

# PCN-20191217 TE0722-01 to TE0722-02 Hardware Revision Change

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<b>Company</b>	Trenz Electronic GmbH
<b>PCN Number</b>	PCN-20191217
<b>Title</b>	PCN-20191217 TE0722-01 to TE0722-02 Hardware Revision Change
<b>Subject</b>	Hardware Revision Change
<b>Issue Date</b>	20191217

## Products Affected

This change affects all Trenz Electronic TE0722-01 modules.

## Changes

### #1 Changed voltage sense circuit of supervisor to sense 1.0V power rail: Replaced R7 by 10K and R15 by 19K1

**Type:** SCH change

**Reason:** XILINX recommendation use VCCINT (1.0V) for sensing.

**Impact:** None, reset is asserted when VCCINT is below approx 0.84V.

### #2 Added series resistors (33 Ohm) to RGB led (R29 .. R31)

**Type:** SCH change

**Reason:** Improve signal integrity, avoid ringing.

**Impact:** None.

### #3 Added pull-up resistors (10K) to SD-card (R23 .. R28 )

**Type:** SCH change

**Reason:** XILINX recommendation for SD connected without level shifter, avoid floating inputs when SD not used.

**Impact:** None.

### #4 Added series resistors 33 Ohm (R32, R21) on CLK and MIO28

**Type:** SCH change

**Reason:** Improve signal integrity, avoid ringing.

**Impact:** None.

## #5 Added testpoints

**Type:** SCH change

**Reason:** Prepare for automatic testing.

**Impact:** None, also 3.3V and GND available on testpoints.

## #6 Added ferrit beads L1 and L2

**Type:** SCH change

**Reason:** XILINX recommendation for clean power supply of XADC.

**Impact:** None.

## Method of Identification

The Revision number is printed on the top side of the PCB.



## Production Shipment Schedule

From January 2016, after old stock is gone.

## Contact Information

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

- [forum.trenz-electronic.de](http://forum.trenz-electronic.de)
- [wiki.trenz-electronic.de](http://wiki.trenz-electronic.de)
- [support@trenz-electronic.de](mailto:support@trenz-electronic.de) (subject = PCN-20191217)
- 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.

This PCN follows JEDEC Standard J-STD-046.