

PCN-20210228 TE0784-01 DDR3, EMMC Change and Product Update

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Company	Trenz Electronic GmbH
PCN Number	PCN-20210228
Title	TE0784-01 DDR3, EMMC Change and Product Update
Subject	BOM change
Issue Date	2021-03-18

Products Affected

This change affects all Trenz Electronic TE0784 SoMs of revision 01: TE0784-01-*

Affected Product	Replacement
TE0784-01-045-2I	TE0784-01-92I33FA
TE0784-01-100-2I	TE0784-01-A2I33FA

Changes

#1 Change DDR3 RAM (U10, U19) from IM4G16D3FABG-125I to IS43TR16256BL-125KBLI

Type: BOM change

Reason: Component is end of life.

Impact: New DDR timings may be considered in designs. DDR3 setup used in reference design is known to work still.

#2 Change eMMC (U15) from MTFC4GACAJCN-4M IT to IS21ES08G-JCLI

Type: BOM change

Reason: Improve availability.

Impact: The eMMC capacity changed from 4 GByte to 8 GByte.

#3 Clock Revision Change (U61) SiT8008AI-... to SiT8008BI-...

Type: BOM change

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

Impact: None.

#4 Change Ferrite Beads (L2 .. L10, L51, L53) BKP0603HS121-T to MPZ0603S121HT000

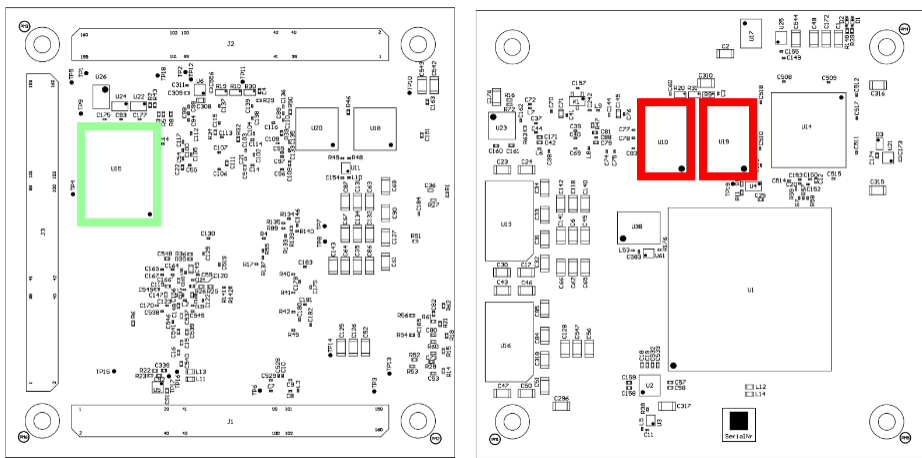
Type: BOM change
Reason: Part is NRND and EOL announced.
Impact: None. DC resistance decreased from 150mOhm to 130mOhm, rated current increased from 0.85A to 1A.

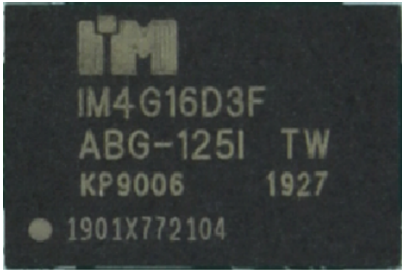
#5 Set S/N to not fitted

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

Method of Identification

Locate DDR3 RAM (U10, U19) on bottom and eMMC (U15) on top side of PCB:



old	new
IM4G16D3FABG-125I	IS43TR16256BL-125KBLI
	
MTFC4GACAJCN-4M IT	IS21ES08G-JCLI



Production Shipment Schedule

From end of August 2021.

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-20210228)
- 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.

