

PCN-20210621 TEB0911-04 eMMC Change and Product Update

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

Products Affected

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

Affected Product	Replacement
TEB0911-04-9BEX1FA	TEB0911-04-9BEX1MA
TEB0911-04-BBEX1FA	TEB0911-04-BBEX1MA

Changes

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

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

Type: BOM change

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

Impact: None.

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

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.

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

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.

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

Type: BOM change

Reason: BOM optimization

Impact: None.

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

Type: BOM change

Reason: BOM optimization

Impact: None.

#7 Set S/N to not fitted

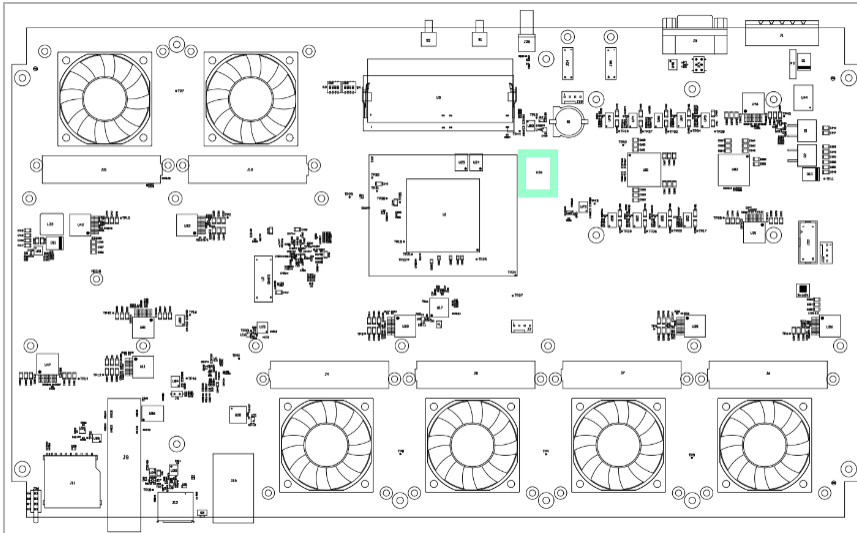
Type: BOM change

Reason: Part is end of life.

Impact: Track it pad no more available.

Method of Identification

Locate eMMC (U26) on top side of PCB:



old	new
IS21ES08G-JCLI	SDINBDG4-8G-XI2
	

Production Shipment Schedule

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

Contact Information

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

- forum.trenz-electronic.de
- wiki.trenz-electronic.de
- support@trenz-electronic.de (subject = PCN-20210621)
- phone
 - national calls: 05741 3200-0
 - international calls: +49 5741 3200-0

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.

