

PCN-20210119a TE0713-02 DDR3 Change (Revised)

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Company	Trenz Electronic GmbH
PCN Number	PCN-20210119a
Title	TE0713-02 DDR3 and Flash Change
Subject	BOM change
Issue Date	(2021-01-19), Revised 2021-03-09

Products Affected

This change affects all Trenz Electronic TE0713 SoMs of revision 02: TE0713-02-*

Affected Product	Replacement
TE0713-02-100-2C	TE0713-02-72C46-A
TE0713-02-200-2C	TE0713-02-82C46-A

Changes

#1 Change DDR3 RAM (U15, 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 ~~Replaced Flash (U4) from S25FL256SAGBHI20 to IS25LP512M-RHLE~~

Type: BOM change

Reason: ~~Ensure long time availability.~~

Impact: ~~Jedec Manufacturer ID changed from 01h to 9Dh, the device ID from 18h to 19h. 512Mbit flash are now available.~~

Type: No change

Reason: The planned IS25LP512M-RHLE is listed as 'Supported Flash Memory Devices for Artix-7 Device Configuration' in Xilinx UG908 (since version 2019.1), but there are unsolved problems with reboot after petalinux was started. Therefore this change is canceled.

Impact: Nothing is changed, Jedec Manufacturer ID is 01h, the device ID 18h. Size does not change, 256 Mbit flash are available.

#3 Set S/N to not fitted

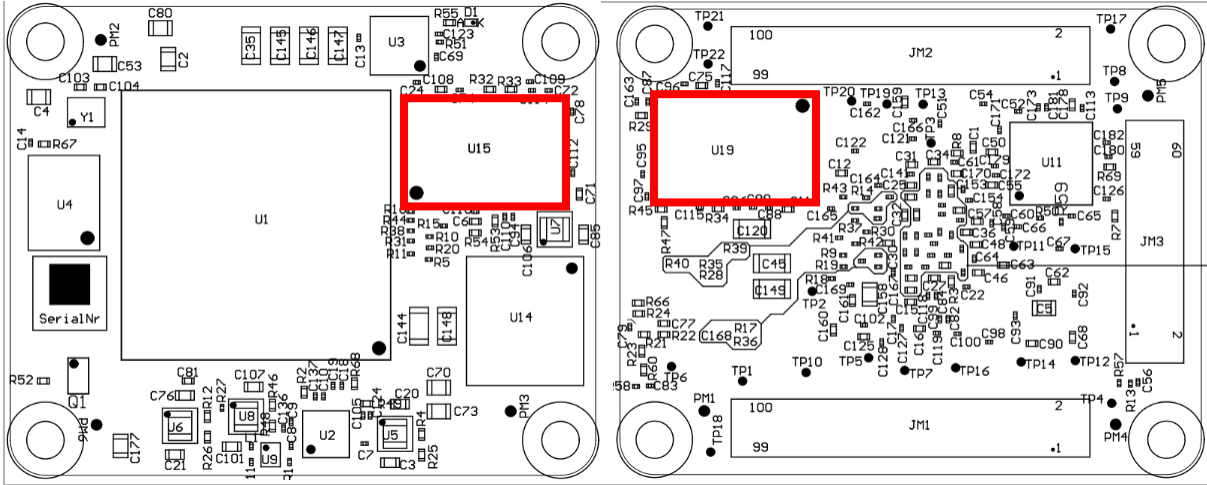
Type: BOM change

Reason: Part is end of life.

Impact: Track it pad no more available.

Method of Identification

Locate DDR3 RAM (U15 top, U19 bottom) on PCB:



old	new
IM4G16D3FABG-125I	IS43TR16256BL-125KBLI
<p>IM IM4G16D3F ABG-125I TW KP9006 1927 1901X772104</p>	<p>ISSI 2001 IS43TR16256BL -125KBLI K096 MLP758000Y1 TWN</p>

Production Shipment Schedule

From end of Juli 2021, after old stock is gone.

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-20210119a)
- 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 Trezz Electronic sales office, technical support or local distributor.