

PCN-20211014 TE0802-02 LPDDR4 Change and Product Update

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Company	Trenz Electronic GmbH
PCN Number	PCN-20211014
Title	TE0802-02 LPDDR4 Change and Product Update
Subject	BOM change
Issue Date	2021-11-05

Products Affected

This change affects Trenz Electronic TE0802 boards of revision 02: TE0802-02

Affected Product	Replacement
TE0802-02-2AEU2-A	TE0802-02-2AEV2-A

Changes

#1 Change LPDDR4 (U13) from IS43LQ32256A-062BLI to K4F8E304HB-MGCJ

Type: BOM change

Reason: Improve current availability and unify product line.

Impact: New LPDDR4 is commercial temperature grad -25 .. +85°C. Size, configuration as well as key timing parameters are the same, but existing designs have to be checked and if necessary adapted.

#2 Clock Revision Change (U19, U23) SiT8008AI-73-XXS-... to SiT8008BI-73-XXS-

...

Type: BOM change

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

Impact: None.

#3 Change Ferrite Beads (L9 .. L14, L17 .. L19, L21, L27, L28) 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 microUSB connector from 105017-0001 to 10118194-0001LF

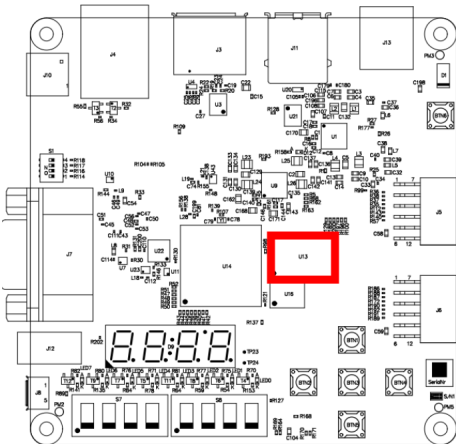
Type: BOM change
Reason: Connection problems reported with correlation to this connector.
Impact: None.

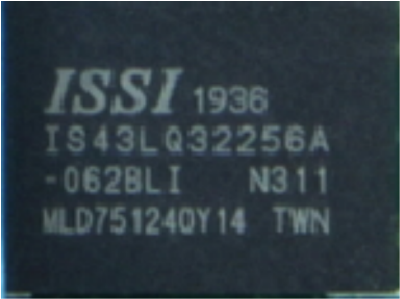
#5 S/N not assembled

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

Method of Identification

Locate LPDDR4 (U13) on top side of PCB:



old	new
IS43LQ32256A-062BLI	K4F8E304HB-MGCJ
	

Production Shipment Schedule

From January 2022, after old stock is gone, variant above is replaced by the corresponding new one.

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-20211014)
- 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.