

Company	Trenz Electronic GmbH
PCN Number	PCN-20260924
Title	TE0803-04 DDR4 Update
Subject	BOM Change
Issue Date	2026-09-25

Products Affected

This change affects all Trenz Electronic TE0803 SoMs: TE0803-04*.

Affected Product	Changes	Replacement
TE0803-04-2AE11-A	#1	TE0803-04-2AE61-A
TE0803-04-2AE11-AK	#1	TE0803-04-2AE61-AK
TE0803-04-2AE11-L	#1	TE0803-04-2AE61-L
TE0803-04-2BE11-A	#1	TE0803-04-2BE61-A
TE0803-04-2BE11-AK	#1	TE0803-04-2BE61-AK
TE0803-04-3AE11-A	#1	TE0803-04-3AE61-A
TE0803-04-3AE11-AK	#1	TE0803-04-3AE61-AK
TE0803-04-3BE11-A	#1	TE0803-04-3BE61-A
TE0803-04-3BE11-AK	#1	TE0803-04-3BE61-AK
TE0803-04-3BE11-AS	#1	TE0803-04-3BE61-AS
TE0803-04-3BE11-K	#1	TE0803-04-3BE61-K
TE0803-04-3BE81-A	#2	TE0803-04-3BE61-A

Affected Product	Changes	Replacement
TE0803-04-3BE81-L	#2	TE0803-04-3BE61-L
TE0803-04-4AE11-A	#1	TE0803-04-4AE61-A
TE0803-04-4AE11-AK	#1	TE0803-04-4AE61-AK
TE0803-04-4AE11-AZ	#1, #3	TE0803-04-4AE61-A
TE0803-04-4BE11-A	#1	TE0803-04-4BE61-A
TE0803-04-4BE11-AK	#1	TE0803-04-4BE61-AK
TE0803-04-4BE11-AS	#1	TE0803-04-4BE61-AS
TE0803-04-4BE81-L	#2	TE0803-04-4BE61-L
TE0803-04-4BI81-A	#2	TE0803-04-4BI61-A
TE0803-04-4DE11-A	#1	TE0803-04-4DE61-A
TE0803-04-4DE11-AK	#1	TE0803-04-4DE61-AK
TE0803-04-4DE81-L	#2	TE0803-04-4DE61-L
TE0803-04-4DE81-LK	#2	TE0803-04-4DE61-LK
TE0803-04-4DI81-L	#2	TE0803-04-4DI61-L
TE0803-04-4GE81-L	#2	TE0803-04-4GE61-L
TE0803-04-4GE81-LK	#2	TE0803-04-4GE61-LK
TE0803-04-4GI81-A	#2	TE0803-04-4GI61-A
TE0803-04-5DE11-A	#1	TE0803-04-5DE61-A
TE0803-04-5DE11-AS	#1	TE0803-04-5DE61-AS

Affected Product	Changes	Replacement
TE0803-04-5DI81-A	#2	TE0803-04-5DI61-A
TE0803-04-5DI84-A	#2	TE0803-04-5DI64-A

Changes

#1 Changed DDR4 SDRAM (U2, U3, U9, U12) from NT5AD256M16D4-HR (512 MByte) to IS43QR16512A-075VBLI (1 GByte).

Type: Schematic Change

Reason: EOL of Component.

Impact: With increased memory size also static and dynamic (usage dependent) power consumption is increased. If relevant for your application, please compare IDD current values of corresponding memory datasheets. Memory design settings needs to be reviewed/updated in customer design. Reference designs for variants with new memory are available. Refer to [ZynqMP DDR4 Memory Setup](#) for additional information.

#2 Changed DDR4 SDRAM (U2, U3, U9, U12) from K4A8G165WC-BITDTCT to IS43QR16512A-075VBLI.

Type: BOM change

Reason: EOL of Component.

Impact: New DDR timings may be considered in designs. DDR4 setup used in reference design is known to work still according to [ZynqMP DDR4 Memory Setup](#).

#3 Changed DCDC (U13, U15, U16, U19, U20, U23, U24, U29, U30, U31) from MUN3CAD03-SE to TPS82085SIL and adapted voltage divider resistors.

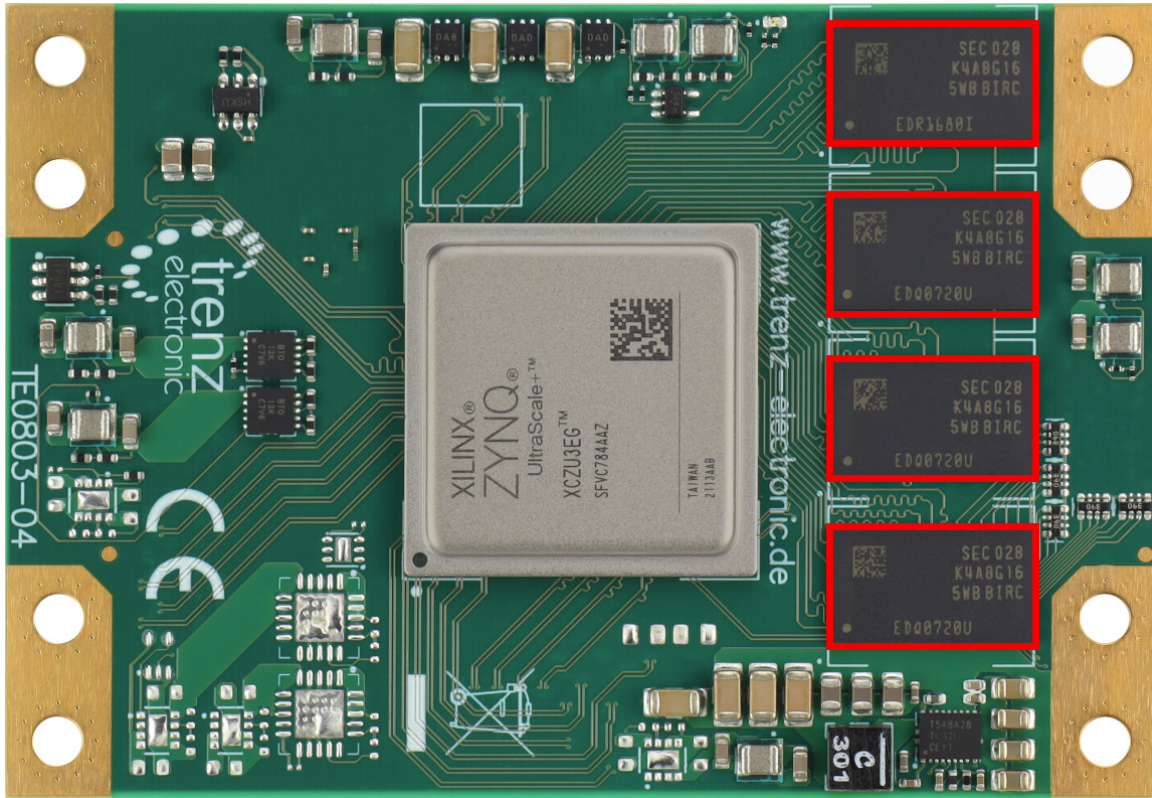
Type: BOM Change

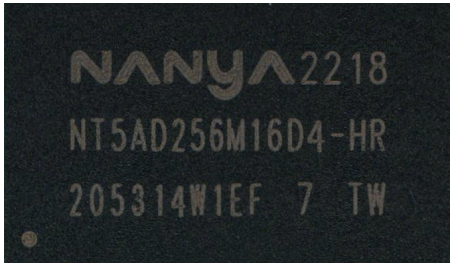
Reason: TPS82085SIL availability.

Impact: Minor changes in electrical characteristics.

Method of Identification

Locate DDR4 SDRAM (U2, U3, U9, U12) on top side of TE0803-04 PCB:



Change Number	old	new
#1	NT5AD256M16D4-HR	IS43QR16512A-075VBLI
		

Change Number	old	new
#2	K4A8G165WC-BITDTCT	IS43QR16512A-075VBLI
		

Production Shipment Schedule

This change takes place with immediate effect. If the new revision is not suitable for your application and still the former revision of the board is needed, please contact us.

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-20260924)
- phone
 - national calls: 05741 3200-0
 - international calls: 0049 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.

This PCN follows JEDEC Standard J-STD-046.