PCN-20210613 TE0783-02 eMMC Change and Product Update

Download PDF version of this document.

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

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

Changes

#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 form 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 (U7, U33, U61) SiT8008AI-... to SiT8008BI-...

Type: BOM change
Reason: Switch to actual revision. Revision A devices may be discontinued.
Impact: None.

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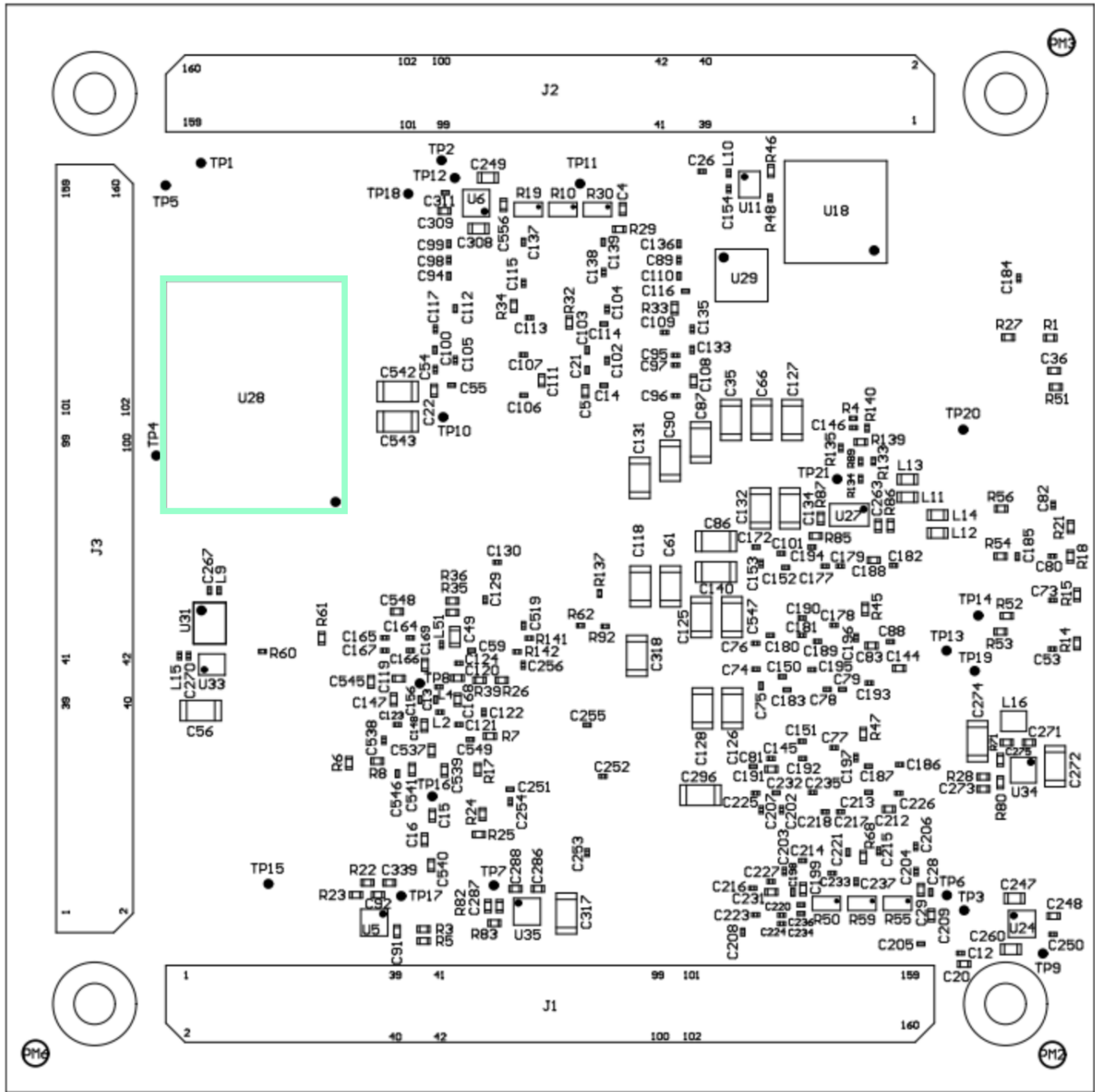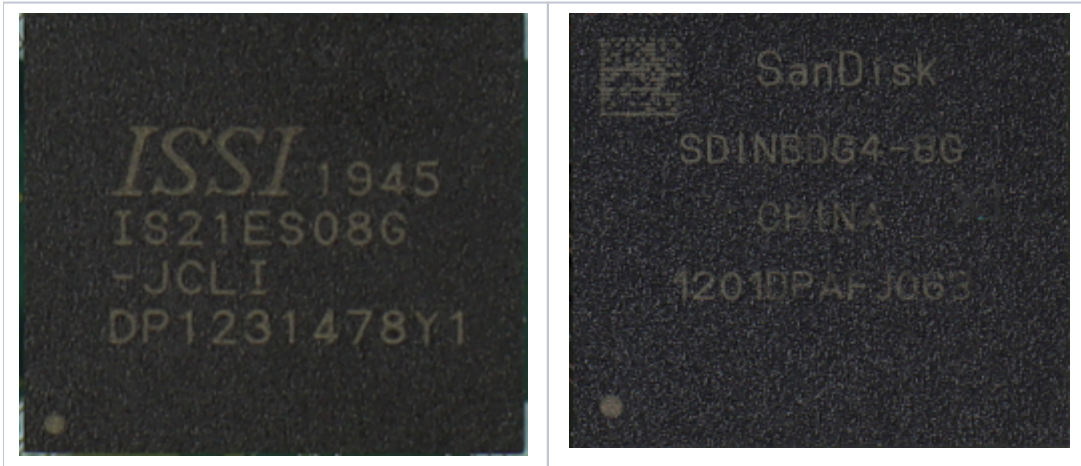
#4 Set S/N to not fitted

Type: BOM change
Reason: Part is end of life.
Impact: Track it pad no more available.

Method of Identification

Locate eMMC (U28) on bottom side of PCB:

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

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

Production Shipment Schedule

From mid of Oktober 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-20210613)
- 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.