

Product Notification Form

PCN #: PCN19-0009	Rev: 1.0	Issue Date: October 17, 2019																	
Type of Change: Improved environmental reliability <input type="checkbox"/> minor / <input checked="" type="checkbox"/> major																			
Detailed Description of Change: The CFast™ Card F-50 series with 8GB to 256GB (MLC) capacity and CFast™ Card F-56 series with 4GB to 128GB (pSLC) have been improved in regards to environmental reliability. To this end, the PCB layout has been redesigned with the following changes: <ul style="list-style-type: none"> TSOP footprint improvement Optimized positioning of components Layout and routing adjustments due to the above improvements BOM changes applied to the new design: <ul style="list-style-type: none"> Removed components which were needed for optional and/or unnecessary features only Standardized capacitors from 1x 10µF to 2x 4.7µF / 2x 2.2µF to 1x 4.7µF Optimized resistor values of R23 and R34 for VCCIO 3.3V Underfill removed where applied previously (up to 32GB MLC / 16GB pSLC capacity) All other BOM components remain unchanged. Swissbit has completed its internal testing and has qualified the new design to ensure reliability.																			
Quality impact: <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no																			
Reliability impact: <input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no																			
Products affected: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 25%;">Series</th> <th style="width: 40%;">Current Part Number</th> <th style="width: 35%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td rowspan="3">CFast™ F-50 series 8GBytes to 256GBytes</td> <td>SFCAdddGH1AD1T0-t-cc-2f6-xxx</td> <td>SFCAdddGH2AD1T0-t-cc-236-xxx</td> </tr> <tr> <td>SFCAdddGH1AD2T0-t-cc-2f6-xxx</td> <td>SFCAdddGH2AD2T0-t-cc-236-xxx</td> </tr> <tr> <td>SFCAdddGH1AD4T0-t-cc-2f6-xxx</td> <td>SFCAdddGH2AD4T0-t-cc-236-xxx</td> </tr> <tr> <td rowspan="3">CFast™ F-56 series 4GBytes to 128GBytes</td> <td>SFCAdddGH1AD1T0-t-cc-2fP-xxx</td> <td>SFCAdddGH2AD1T0-t-cc-23P-xxx</td> </tr> <tr> <td>SFCAdddGH1AD2T0-t-cc-2fP-xxx</td> <td>SFCAdddGH2AD2T0-t-cc-23P-xxx</td> </tr> <tr> <td>SFCAdddGH1AD4T0-t-cc-2fP-xxx</td> <td>SFCAdddGH2AD4T0-t-cc-23P-xxx</td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">d = memory density; t = temperature grade C or I; cc = chip configuration; f = firmware version; x = STD or custom configuration</p>			Series	Current Part Number	New Part Number	CFast™ F-50 series 8GBytes to 256GBytes	SFCAdddGH1AD1T0-t-cc-2f6-xxx	SFCAdddGH2AD1T0-t-cc-236-xxx	SFCAdddGH1AD2T0-t-cc-2f6-xxx	SFCAdddGH2AD2T0-t-cc-236-xxx	SFCAdddGH1AD4T0-t-cc-2f6-xxx	SFCAdddGH2AD4T0-t-cc-236-xxx	CFast™ F-56 series 4GBytes to 128GBytes	SFCAdddGH1AD1T0-t-cc-2fP-xxx	SFCAdddGH2AD1T0-t-cc-23P-xxx	SFCAdddGH1AD2T0-t-cc-2fP-xxx	SFCAdddGH2AD2T0-t-cc-23P-xxx	SFCAdddGH1AD4T0-t-cc-2fP-xxx	SFCAdddGH2AD4T0-t-cc-23P-xxx
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Implementation date: January 17, 2020 Products with new PCB can be ordered immediately.																			
Forecasted Milestones: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 60%;">Milestone</th> <th style="width: 40%;">Date</th> </tr> </thead> <tbody> <tr> <td>Qualification samples</td> <td>Now</td> </tr> <tr> <td>Last Time Buy</td> <td>January 17, 2020</td> </tr> <tr> <td>Last Time Shipment</td> <td>April 17, 2020</td> </tr> </tbody> </table>			Milestone	Date	Qualification samples	Now	Last Time Buy	January 17, 2020	Last Time Shipment	April 17, 2020									
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Qualification samples	Now																		
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Recommended action: Qualify new design																			

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Should you have any questions or concerns with the content of this change, please contact the Swissbit PCN team at customer.pcn@swissbit.com within 30 days. No response will be deemed as customer's acceptance of the change and the change will be implemented pursuant to the implementation date set forth in this PCN.

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.

Products affected:

Series	Current ERP#	Current Part Number	New ERP#	New Part Number
CFast™ F-50 series	605629	SFCA008GH1AD1TO-C-GS-216-STD	607077	SFCA008GH2AD1TO-C-GS-236-STD
	606835	SFCA008GH1AD1TO-C-GS-236-STD		
	605628	SFCA008GH1AD1TO-I-GS-216-STD	607078	SFCA008GH2AD1TO-I-GS-236-STD
	606834	SFCA008GH1AD1TO-I-GS-236-STD		
	605631	SFCA016GH1AD2TO-C-GS-216-STD	607079	SFCA016GH2AD2TO-C-GS-236-STD
	606470	SFCA016GH1AD2TO-C-GS-226-STD		
	606837	SFCA016GH1AD2TO-C-GS-236-STD		
	605630	SFCA016GH1AD2TO-I-GS-216-STD	607080	SFCA016GH2AD2TO-I-GS-236-STD
	606469	SFCA016GH1AD2TO-I-GS-226-STD		
	606836	SFCA016GH1AD2TO-I-GS-236-STD		
	605633	SFCA032GH1AD4TO-C-GS-216-STD	607081	SFCA032GH2AD4TO-C-GS-236-STD
	606472	SFCA032GH1AD4TO-C-GS-226-STD		
	606839	SFCA032GH1AD4TO-C-GS-236-STD		
	605632	SFCA032GH1AD4TO-I-GS-216-STD	607083	SFCA032GH2AD4TO-I-GS-236-STD
	606471	SFCA032GH1AD4TO-I-GS-226-STD		
	606838	SFCA032GH1AD4TO-I-GS-236-STD		
	606257	SFCA032GH1AD4TO-I-GS-216-DSD	607084	SFCA032GH2AD4TO-I-GS-236-DSD
	606473	SFCA032GH1AD4TO-I-GS-236-DSD		
	607038	SFCA032GH1AD4TO-C-GS-236-OEM	607082	SFCA032GH2AD4TO-C-GS-236-OEM
	605635	SFCA064GH1AD4TO-C-GS-216-STD	607085	SFCA064GH2AD4TO-C-GS-236-STD
	606475	SFCA064GH1AD4TO-C-GS-226-STD		
	606841	SFCA064GH1AD4TO-C-GS-236-STD		
	605634	SFCA064GH1AD4TO-I-GS-216-STD	607086	SFCA064GH2AD4TO-I-GS-236-STD
	606474	SFCA064GH1AD4TO-I-GS-226-STD		
	606840	SFCA064GH1AD4TO-I-GS-236-STD		
	607164	SFCA064GH1AD4TO-C-GS-236-OEM	TBD	SFCA064GH2AD4TO-C-GS-236-OEM
	605638	SFCA128GH1AD4TO-C-LT-216-STD	607087	SFCA128GH2AD4TO-C-LT-236-STD
	606477	SFCA128GH1AD4TO-C-LT-226-STD		
	606843	SFCA128GH1AD4TO-C-LT-236-STD		
	605637	SFCA128GH1AD4TO-I-LT-216-STD	607089	SFCA128GH2AD4TO-I-LT-236-STD
	606476	SFCA128GH1AD4TO-I-LT-226-STD		
	606842	SFCA128GH1AD4TO-I-LT-236-STD		
	607039	SFCA128GH1AD4TO-C-LT-236-OEM	607088	SFCA128GH2AD4TO-C-LT-236-OEM
605640	SFCA256GH1AD4TO-C-HT-216-STD	607090	SFCA256GH2AD4TO-C-HT-236-STD	
606479	SFCA256GH1AD4TO-C-HT-226-STD			

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	606845	SFCA256GH1AD4TO-C-HT-236-STD		
	605639	SFCA256GH1AD4TO-I-HT-216-STD		
	606478	SFCA256GH1AD4TO-I-HT-226-STD	607091	SFCA256GH2AD4TO-I-HT-236-STD
	606844	SFCA256GH1AD4TO-I-HT-236-STD		
CFast™ F-56 series	606132	SFCA004GH1AD1TO-C-GS-22P-STD	607092	SFCA004GH2AD1TO-C-GS-23P-STD
	606124	SFCA004GH1AD1TO-I-GS-22P-STD	607093	SFCA004GH2AD1TO-I-GS-23P-STD
	606134	SFCA008GH1AD2TO-C-GS-22P-STD	607094	SFCA008GH2AD2TO-C-GS-23P-STD
	606125	SFCA008GH1AD2TO-I-GS-22P-STD	607096	SFCA008GH2AD2TO-I-GS-23P-STD
	607016	SFCA008GH1AD2TO-C-GS-23P-SA2	607095	SFCA008GH2AD2TO-C-GS-23P-SA2
	606135	SFCA016GH1AD4TO-C-GS-22P-STD	607097	SFCA016GH2AD4TO-C-GS-23P-STD
	606126	SFCA016GH1AD4TO-I-GS-22P-STD	607099	SFCA016GH2AD4TO-I-GS-23P-STD
	607017	SFCA016GH1AD4TO-C-GS-23P-SA2	607098	SFCA016GH2AD4TO-C-GS-23P-SA2
	606136	SFCA032GH1AD4TO-C-GS-22P-STD	607100	SFCA032GH2AD4TO-C-GS-23P-STD
	606127	SFCA032GH1AD4TO-I-GS-22P-STD	607101	SFCA032GH2AD4TO-I-GS-23P-STD
	607076	SFCA032GH1AD4TO-C-GS-23P-S2S	TBD	SFCA032GH2AD4TO-C-GS-23P-S2S
	606137	SFCA064GH1AD4TO-C-LT-22P-STD	607102	SFCA064GH2AD4TO-C-LT-23P-STD
	606128	SFCA064GH1AD4TO-I-LT-22P-STD	607104	SFCA064GH2AD4TO-I-LT-23P-STD
	606968	SFCA064GH1AD4TO-C-LT-23P-SA2	607103	SFCA064GH2AD4TO-C-LT-23P-SA2
	607072	SFCA064GH1AD4TO-I-LT-23P-SA2	607105	SFCA064GH2AD4TO-I-LT-23P-SA2
	606138	SFCA128GH1AD4TO-C-HT-22P-STD	607106	SFCA128GH2AD4TO-C-HT-23P-STD
	606129	SFCA128GH1AD4TO-I-HT-22P-STD	607107	SFCA128GH2AD4TO-I-HT-23P-STD
	607144	SFCA128GH1AD4TO-I-HT-23P-SA2	TBD	SFCA128GH2AD4TO-I-HT-23P-SA2