



PCN-20161128 TE0701-05 to TE0701-06 Hardware Revision Change

<b>Company</b>	Trenz Electronic GmbH
<b>PCN Number</b>	PCN-20161128
<b>Title</b>	TE0701-05 to TE0701-06 Hardware Revision Change
<b>Subject</b>	Trenz Electronic TE0701 Hardware Change
<b>Issue Date</b>	20161128

## Products Affected

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This change affects all Trenz Electronic TE0701 Carriers of revision: TE0701-05\*.

affected product	suggested upgrade
TE0701-05*	TE0701-06*

## Changes

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### #1 Removed holes for System Controller CPLD JTAG

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**Type:** Layout change

**Reason:** Gain space on PCB

**Impact:** None, JTAG is accessible via USB also.

### #2 Added jumper J16.

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**Type:** BOM change

**Reason:** Optionally connect VADJ to VIOTA to support 1.8V for modules with HP banks

**Impact:** None

### #3 Added S4 to select VADJ.

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**Type:** BOM change

**Reason:** Direct setting of VADJ

**Impact:** None

### #4 Changed FTDI from FT2232HQ to FT2232H-56Q

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**Type:** BOM change

**Reason:** Improve production yield

**Impact:** None

### #5 Replaced MagJack connector J14 from 7499111121A to TRJG4820G4NL

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**Type:** BOM change

**Reason:** Cost saving

**Impact:** None

## #6 Replaced Micro USB connector J12 from ZX62-AB-5PA31 to Würth 629105150521

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**Type:** BOM change

**Reason:** Better mechanical stability

**Impact:** None

## #7 Changed power supply on PMOD connector (J5) 3.3VOUT->VIOTA

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**Type:** SCH change

**Reason:** Ssupport 1.8V for modules with HP banks

**Impact:** None

## #8 Added resistors R9..R11,R33 for FMC\_CLK as swap option

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**Type:** SCH change

**Reason:** Optionally swap CLK polarity on FMC connector

**Impact:** None, default assembly is compatible to previous revision

## #9 Added Track-it™ Traceability Pad

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**Type:** BOM change

**Reason:** Allow automated identification of module

**Impact:** None

## #10 Added thermal vias to mount holes

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**Type:** Layout change

**Reason:** Better thermal performance

**Impact:** None

## #11 Changed J1, J5, J6 to SMT type

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**Type:** Layout change

**Reason:** Production improvement

**Impact:** None

## #12 Remove R43

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**Type:** BOM change

**Reason:** R43 is not needed and caused problems with some SD Cards

**Impact:** None

## Method of Identification

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The model code and revision number (e.g. TE0701-05 or TE0701-06) are printed on the top side of the PCB.

## Production Shipment Schedule

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From November 2016, after REV 05 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-20161128)
- 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.

ZX62-AB-5PA31