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| Company | Trenz Electronic GmbH |
| PCN Number | PCN-20210506 Power up Improvement |
| Title | TEB0707-02 |
| Subject | BOM change |
| Issue Date | 2021-05-06 |

1 Products Affected

This change affects TEB0707 of Revision 02: TEB0707-02.

2 Changes

2.1 #1 Change C10 to 1 μ F X5R

Type: BOM change

Reason: DCDC U1 detects an overcurrent situation if large capacitive loads are turned on with power switch Q1, e.g. when several bank IO voltages are powered by 3.3V. This is prevented by enlarging the rise time of Q1, hence using a larger capacitor C10.

Impact: Depending on capabilities of connected 4x5 module, all banks can be powered by 3.3V.

3 Method of Identification

Boards with serial number equal or greater than 667339 (white QR Sticker) are affected by this PCN and have the new 1 μ F capacitor installed.

4 Production Shipment Schedule

Boards and assemblies shipped with beginning of Mai 2021 are affected by this PCN.

5 Contact Information

If you have any questions related to this PCN, please contact Trenz Electronics Technical Support at

- forum.trenz-electronic.de¹
- wiki.trenz-electronic.de²
- support@trenz-electronic.de³ (subject = PCN-20210506)
- phone
 - national calls: 05741 3200-0
 - international calls: 0049 5741 3200-0

6 Disclaimer

Any projected dates in this PCN are based on the most current product information at the time this PCN is being issued, but they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local Trenz Electronic sales office, technical support or local distributor.
This PCN follows JEDEC Standard J-STD-046.

¹ <http://forum.trenz-electronic.de/>

² <http://wiki.trenz-electronic.de/>

³ <mailto:support@trenz-electronic.de?subject=PCN-20210506>