

# PCN-20200827 TE0727-01 to TE0727-02 Hardware Revision Change

[Download PDF version of this document.](#)

<b>Company</b>	Trenz Electronic GmbH
<b>PCN Number</b>	PCN-20200827
<b>Title</b>	TE0727-01 to TE0727-02 Hardware Revision Change
<b>Subject</b>	Hardware Revision Change
<b>Issue Date</b>	2020-08-27

## Products Affected

This change affects all Trenz Electronic TE0727 SoMs of revision 01: TE0727-01-\*.

Affected Product	Replacement
TE0727-01-*	TE0727-02-*

## Changes

### #1 fixed I2C connection, added I2C MUX (U16; PCA9540BGD,125)

**Type:** Schematic change

**Reason:** Both I2C was connected to I2C1 on MIO

**Impact:** Now supported both I2C: CSI & ID(on PiHAT connector)

### #2 Added optional pin-header connector for select JTAG boot mode

**Type:** Schematic change

**Reason:** Requires special workaround to write Flash in non JTAG mode (7Series Zynq)

**Impact:** Sometimes not loaded

### #3 Added 2x user LEDs

**Type:** Schematic change

**Reason:** Expansion of functionality

**Impact:** None.

### #4 Changed obsolete DDR3 chip

**Type:** BOM change

**Reason:** IS43TR16256AL-125KBLI became obsolete.

**Impact:** None.

## #5 Fixed wrong connection for CSI-2

**Type:** Schematic change

**Reason:** In J2 was swapped pin1 and pin22 (in schematic RaspberryPiZero was swapped pin1 and pin22)

**Impact:** In Rev01 was used another type connector. Now will be used at the same connector with Raspberry PiZero

## #6 Changed C85/ C86 to 10uF

**Type:** BOM change

**Reason:** U13 has total capacitance limitation

**Impact:** Stable work of DCDC

## #7 Added legal notices to Schematic

**Type:** Documentation change

**Reason:** Increase awareness of legal usage.

**Impact:** None.

## #8 Set S/N to not fitted.

**Type:** BOM change

**Reason:** Part is end of life.

**Impact:** Track it pad no more available.

## #9 LIB components update

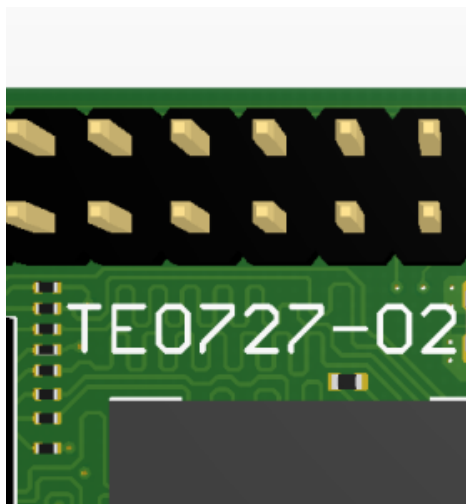
**Type:** Schematic change

**Reason:** Improve production yield.

**Impact:** None.

## Method of Identification

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



## Production Shipment Schedule

The new revision 02 is available from Q4 2020, after old Stock is gone. If you still need revision 01 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-20200827)
- 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.