

Company	Trenz Electronic GmbH
PCN Number	PCN-20240801
Title	TEL0001-02 to TEL0001-03 Hardware Revision Change
Subject	Hardware Revision Change
Issue Date	2024-08-26

1 Products Affected

This change affects all Trenz Electronic TEL0001 SoMs: TEL0001-02*.

Affected Product	Replacement
TEL0001-02	TEL0001-03-CG41A

2 Changes

2.1 #1 Changed DCDC EP53A7HQI (U4) to MPM3834CGPA-Z and adapted power circuit.

Type: Schematic Change

Reason: EOL of Component.

Impact: None. Minor changes in electrical characteristics.

2.2 #2 Changed MEMS oscillator (U3) from DSC6011ME2A-012.0000T to DSC6011ME2B-012.0000T.

Type: BOM change

Reason: EOL of component.

Impact: None.

2.3 #3 Changed MEMS oscillator (U6) from SiT8008AI-73-XXS-100.000000E to SiT8008BI-73-XXS-100.000000E.

Type: Schematic Change

Reason: Use new clock revision.

Impact: None.

2.4 #4 Added series termination resistor (R29, R36) for MEMS oscillator (U6, U3).

Type: Schematic Change

Reason: Improve impedance matching.

Impact: None. Improved signal quality.

2.5 #5 Added UKCA- and RoHS-logo.

Type: PCB Change

Reason: Improve product classification.

Impact: None.

2.6 #6 Added system and power diagram and legal notices. Updated revision history. Updated page count and order.

Type: Documentation Update

Reason: Documentation improvement.

Impact: None.

2.7 #7 Updated components from library.

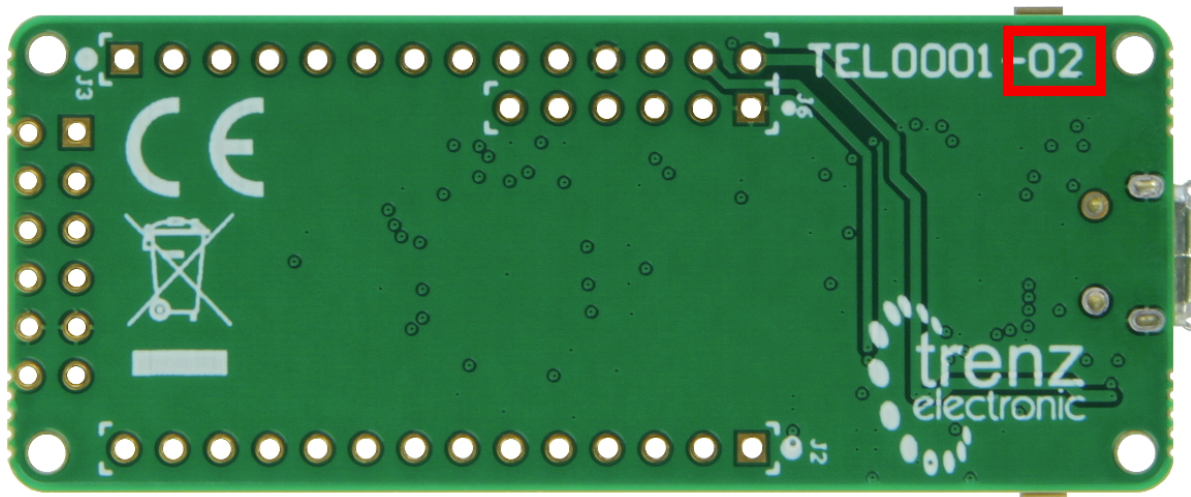
Type: Schematic Change

Reason: Use latest component data.

Impact: None.

3 Method of Identification

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



4 Production Shipment Schedule

This change takes place with immediate effect. If the new revision is not suitable for your application and still the former revision of the board is needed, please contact us.

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-20240801)
- 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.

¹ <http://forum.trenz-electronic.de/>

² <http://wiki.trenz-electronic.de/>

³ <mailto:support@trenz-electronic.de?subject=PCN-20240801>



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Document Rev: v.6

This PCN follows JEDEC Standard J-STD-046.