Product Change Notification – Minor change

PCN #: PCN22-0035	Rev: 1.0	Issue Date: March 16, 2022

Purpose of notification:	Change of voltage regulator
Type of notification:	Minor change, for informational notice only

Detailed Description:

This document informs about a BOM change of the X-60m mSATA product series and provides advice on the implications as well as on any requalification effort for affected customers.

Swissbit has been notified that Intel is ceasing production of the voltage regulators currently used in the above mentioned product series. Swissbit has selected new fit-for-purpose voltage regulators, which also require a minimal PCB adjustment.

	Current voltage regulators	New voltage regulators
Supplier	Intel	Torex
Continuous output current	0.6A	1A
Operating range	2.4 V – 5.5 V	2.5 V – 5.5 V
Operating Temperature Range	-40 to +85°C	-40 to +105°C
Output voltage	Adjustable	Fixed
Package Size	2.5mm x 2.25mm x 1.1mm	2.5mm x 2.0mm x 1.04mm

In parallel with the replacement of the regulator for the Flash I/O supply, a load switch was removed and a LDO was added. This measure reduces the current consumption and improves the quality of the Flash I/O supply.

Swissbit insures no change of form and fit and function compatibility. The performance values will not change.
Swissbit insures full compliance and backward compatibility with the previous version.

Quality impact:	No impact

Reliability impact:	No impact

Products affected:

Series	Part Number	New Part Number
X-60m	SFSA030GU2AA1T0-I-LB-216-STD	No change, traceability over lot code
X-60m	SFSA030GU2AA1T0-C-LB-216-STD	No change, traceability over lot code
X-60m	SFSA030GU3AA1T0-I-LB-216-STD	No change, traceability over lot code
X-60m	SFSA030GU4AA1T0-I-LB-226-STD	No change, traceability over lot code
X-60m	SFSA030GU4AA1T0-C-LB-226-STD	No change, traceability over lot code
X-60m	SFSA032GU4AA1T0-I-LB-226-EXT	No change, traceability over lot code
X-60m	SFSA032GU4AA1T0-C-LB-226-EXT	No change, traceability over lot code
X-60m	SFSA060GU2AA2T0-I-LB-216-STD	No change, traceability over lot code
X-60m	SFSA060GU2AA2T0-C-LB-216-STD	No change, traceability over lot code
X-60m	SFSA060GU2AA2T0-I-LB-216-ATC	No change, traceability over lot code
X-60m	SFSA060GU4AA2T0-I-LB-226-STD	No change, traceability over lot code
X-60m	SFSA060GU4AA2T0-C-LB-226-STD	No change, traceability over lot code
X-60m	SFSA060GU4AA2T0-I-LB-226-ATC	No change, traceability over lot code
X-60m	SFSA060GU4AA2T0-C-LB-226-DIT	No change, traceability over lot code
X-60m	SFSA064GU2AA2T0-I-LB-216-EXT	No change, traceability over lot code
X-60m	SFSA064GU4AA2T0-I-LB-226-EXT	No change, traceability over lot code

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X-60m	SFSA064GU4AA2T0-C-LB-226-EXT	No change, traceability over lot code
X-60m	SFSA120GU2AA4T0-I-LB-216-STD	No change, traceability over lot code
X-60m	SFSA120GU2AA4T0-C-LB-216-STD	No change, traceability over lot code
X-60m	SFSA120GU4AA4T0-I-LB-216-STD	No change, traceability over lot code
X-60m	SFSA120GU4AA4T0-I-LB-226-STD	No change, traceability over lot code
X-60m	SFSA120GU4AA4T0-C-LB-226-STD	No change, traceability over lot code
X-60m	SFSA120GU2AA4T0-I-LB-216-KON	No change, traceability over lot code
X-60m	SFSA128GU4AA4T0-C-LB-216-EXT	No change, traceability over lot code
X-60m	SFSA128GU2AA4T0-I-LB-216-EXT	No change, traceability over lot code
X-60m	SFSA128GU4AA4T0-I-LB-216-EXT	No change, traceability over lot code
X-60m	SFSA128GU4AA4T0-I-LB-226-EXT	No change, traceability over lot code
X-60m	SFSA128GU4AA4T0-C-LB-226-EXT	No change, traceability over lot code
X-60m	SFSA128GU4AA4T0-I-LB-226-KON	No change, traceability over lot code
X-60m	SFSA240GU2AA4T0-I-HC-216-STD	No change, traceability over lot code
X-60m	SFSA240GU2AA4T0-C-HC-216-STD	No change, traceability over lot code
X-60m	SFSA240GU4AA4T0-I-HC-226-STD	No change, traceability over lot code
X-60m	SFSA240GU4AA4T0-C-HC-226-STD	No change, traceability over lot code
X-60m	SFSA256GU4AA4T0-C-HC-216-EXT	No change, traceability over lot code
X-60m	SFSA256GU4AA4T0-C-HC-216-KON	No change, traceability over lot code
X-60m	SFSA256GU4AA4T0-I-HC-226-EXT	No change, traceability over lot code
X-60m	SFSA256GU4AA4T0-C-HC-226-EXT	No change, traceability over lot code
X-60m	SFSA480GU2AA4T0-I-OC-216-STD	No change, traceability over lot code
X-60m	SFSA480GU2AA4T0-C-OC-216-STD	No change, traceability over lot code
X-60m	SFSA480GU4AA4T0-I-OC-226-STD	No change, traceability over lot code
X-60m	SFSA480GU4AA4T0-C-OC-226-STD	No change, traceability over lot code
X-60m	SFSA480GU4AA4T0-I-OC-226-WAB	No change, traceability over lot code
X-60m	SFSA512GU4AA4T0-C-OC-216-EXT	No change, traceability over lot code
X-60m	SFSA512GU4AA4T0-I-OC-226-EXT	No change, traceability over lot code
X-60m	SFSA512GU4AA4T0-C-OC-226-EXT	No change, traceability over lot code

Implementation date:	The plan implementation date is July 2022.

Recommended action:	No action required.
	Please contact your local Swissbit sales representative for support in case of any questions.

IMPORTANT NOTE:
Swissbit – as a provider of industrial products – announces and informs about every change in the product hardware and firmware. We always test backwards compatibility and assure best quality, reliability and transparency for our customers. We apologize for any inconvenience caused.

This Minor Change PCN serves as an informational notice and is an optional information in accordance with JEDEC J-STD-046.