

# PCN-20221115 TEI0001-03 to TEI0001-04 Hardware Revision Change

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<b>Company</b>	Trenz Electronic GmbH
<b>PCN Number</b>	PCN-20221115
<b>Title</b>	TEI0001-03 to TEI0001-04 Hardware Revision Change
<b>Subject</b>	Hardware Revision Change
<b>Issue Date</b>	2023-01-17

## Products Affected

This change affects all Trenz Electronic TEI0001 boards: TEI0001-03\*.

Affected Product	Replacement
TEI0001-03-08-C8	TEI0001-04-DBC83A
TEI0001-03-DBC83A	TEI0001-04-DBC83A
TEI0001-03-16-C8AC	TEI0001-04-FBC84A
TEI0001-03-16-C8A	TEI0001-04-FBC84A
TEI0001-03-16-C8	TEI0001-04-FBC84A
TEI0001-03-FBC83A	TEI0001-04-FBC84A
TEI0001-03-FBC84A	TEI0001-04-FBC84A
TEI0001-03-08-C8-P	TEI0001-04-DBC83A (30x)

## Changes

### #1 Changed SPI Flash W74M64FVSSIQ to W25Q64JVSSIQ for U5 and added option for SPI Flash EPCQ16ASI8N (U10).

**Type:** Schematic Change

**Reason:** EOL of Component.

**Impact:** Memory sizes and frequencies are dependent on the used variant ([Intel MAX 10 based modules](#)). Secure authentication is not more available.

### #2 Changed ferrid bead LI0402E300R-10 to MPZ0603S121HT000 for L1, L2.

**Type:** Schematic Change

**Reason:** EOL of Component.

**Impact:** None. Minor changes in electrical characteristics.

### **#3 Changed clock DSC6011ME2A-012.0000T to DSC6011ME2B-012.0000T for U6.**

**Type:** Schematic Change

**Reason:** EOL of Component.

**Impact:** None. This clock is not assembled.

### **#4 Added capacitor C35 for net USB\_VBUS.**

**Type:** Schematic Change

**Reason:** Improve power supply.

**Impact:** None. Minor changes in electrical characteristics.

### **#5 Changed DCDC EP53A7HQI to MPM3834CGPA-Z for U8 and adapted power circuit.**

**Type:** Schematic Change

**Reason:** EOL of Component.

**Impact:** None. Minor changes in electrical characteristics.

### **#6 Added UKCA logo.**

**Type:** PCB Change

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

**Impact:** None.

### **#6 Added pin description on silkscreen layer.**

**Type:** PCB Change

**Reason:** Improves pinout documentation.

**Impact:** None.

### **#7 Updated components from library.**

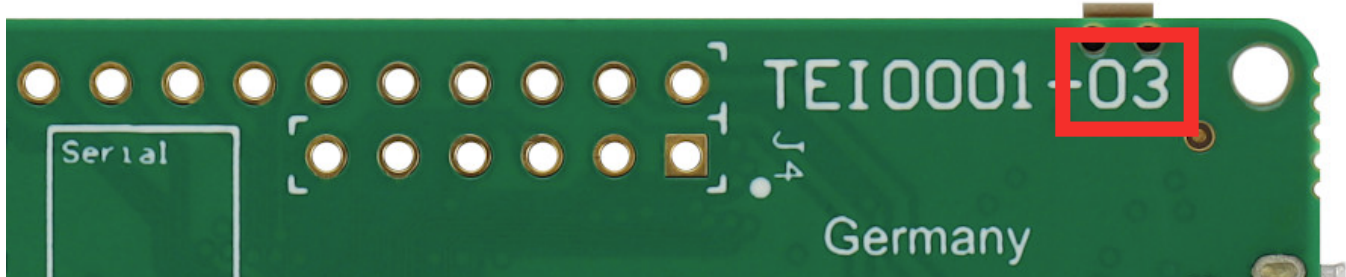
**Type:** Schematic Change

**Reason:** Use latest component data.

**Impact:** None.

## **Method of Identification**

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



## Production Shipment Schedule

From August 2023, 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](https://forum.trenz-electronic.de)
- [wiki.trenz-electronic.de](https://wiki.trenz-electronic.de)
- [support@trenz-electronic.de](mailto:support@trenz-electronic.de) (subject = PCN-20221115)
- 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.