

<b>Company</b>	Trenz Electronic GmbH
<b>PCN Number</b>	PCN-20210621
<b>Title</b>	TEB0911-04 eMMC Change and Product Update
<b>Subject</b>	BOM change
<b>Issue Date</b>	2021-10-12

## 1 Products Affected

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This change affects all Trenz Electronic TEB0911 boards of revision 04: TEB0911-04

<b>Affected Product</b>	<b>Replacement</b>
TEB0911-04-9BEX1FA	TEB0911-04-9BEX1MA
TEB0911-04-BBEX1FA	TEB0911-04-BBEX1MA

## 2 Changes

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### 2.1 #1 Change eMMC (U26) from IS21ES08G-JCLI to SDINBDG4-8G-XI2

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**Type:** BOM change

**Reason:** Distributor informed about unforeseeable immediate EOL of parts. No official documents from manufacturer are available. No LTB, already confirmed orders were cancelled by distributor/manufacturer.

**Impact:** None. Replacement has same capacity as used on corresponding affected variant. Reference designs for vivado versions 2019.2 and 2020.2 were tested and work properly without any changes.

### 2.2 #2 Clock Revision Change (U16, U85) SiT8008AI-73-XXS-25.000000E to SiT8008BI-73-XXS-25.000000E

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**Type:** BOM change

**Reason:** Switch to actual revision. Revision A devices may be discontinued.

**Impact:** None.

## 2.3 #3 Change Ferrite Beads (L1, L4, L5, L7, L12 .. L16) BKP0603HS121-T to MPZ0603S121HT000

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**Type:** BOM change

**Reason:** Part is NRND and EOL announced.

**Impact:** None. DC resistance decreased from 150mOhm to 130mOhm, rated current increased from 0.85A to 1A.

## 2.4 #4 Change Power Inductor (L8 .. L11) 74479787210A to MAMK2520T1R0M

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**Type:** BOM change

**Reason:** Part is EOL.

**Impact:** None. DC resistance increased from 55mOhm to 59mOhm, rated current increased from 1.3A to 2.7A.

## 2.5 #5 Change LEDs (D2, D3, D6, D16) 150 060 SS7 500 0 to 19-213/R6C-AL1M2VY/3T

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**Type:** BOM change

**Reason:** BOM optimization

**Impact:** None.

## 2.6 #6 Change LEDs (D4, D5, D13, D14, D15, D17, D18, D19) 150 060 VS7 500 0 to 19-213/G6C-BM1N2/DT

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**Type:** BOM change

**Reason:** BOM optimization

**Impact:** None.

## 2.7 #7 Set S/N to not fitted

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**Type:** BOM change

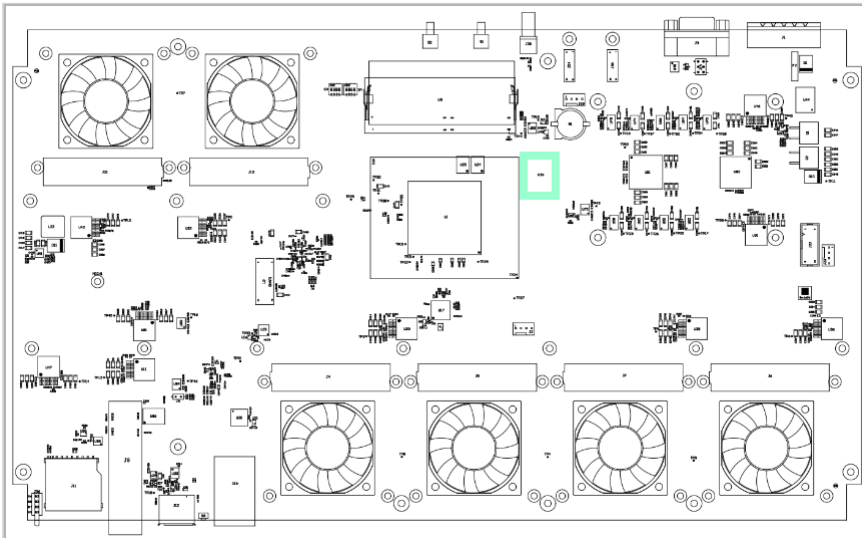
**Reason:** Part is end of life.

**Impact:** Track it pad no more available.

## 3 Method of Identification

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Locate eMMC (U26) on top side of PCB:



old	new
<b>IS21ES08G-JCLI</b>	<b>SDINBDG4-8G-XI2</b>
	

## 4 Production Shipment Schedule

From mid of October 2021, after old stock is gone, all variants above are replaced by the corresponding variants.

## 5 Contact Information

If you have any questions related to this PCN, please contact Trenz Electronics Technical Support at

- [forum.trenz-electronic.de](http://forum.trenz-electronic.de/)<sup>1</sup>
- [wiki.trenz-electronic.de](http://wiki.trenz-electronic.de/)<sup>2</sup>

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- [support@trenz-electronic.de](mailto:support@trenz-electronic.de)<sup>3</sup> (subject = PCN-20210621)
- phone
  - national calls: 05741 3200-0
  - international calls: +49 5741 3200-0

## 6 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.

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<sup>3</sup> <mailto:support@trenz-electronic.de?subject=PCN-20210621>