

PCN-20240123 TEBT0808-02 to TEBT0808-03 Hardware Revision Change

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Company	Trenz Electronic GmbH
PCN Number	PCN-20240123
Title	TEBT0808-02 to TEBT0808-03 Hardware Revision Change
Subject	Hardware Revision Change
Issue Date	2024-01-23

Products Affected

This change affects all Trenz Electronic TEBT0808 boards: TEBT0808-02*.

Affected Product	Replacement
TEBT0808-02	TEBT0808-03

Changes

#1 Added level translator (U4) for signal "MR" level shifting between 1.8 V and 3.3 V.

Type: Schematic Change

Reason: Use consistent voltage level.

Impact: Improve signal handling.

#2 Changed "PSBATT" power supply from diode (D1) to LDO (U6).

Type: Schematic Change

Reason: Follow AMD recommendation.

Impact: Reduced battery voltage level to 1.2 V.

#3 Changed leds (D2, D3, D4) from 150 060 RS7 500 0 to 19-213/R6C-AL1M2VY /3T.

Type: Schematic Change

Reason: BOM optimization

Impact: None.

#4 Changed ferrid bead BKP0603HS121-T (L1) to MPZ0603S121HT000.

Type: Schematic Change

Reason: EOL of Component.

Impact: None.

#5 Added resistor (R43).

Type: Schematic Change

Reason: Add assemble option.

Impact: None. Possibility to disconnect JTAG Header from 3.3 V power rail.

#6 Added UKCA logo.

Type: PCB Change

Reason: Required for export to UK.

Impact: None.

#7 Changed fiducials to standard fiducial type.

Type: Schematic Change

Reason: Use standard fiducials.

Impact: None.

#8 Updated components from library.

Type: Schematic Change

Reason: Use latest component data.

Impact: None.

#9 Updated revision history and page order.

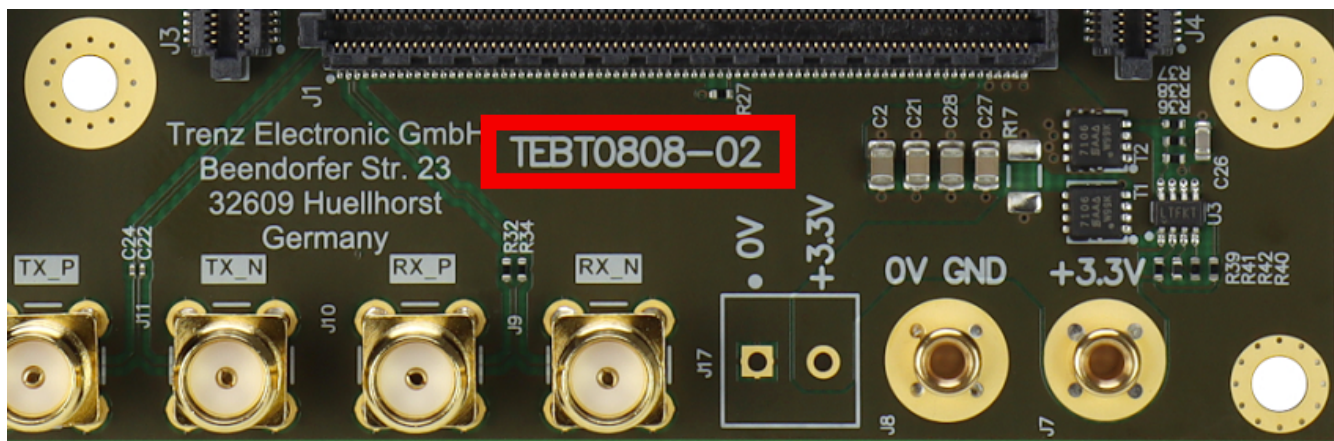
Type: Documentation Update

Reason: Documentation improvement.

Impact: None.

Method of Identification

The revision number is printed on the top side of the PCB.



Production Shipment Schedule

From August 2024, 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 Electronics Technical Support at

- forum.trenz-electronic.de
- wiki.trenz-electronic.de
- support@trenz-electronic.de (subject = PCN-20240123)
- phone
 - national calls: 05741 3200-0
 - international calls: 0049 5741 3200-0

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.

This PCN follows JEDEC Standard J-STD-046.