

# PCN-20190103 TE0630-01 to TE0630-02 Hardware Revision Change

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<b>Company</b>	Trenz Electronic GmbH
<b>PCN Number</b>	PCN-20190103
<b>Title</b>	TE0630-01 to TE0630-02 Hardware Revision Change
<b>Subject</b>	Trenz Electronic TE0630 Hardware Change
<b>Issue Date</b>	20190315

## Products Affected

This change affects all variations of TE0630 SoM of revision: TE0630-01

affected product	suggested upgrade
TE0630-01	TE0630-02

## Changes

### #1 Replaced U8 by EN6338QI

**Type:** BOM Change

**Reason:** Improve fault rate

**Impact:** None

### #2 Changed track length of V3\_IO\_06 and V3\_IO\_07

**Type:** Layout change

**Reason:** Rerouted nets around U8

**Impact:** Applications with strict timings/length mached tracks have to consider new SoM track length. Signal V3\_IO\_06 15.2475 mm (was 15.0047mm), Signal V3\_IO\_07 16.0151 mm (was 15.0452 mm)

### #3 Replaced U5 by EN6338QI

**Type:** BOM Change

**Reason:** Improve fault rate

**Impact:** None

### #4 Added OR gate on PS\_EN signal

**Type:** Schematic Change

**Reason:** Improve fault rate

**Impact:** None

## #5 Replaced Diodes D1, D2, D4, by BAT54A

**Type:** BOM change

**Reason:** Former diodes obsolete

**Impact:** None

## #6 Updated Footprint of U10

**Type:** PCB change

**Reason:** Improve production yield

**Impact:** None

## #7 Update from LIB

**Type:** PCB change

**Reason:** Improve production yield

**Impact:** None

## #8 Rearranged Testpoints

**Type:** Layout change

**Reason:** Optimize testing

**Impact:** Testpoints have new locations

## #9 Added Traceability Pad

**Type:** BOM change

**Reason:** Allow automated identification of module

**Impact:** None

## #10 Replaced S5 by smaller push button B3U-1100P

**Type:** BOM change

**Reason:** Conflict with screws reported

**Impact:** Changed z-dimension has to be considered for housings

## #11 Board revision coding updated to REV02

**Type:** Schematic Change

**Reason:** New revision

**Impact:** If hardware coding of board revision is used in design, update is needed.

## Method of Identification

The model code and revision number (e.g. TE0630-01 or TE0630-02) are printed on the top side of the PCB.



## Production Shipment Schedule

Januar 2019.

## Contact Information

If you have any questions related to this PCN, please contact Trenz Electronic's 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-20190103)
- 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.