

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

## 1 Products Affected

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

<b>Affected Product</b>	<b>Replacement</b>
TEBT0808-02	TEBT0808-03

## 2 Changes

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### 2.1 #1 Added level translator (U4) for signal "MR" level shifting between 1.8 V and 3.3 V.

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**Type:** Schematic Change

**Reason:** Use consistent voltage level.

**Impact:** Improve signal handling.

### 2.2 #2 Changed "PSBATT" power supply from diode (D1) to LDO (U6).

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**Type:** Schematic Change

**Reason:** Follow AMD recommendation.

**Impact:** Reduced battery voltage level to 1.2 V.

### 2.3 #3 Changed leds (D2, D3, D4) from 150 060 RS7 500 0 to 19-213/R6C-AL1M2VY/3T.

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**Type:** Schematic Change

**Reason:** BOM optimization

**Impact:** None.

## 2.4 #4 Changed ferrid bead BKP0603HS121-T (L1) to MPZ0603S121HT000.

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**Type:** Schematic Change

**Reason:** EOL of Component.

**Impact:** None.

## 2.5 #5 Added resistor (R43).

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**Type:** Schematic Change

**Reason:** Add assemble option.

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

## 2.6 #6 Added UKCA logo.

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**Type:** PCB Change

**Reason:** Required for export to UK.

**Impact:** None.

## 2.7 #7 Changed fiducials to standard fiducial type.

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**Type:** Schematic Change

**Reason:** Use standard fiducials.

**Impact:** None.

## 2.8 #8 Updated components from library.

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**Type:** Schematic Change

**Reason:** Use latest component data.

**Impact:** None.

## 2.9 #9 Updated revision history and page order.

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**Type:** Documentation Update

**Reason:** Documentation improvement.

**Impact:** None.

