

# Product Notification Form

| <b>PCN #:</b> PCN20-0023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Rev:</b> 1.0               | <b>Issue Date:</b> April 3, 2020 |        |                     |                 |      |                               |                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|--------|---------------------|-----------------|------|-------------------------------|-------------------------------|
| <b>Type of Change:</b> Improved Firmware for new design ins and product line maintenance<br><input checked="" type="checkbox"/> minor / <input type="checkbox"/> major                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |                                  |        |                     |                 |      |                               |                               |
| <b>Detailed Description of Change:</b><br>This product change notification is to inform you about a firmware update for the C-56 (pSLC) CompactFlash product series, which use firmware <b>180906 (FW1)</b> .<br><br>Firmware <b>191114 (FW2)</b> improvements: <ul style="list-style-type: none"> <li>Improved host compatibility by allowing soft reset duration of more than 200ms</li> <li>Improved host compatibility by allowing a soft reset when the card is still signaling busy</li> <li>Improved host compatibility if device is used in true IDE mode and configured as Slave device</li> <li>Improved host compatibility by ignoring sector count value of 0 in init drive parameters</li> <li>Improved host compatibility by checking if trim range is out of bounds</li> <li>Improved accuracy of Life Time Monitoring reporting value "Total Erase Count" for use cases with a very high amount of power cycles. There is no impact on any other Life Time Monitoring values or overall device endurance.</li> <li>Improved stability in specific corner cases</li> </ul> <p>Swissbit has completed its internal testing and has qualified the new firmware to ensure full compatibility. We recommend to switch to the new firmware revision models.</p> |                               |                                  |        |                     |                 |      |                               |                               |
| <b>Quality impact:</b><br><input type="checkbox"/> minor / <input type="checkbox"/> major / <input checked="" type="checkbox"/> no                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                                  |        |                     |                 |      |                               |                               |
| <b>Reliability impact:</b><br><input checked="" type="checkbox"/> minor / <input type="checkbox"/> major / <input type="checkbox"/> no    Stability improvements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |                                  |        |                     |                 |      |                               |                               |
| <b>Products affected:</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 20%;">Series</th> <th style="width: 40%;">Current Part Number</th> <th style="width: 40%;">New Part Number</th> </tr> </thead> <tbody> <tr> <td>C-56</td> <td>SFCFdddddH1AFxT0-t-cc-51P-STD</td> <td>SFCFdddddH1AFxT0-t-cc-52P-STD</td> </tr> </tbody> </table> <p>d = drive capacity; x = flash chip qty; t = temperature grade C or I; cc = chip configuration</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |                                  | Series | Current Part Number | New Part Number | C-56 | SFCFdddddH1AFxT0-t-cc-51P-STD | SFCFdddddH1AFxT0-t-cc-52P-STD |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Current Part Number           | New Part Number                  |        |                     |                 |      |                               |                               |
| C-56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SFCFdddddH1AFxT0-t-cc-51P-STD | SFCFdddddH1AFxT0-t-cc-52P-STD    |        |                     |                 |      |                               |                               |
| <b>Implementation date:</b> April 3, 2020<br>Products with new firmware can be ordered immediately. Products with old firmware remain orderable for approved customer applications under the condition that the host system and its behavior does not change (Hardware, Software, Workload, etc.) after initial qualification of the CompactFlash product at customer side. However, it is recommended to switch to the new FW.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                                  |        |                     |                 |      |                               |                               |
| <b>Recommended action:</b> Qualify new item with improved FW to ensure highest reliability and compatibility in host system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |                                  |        |                     |                 |      |                               |                               |
| <p>Should you have any questions or concerns with the content of this change, please contact the Swissbit PCN team at <a href="mailto:customer.pcn@swissbit.com">customer.pcn@swissbit.com</a> 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.</p> <p style="text-align: center;"><b>IMPORTANT NOTE:</b></p> <p style="text-align: center;"><i>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.</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                                  |        |                     |                 |      |                               |                               |

## Product Notification Form

### Products affected:

| Series | Current Part Number          | New Part Number              |
|--------|------------------------------|------------------------------|
| C-56   | SFCF4096H1AF1T0-I-GS-51P-STD | SFCF4096H1AF1T0-I-GS-52P-STD |
|        | SFCF4096H1AF1T0-C-GS-51P-STD | SFCF4096H1AF1T0-C-GS-52P-STD |
|        | SFCF008GH1AF2T0-I-GS-51P-STD | SFCF008GH1AF2T0-I-GS-52P-STD |
|        | SFCF008GH1AF2T0-C-GS-51P-STD | SFCF008GH1AF2T0-C-GS-52P-STD |
|        | SFCF016GH1AF2T0-I-GS-51P-STD | SFCF016GH1AF2T0-I-GS-52P-STD |
|        | SFCF016GH1AF2T0-C-GS-51P-STD | SFCF016GH1AF2T0-C-GS-52P-STD |
|        | SFCF032GH1AF2T0-I-LT-51P-STD | SFCF032GH1AF2T0-I-LT-52P-STD |
|        | SFCF032GH1AF2T0-C-LT-51P-STD | SFCF032GH1AF2T0-C-LT-52P-STD |
|        | SFCF064GH1AF4T0-I-LT-51P-STD | SFCF064GH1AF4T0-I-LT-52P-STD |
|        | SFCF064GH1AF4T0-C-LT-51P-STD | SFCF064GH1AF4T0-C-LT-52P-STD |