

PCN-20190104 TE0703-05 to TE0703-06 Hardware Revision Change

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|-------------------|-------------------------------------------------|
| Company | Trenz Electronic GmbH |
| PCN Number | PCN-20190104 |
| Title | TE0703-05 to TE0703-06 Hardware Revision Change |
| Subject | Trenz Electronic TE0703 Hardware Change |
| Issue Date | 2019-04-30 |

Products Affected

This change affects all variations of TE0703 carrier of revision: TE0703-05

| affected product | suggested upgrade |
|------------------|-------------------|
| TE0703-05 | TE0703-06 |

Changes

#1 Changed micro SD card connector (J3)

Type: BOM change

Reason: Demand for industrial temperature range

Impact: Specified for industrial temperature range

#2 Changed push button (S1)

Type: BOM change

Reason: Demand for industrial temperature range

Impact: Specified for industrial temperature range

#3 Replaced input power protection

Type: Optimization

Reason: Cost savings

Impact: None

#4 Added jumper (J11) to select SD level shifter voltage on FPGA side

Type: Schematic change

Reason: Modules have 1.8 V or 3.3 V bank power where SD signals are connected

Impact: Select SD level shifter voltage according to module specification

#5 Added power switch for SD level shifter supply voltages

Type: Schematic change

Reason: Ensure power sequencing of level shifter

Impact: Power sequencing respected under any circumstances

#6 Replaced R5 by 1 kOhm and VBUS capacitors by 4.7 μ F, add 0 Ohm resistors to OTG-ID net

Type: BOM change

Reason: Ensure USB-OTG compability

Impact: Board compatible to new version with microUSB connector and OTG capability

#7 Replaced jumpers by SMD versions, moved VBAT to other position

Type: Layout change

Reason: Optimize production cost

Impact: None

#8 Routing lenght of differential pairs B34_L17, B34_L15, B34_L21, B34_L13, B34_L10, B34_L20 changed

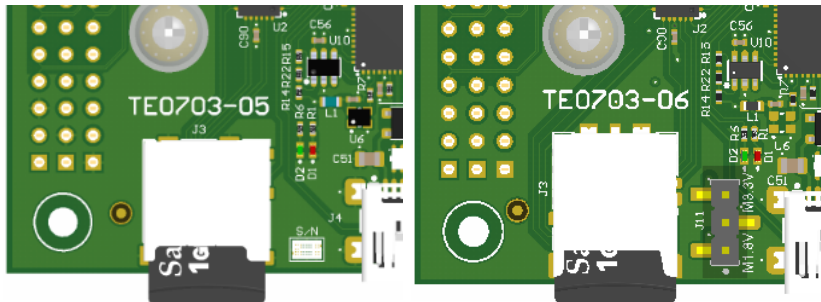
Type: Layout change

Reason: Other changes and limited space on PCB

Impact: Applications with exact timing requirements on these IOs have to be checked and if necessary adjusted

Method of Identification

The model code and revision number (e.g. TE0703-05 or TE0703-06) are printed on the top side of the PCB above the SD card slot.



Production Shipment Schedule

March 2019, after old stock is gone. If the new revision is not suitable for your application and still the former revision of the board is needed, please contact us.

Contact Information

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

- forum.trenz-electronic.de
- wiki.trenz-electronic.de
- support@trenz-electronic.de (subject = PCN-20190104)
- phone
 - national calls: 05223 65301-0
 - international calls: 0049 5223 65301-0

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.