Product Change Notification – Minor change

PCN #: PCN22-0032	**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 F-600 CFast 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
F-600	SFCA004GH3AA1T0-I-MS-226-STD	No change, traceability over lot code
F-600	SFCA004GH3AA1T0-C-MS-226-STD	No change, traceability over lot code
F-600	SFCA004GH3AA1T0-I-MS-226-SA2	No change, traceability over lot code
F-600	SFCA004GH3AA1T0-C-MS-236-KEB	No change, traceability over lot code
F-600	SFCA004GH3AA1T0-I-MS-226-INC	No change, traceability over lot code
F-600	SFCA004GH3AA1T0-I-MS-226-F32	No change, traceability over lot code
F-600	SFCA008GH1AA1T0-I-DB-216-STD	No change, traceability over lot code
F-600	SFCA008GH1AA1T0-C-DB-216-STD	No change, traceability over lot code
F-600	SFCA008GH3AA1T0-I-DB-226-STD	No change, traceability over lot code
F-600	SFCA008GH3AA1T0-C-DB-226-STD	No change, traceability over lot code
F-600	SFCA008GH3AA1T0-I-DB-226-SA2	No change, traceability over lot code
F-600	SFCA008GH3AA1T0-I-DB-226-INC	No change, traceability over lot code
F-600	SFCA016GH1AA2T0-I-DB-216-STD	No change, traceability over lot code
F-600	SFCA016GH1AA2T0-C-DB-216-STD	No change, traceability over lot code
F-600	SFCA016GH3AA2T0-I-DB-226-STD	No change, traceability over lot code
F-600	SFCA016GH3AA2T0-C-DB-226-STD	No change, traceability over lot code

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F-600	SFCA016GH3AA2T0-I-DB-226-INC	No change, traceability over lot code
F-600	SFCA032GH1AA2T0-I-QC-216-STD	No change, traceability over lot code
F-600	SFCA032GH1AA2T0-C-QC-216-STD	No change, traceability over lot code
F-600	SFCA032GH3AA2T0-I-QC-226-STD	No change, traceability over lot code
F-600	SFCA032GH3AA2T0-C-QC-226-STD	No change, traceability over lot code
F-600	SFCA032GH3AA2T0-I-QC-226-INC	No change, traceability over lot code
F-600	SFCA064GH1AA2T0-I-NC-216-STD	No change, traceability over lot code
F-600	SFCA064GH1AA2T0-C-NC-216-STD	No change, traceability over lot code
F-600	SFCA064GH3AA2T0-I-NC-226-STD	No change, traceability over lot code
F-600	SFCA064GH3AA2T0-C-NC-226-STD	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.