

Company	Trenz Electronic GmbH
PCN Number	PCN-20180817
Title	TE0803-01 to TE0803-02 Hardware Revision Change
Subject	Trenz Electronic TE0803 Hardware Change
Issue Date	20180817

Products Affected

This change affects all variations of TE0803 SoMs of revision: TE0803-01-*

affected product	suggested upgrade
TE0803-01-*	TE0803-02-*
TE0803-01a-*	

Changes

#1 Added LDO to DDR_PLL

Type: Improvement

Reason: Enhance supply stability

Impact: None

#2 All differential pairs length matched with tolerance 0.1mm (excluding package delays)

Type: Improvement

Reason: Improve signal integrity

Impact: None

#3 Added MAC EEPROM U28

Type: Enhancement

Reason: Unique MAC desired

Impact: EEPROM with MAC available at I²C address h50.

#4 PS_MGTRAVCC set to 0.85V

Type: Fix

Reason: Respect Xilinx recommendation.

Impact: None

#5 Routed POR signal to A4 pin of SPI Flash chips with not fitted resistors R70, R71

Type: Schematic change

Reason: Depending on the on the Flash type this pin is used as RESET.

Impact: More Flash types are compatible with the PCB.

#6 Added additional capacitors for VCU

Type: Fix

Reason: Xilinx recommendation.

Impact: None

#7 Routing length of DDR4 Clock elongated

Type: PCB change

Reason: Xilinx recommendation.

Impact: None

Method of Identification

The model code and revision number (e.g. TE0803-01 or TE0803-02) are printed on the top side of the PCB.

Production Shipment Schedule

After August 2018.

Contact Information

If you have any questions related to this PCN, please contact Trenz Electronic's Technical Support at

- forum.trenz-electronic.de
- wiki.trenz-electronic.de
- support@trenz-electronic.de (subject = PCN-20180817)
- phone
 - national calls: 05223 65301-0
 - international calls: 0049 5223 65301-0

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.