<table>
<thead>
<tr>
<th>Company</th>
<th>Trenz Electronic GmbH</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCN Number</td>
<td>PCN-20161128</td>
</tr>
<tr>
<td>Title</td>
<td>TE0701-05 to TE0701-06 Hardware Revision Change</td>
</tr>
<tr>
<td>Subject</td>
<td>Trenz Electronic TE0701 Hardware Change</td>
</tr>
<tr>
<td>Issue Date</td>
<td>20161128</td>
</tr>
</tbody>
</table>
Products Affected

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

<table>
<thead>
<tr>
<th>affected product</th>
<th>suggested upgrade</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE0701-05*</td>
<td>TE0701-06*</td>
</tr>
</tbody>
</table>
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
#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