

Company	Trenz Electronic GmbH
PCN Number	PCN-20240228
Title	CR00100-01 to CR00100-02 Hardware Revision Change
Subject	Hardware Revision Change
Issue Date	2024-02-27

1 Products Affected

This change affects all Trenz Electronic CR00100 SoMs: CR00100-01*.

Affected Product	Replacement
CR00100-01-DBC82A	CR00100-02-DBC82A

2 Changes

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

Type: Schematic Change

Reason: EOL of Component.

Impact: If output voltage setting via signals VID0, VID1, and VID2 is used within design, design update is needed. Consider that output voltage options are reduced to 3.3 V or 1.8 V configurable via signal VID2. Minor changes in electrical characteristics.

2.2 #2 Changed DCDC EP53A7HQI (U10) to MPM3834CGPA-Z and adapted power circuit.

Type: Schematic Change

Reason: EOL of Component.

Impact: None. Minor changes in electrical characteristics.

2.3 #3 Changed MEMS oscillator (U7) from DSC6011ME2A-012.0000T to SiT8008BI-73-XXS-12.000000E.

Type: BOM change

Reason: EOL of component.

Impact: None. Minor changes in electrical characteristics.

2.4 #4 Added board revision decoding at FPGA pins M9 (REVID0) and M8 (REVID1).

Type: Schematic Change

Reason: Improve board revision identification.

Impact: None.

2.5 #5 Updated components from library.

Type: Schematic Change

Reason: Use latest component data.

Impact: None.

2.6 #6 Added revision history. Updated page count and order.

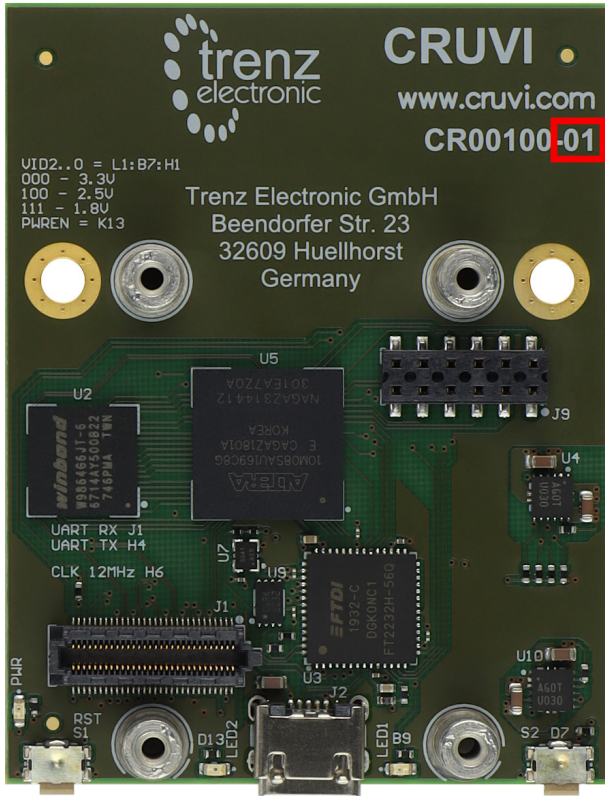
Type: Documentation Update

Reason: Documentation improvement.

Impact: None.

3 Method of Identification

The revision number is printed on the top 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-20240228)
- phone
 - national calls: 05741 3200-0

¹ <http://forum.trenz-electronic.de/>

² <http://wiki.trenz-electronic.de/>

³ <mailto:support@trenz-electronic.de?subject=PCN-20240228>

- 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.

This PCN follows JEDEC Standard J-STD-046.