

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

Products Affected

This change affects all Trenz Electronic TE0727 SoMs of revision 01: TE0820-01-*

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

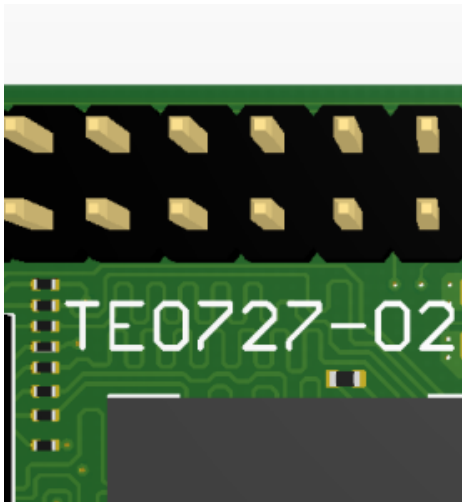
Type: Schematic change

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 ~~August~~ 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
- wiki.trenz-electronic.de
- 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.