

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

## Products Affected

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

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

## Changes

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### #1 Optimized placement and routing for DC/DC converters

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**Type:** Layout change

**Reason:** Enhance datasheet conformity

**Impact:** None

### #2 Added thermal vias to mounting holes

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**Type:** Layout change

**Reason:** Better thermal connection to mounting bolts

**Impact:** None

### #3 Added Testpoints

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**Type:** Layout change

**Reason:** Improve production testing

**Impact:** None

### #4 Changed Board revision identification to REV03

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**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**

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**Type:** BOM change

**Reason:** Optimize usage of stock components

**Impact:** None

## **#6 Added Track-it™ Traceability Pad**

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**Type:** BOM change

**Reason:** Allow automated identification of module

**Impact:** None

## **#7 Change SPI Flash from W25Q128BVEIG to W25Q128FVEIG**

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**Type:** BOM change

**Reason:** W25Q128BV became obsolete

**Impact:** None

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

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**Type:** BOM change

**Reason:** Optimize usage of stock components

**Impact:** None, both are fully compatible

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

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**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

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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

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From September 2016, after REV 02 stock is gone.

## Contact Information

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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-20160825)
- phone
  - national calls: 05223 65301-0
  - international calls: 0049 5223 65301-0

## Disclaimer

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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.