

<b>Company</b>	Trenz Electronic GmbH
<b>PCN Number</b>	PCN-20210613
<b>Title</b>	TE0783-02 eMMC Change and Product Update
<b>Subject</b>	BOM change
<b>Issue Date</b>	2021-09-09

## 1 Products Affected

This change affects all Trenz Electronic TE0783 SoMs of revision 02 with eMMC from manufacturer ISSI:

Affected Product	eMMC Capacity	Changes	Replacement
TE0783-02-92I33FA	8GB	#1, #4	TE0783-02-92I33MA
TE0783-02-92I35HA	64GB	#1, #2, #3, #4	TE0783-02-92I35PA

## 2 Changes

### 2.1 #1 Change eMMC (U28) from IS21ES08G-JCLI / IS21ES64G-JCLI to SDINBDG4-8G-XI2 / SDINBDG4-64G-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.

### 2.2 #2 Clock Revision Change (U7, U33, U61) SiT8008AI-... to SiT8008BI-...

**Type:** BOM change

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

**Impact:** None.

## 2.3 #3 Change Ferrite Beads (L1 - L7, L9, L10, L15, L51, L53) 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 Set S/N to not fitted

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**Type:** BOM change

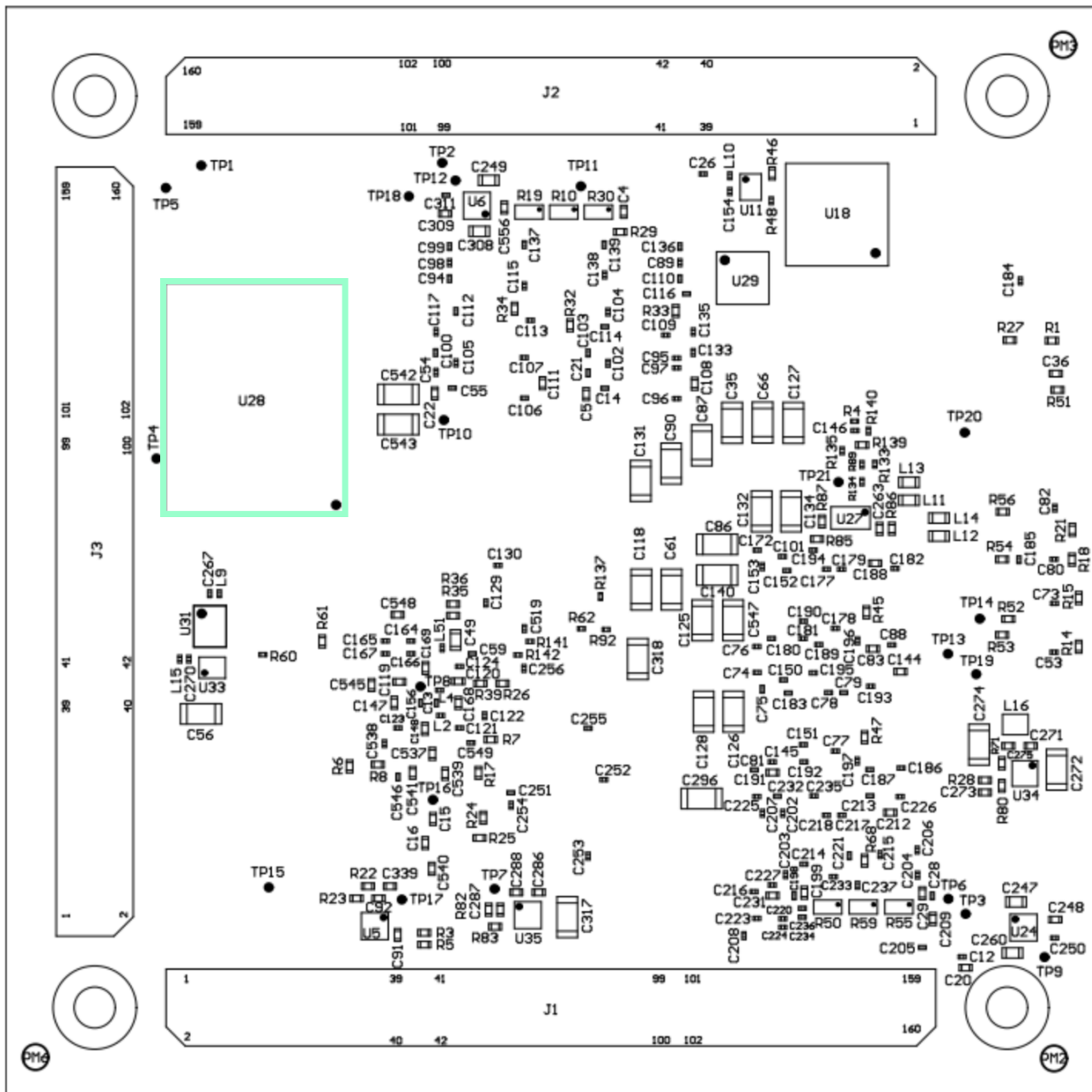
**Reason:** Part is end of life.

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

## 3 Method of Identification

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Locate eMMC (U28) on bottom side of PCB:



old	new
IS21ES08G-JCLI or IS21ES64G-JCLI	SDINBDG4-8G-XI2 or SDINBDG4-64G-XI2

old	new
	

Remark: 8GB versions are shown in figures above, chip marking of 64GB version looks accordingly.

## 4 Production Shipment Schedule

From mid of Oktober 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>
- [support@trenz-electronic.de](mailto:support@trenz-electronic.de)<sup>3</sup> (subject = PCN-20210613)
- phone
  - national calls: 05741 3200-0
  - international calls: +49 5741 3200-0

## 6 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.

<sup>1</sup> <http://forum.trenz-electronic.de/>

<sup>2</sup> <http://wiki.trenz-electronic.de/>

<sup>3</sup> <mailto:support@trenz-electronic.de?subject=PCN-20210613>