

## Product Change Notification – Minor change

| <b>PCN #:</b> PCN26-0096                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Rev:</b> 1.0                                     | <b>Issue Date:</b> July 24, 2026 |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
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| <b>Purpose of notification:</b> Addition of Approved Substrate suppliers and Base Material for SD and microSD Cards<br><b>Type of notification:</b> Minor change, for informational notice only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                     |                                  |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| <p><b>New Substrate supplier</b></p> <p>In order to ensure long-term product availability and supply security, Swissbit is approving two additional vendors to secure adequate substrate supply for future production of the products listed below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Parameter</th> <th style="width: 35%;">Current supplier</th> <th style="width: 35%;">New suppliers</th> </tr> </thead> <tbody> <tr> <td>Substrate base material</td> <td colspan="2">Identical new base material (See below)</td> </tr> <tr> <td>Solder mask</td> <td colspan="2">Identical</td> </tr> <tr> <td>Layout and Gerber File</td> <td colspan="2">very similar, galvanic lines removed</td> </tr> <tr> <td>Certifications</td> <td colspan="2">           ISO 90012015<br/>           ISO 14001:2015<br/>           ISO/TS 16949:2016         </td> </tr> </tbody> </table> <p><b>New base material</b></p> <p>Due to an EOL of a sub-supplier providing the base material, we have evaluated a new base material for our SD and microSD cards. This ensures continued high-quality production and mitigates supply risks. The new base material has already been successfully used in other Swissbit products and has been deployed in high volumes for years. This ensures proven reliability and performance consistency.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Parameter</th> <th style="width: 35%;">Old base material</th> <th style="width: 35%;">New base material</th> </tr> </thead> <tbody> <tr> <td>Tg (DMA)</td> <td>210-225°C</td> <td>230°C</td> </tr> <tr> <td>CTE x/y-axis</td> <td>11-15 ppm/°C</td> <td>14-15 ppm/°C</td> </tr> <tr> <td>Flexural Modulus (GPa)</td> <td>23-28</td> <td>28</td> </tr> <tr> <td>Permittivity @ 1GHz</td> <td>4.6-4.8</td> <td>4.9</td> </tr> <tr> <td>Flammability</td> <td>94V-0</td> <td>94V-0</td> </tr> <tr> <td>Peel Strength (12um Cu)</td> <td>0.75-0.85 kN/m</td> <td>0.90kN/m</td> </tr> </tbody> </table> <p>For both changes described above (approval of new base material and addition of an additional substrate supplier), the following applies:</p> <p>The new base material and the additional approved substrate supplier have been evaluated and qualified according to Swissbit's qualification process. No impact on quality, reliability or functionality is expected, and full backward compatibility with the current substrate is ensured. No additional customer qualification is recommended.</p> <p>There is no change to form, fit or function, no change to Swissbit part numbers, and no change to performance or datasheets. Depending on availability, the controlled transition to mixed use of approved suppliers will begin. Full component traceability is always ensured.</p> |                                                     |                                  | Parameter | Current supplier | New suppliers | Substrate base material | Identical new base material (See below) |  | Solder mask | Identical |  | Layout and Gerber File | very similar, galvanic lines removed |  | Certifications | ISO 90012015<br>ISO 14001:2015<br>ISO/TS 16949:2016 |  | Parameter | Old base material | New base material | Tg (DMA) | 210-225°C | 230°C | CTE x/y-axis | 11-15 ppm/°C | 14-15 ppm/°C | Flexural Modulus (GPa) | 23-28 | 28 | Permittivity @ 1GHz | 4.6-4.8 | 4.9 | Flammability | 94V-0 | 94V-0 | Peel Strength (12um Cu) | 0.75-0.85 kN/m | 0.90kN/m |
| Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Current supplier                                    | New suppliers                    |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Substrate base material                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Identical new base material (See below)             |                                  |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Solder mask                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Identical                                           |                                  |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Layout and Gerber File                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | very similar, galvanic lines removed                |                                  |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Certifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ISO 90012015<br>ISO 14001:2015<br>ISO/TS 16949:2016 |                                  |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Old base material                                   | New base material                |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Tg (DMA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 210-225°C                                           | 230°C                            |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| CTE x/y-axis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 11-15 ppm/°C                                        | 14-15 ppm/°C                     |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Flexural Modulus (GPa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 23-28                                               | 28                               |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Permittivity @ 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.6-4.8                                             | 4.9                              |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Flammability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 94V-0                                               | 94V-0                            |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| Peel Strength (12um Cu)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.75-0.85 kN/m                                      | 0.90kN/m                         |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| <b>Quality impact:</b> No impact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |                                  |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |
| <b>Reliability impact:</b> No impact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                     |                                  |           |                  |               |                         |                                         |  |             |           |  |                        |                                      |  |                |                                                     |  |           |                   |                   |          |           |       |              |              |              |                        |       |    |                     |         |     |              |       |       |                         |                |          |

## Product Change Notification – Minor change

### Product series affected:

| Series                         | Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | New Part Number                       |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| PS-66u                         | SFSD016GN1PT1TB-I-5E-02P-SW4<br>SFSD016GN1PT1TB-I-5E-02P-TR0<br>SFSD032GN1PT1TB-I-6F-02P-SW4<br>SFSD032GN1PT1TB-E-6F-D2P-SW2<br>SFSD016GN1PT1TB-E-5E-D2P-SW2<br>SFSD064GN1PT1TB-I-7G-02P-SW4<br>SFSD064GN1PT1TB-I-7G-000-XY1<br>SFSD064GN1PT1TB-I-7G-00P-QL0<br>SFSD064GN1PT1TB-E-7G-D2P-SW2<br>SFSD016GN1PT1TB-E-5E-F2P-SW2<br>SFSD016GN1PT1TB-E-5E-F5P-SW2<br>SFSD016GN1PT1TB-E-5E-F9P-SW2<br>SFSD008GN1PT1TB-E-5E-F5P-SW2<br>SFSD008GN1PT1TB-E-5E-F3P-SW2<br>SFSD032GN1PT1TB-E-6F-F2P-SW2<br>SFSD064GN1PT1TB-E-7G-F2P-SW2 | No change, traceability over lot code |
| PS-66u<br>iShield Camera       | SFSD016GN1PT1TB-I-5E-06P-SW3<br>SFSD032GN1PT1TB-I-6F-06P-SW3                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No change, traceability over lot code |
| PS-66u<br>iShield Archive      | SFSD016GN1PT1TB-I-5E-07P-SW6<br>SFSD032GN1PT1TB-I-6F-07P-SW6<br>SFSD064GN1PT1TB-I-7G-07P-SW6                                                                                                                                                                                                                                                                                                                                                                                                                                 | No change, traceability over lot code |
| PS-66u<br>Security Upgrade Kit | SFSD016GN1PT1TB-I-5E-02P-SB8<br>SFSD032GN1PT1TB-I-6F-02P-SB8<br>SFSD064GN1PT1TB-I-7G-02P-SB8                                                                                                                                                                                                                                                                                                                                                                                                                                 | No change, traceability over lot code |

**Implementation date:** Estimated August 2026, floating transition to mixed use based on stock.

Traceability of the products is given via lot code.

Should you have any questions or concerns with the content of this change, please contact the Swissbit PCN team at [customer.pcn@swissbit.com](mailto: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.*

*The dates mentioned are subject to change based on business and operational conditions.*