMgAJqT0-t-cc-5f6-xxx	

d = drive capacity; g = generation; q = Quantity of flash; t = temperature grade C or I; cc = DIE Classification;

f = firmware version; x = STD or custom configuration

Implementation date: Estimated March 2021, floating transition based on stock

Recommended action: No action required

IMPORTANT NOTE:

Swissbit – as a provider of industrial products – announces and informs about changes that will affect the form, fit, function or reliability of our products. We always test backwards compatibility and assure best quality, reliability and transparency for our customers. We apologize for any inconvenience caused.

This Informational Notice is an optional information in accordance with JEDEC J-STD-046.