

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

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Company	Trenz Electronic GmbH
PCN Number	PCN-20190103
Title	TE0630-01 to TE0630-02 Hardware Revision Change
Subject	Trenz Electronic TE0630 Hardware Change
Issue Date	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 matched 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
- wiki.trenz-electronic.de
- 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.