

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

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

Products Affected

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

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

Changes

#1 Removed holes for System Controller CPLD JTAG

Type: Layout change

Reason: Gain space on PCB

Impact: None, JTAG is accessible via USB also.

#2 Added jumper J16.

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.

Type: BOM change

Reason: Direct setting of VADJ

Impact: None

#4 Changed FTDI from FT2232HQ to FT2232H-56Q

Type: BOM change

Reason: Improve production yield

Impact: None

#5 Replaced MagJack connector J14 from 7499111121A to TRJG4820G4NL

Type: BOM change

Reason: Cost saving

Impact: None

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

Type: BOM change

Reason: Better mechanical stability

Impact: None

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

Type: SCH change

Reason: Support 1.8V for modules with HP banks

Impact: None

#8 Added resistors R9..R11,R33 for FMC_CLK as swap option

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

Type: BOM change

Reason: Allow automated identification of module

Impact: None

#10 Added thermal vias to mount holes

Type: Layout change

Reason: Better thermal performance

Impact: None

#11 Changed J1, J5, J6 to SMT type

Type: Layout change

Reason: Production improvement

Impact: None

#12 Remove R43

Type: BOM change

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

Impact: None

Method of Identification

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

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

ZX62-AB-5PA31