

PCN-20160825 TE0600-02 to TE0600-03 Hardware Revision Change

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Company	Trenz Electronic GmbH
PCN Number	PCN-20160825
Title	TE0600-02 to TE0600-03 Hardware Revision Change
Subject	Trenz Electronic TE0600 Hardware Change
Issue Date	20160825

Products Affected

This change affects all Trenz Electronic TE0600 SoMs of the second revision: TE0600-02-.*.

affected product	suggested upgrade
TE0600-02-.*	TE0600-03-.*

Changes

#1 Optimized placement and routing for DC/DC converters

Type: Layout change

Reason: Enhance datasheet conformity

Impact: None

#2 Added thermal vias to mounting holes

Type: Layout change

Reason: Better thermal connection to mounting bolts

Impact: None

#3 Added Testpoints

Type: Layout change

Reason: Improve production testing

Impact: None

#4 Changed Board revision identification to REV03

Type: Layout change

Reason: Indicate new PCB revision

Impact: Depends on customer design, review may be needed

#5 Changed U9 from SIT1602AI-83-33E-25.0000 to SiT8008AI-73-XXS-25.000000E

Type: BOM change

Reason: Optimize usage of stock components

Impact: None

#6 Added Track-it™ Traceability Pad

Type: BOM change

Reason: Allow automated identification of module

Impact: None

#7 Change SPI Flash from W25Q128BVEIG to W25Q128FVEIG

Type: BOM change

Reason: W25Q128BV became obsolete

Impact: None

#8 DDR3 changed from IM4G16D3EABG-125I to IM4G16D3FABG-125I for the 4 GBit variants

Type: BOM change

Reason: Optimize usage of stock components

Impact: None, both are fully compatible

#9 U13 (DS2432P+) is no longer populated by default

Type: BOM change

Reason: Not required by most customers

Impact: If not used, none.

If used, please contact Trenz Electronic GmbH for a custom assembly variant.

Method of Identification

The model code and revision number (e.g. TE0720-02 or TE0720-03) are printed on the top side of the PCB.

Production Shipment Schedule

From September 2016, after REV 02 stock is gone.

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-20160825)
- 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.