

Company	Trenz Electronic GmbH
PCN Number	PCN-20251106
Title	TE0803-04 DDR4 update
Subject	BOM Change
Issue Date	2025-11-11

Products Affected

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

Affected Product	Changes	Replacement
TE0803-04-3BE21-A	#1	TE0803-04-3BE81-A
TE0803-04-3BE21-L	#1	TE0803-04-3BE81-L
TE0803-04-4BE21-L	#1	TE0803-04-4BE81-L
TE0803-04-4BI21-A	#1	TE0803-04-4BI81-A
TE0803-04-4DE21-L	#1	TE0803-04-4DE81-L
TE0803-04-4DE21-LZ	#1, #2	TE0803-04-4DE81-L
TE0803-04-4DI21-L	#1	TE0803-04-4DI81-L
TE0803-04-4GE21-L	#1	TE0803-04-4GE81-L
TE0803-04-4GI21-A	#1	TE0803-04-4GI81-A
TE0803-04-5DI21-A	#1	TE0803-04-5DI81-A
TE0803-04-5DI24-A	#1	TE0803-04-5DI84-A

Changes

#1 Changed DDR4 SDRAM (U2, U3, U9, U12) from K4A8G165WB-BIRC to K4A8G165WC-BITDTCV.

Type: BOM change

Reason: BOM Optimization.

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](#).

#2 Changed DCDC (U11, U13, U15, U16, U19, U20, U23, U24, U29, U30, U31) from MUN3CAD03-SE to TPS82085SIL and adapted voltage divider resistors.

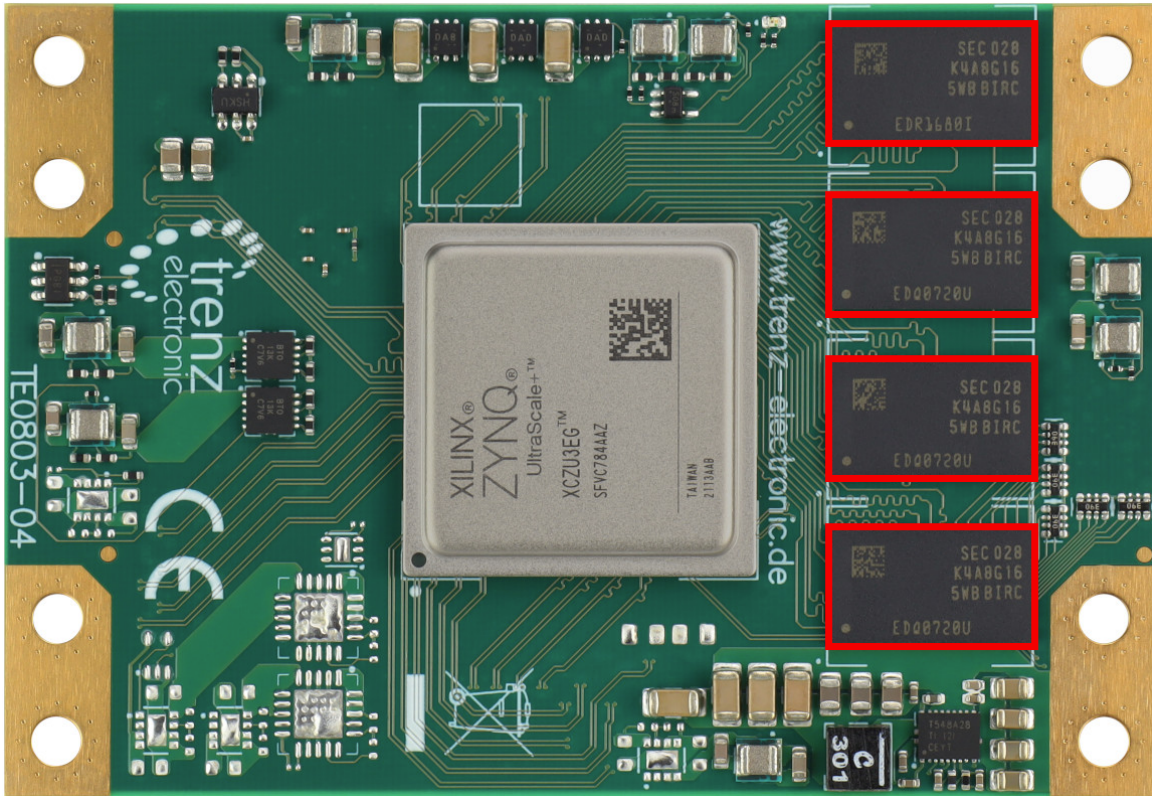
Type: BOM Change

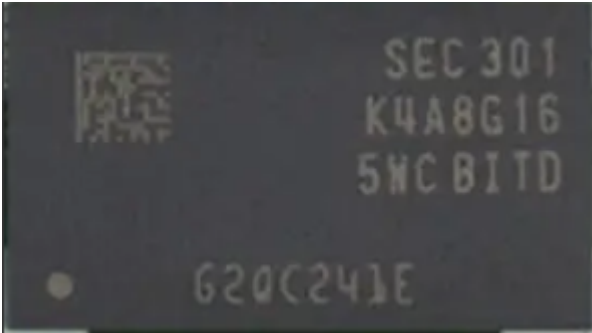
Reason: TPS82085SIL availability.

Impact: Minor changes in electrical characteristics.

Method of Identification

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



old	new
K4A8G165WB-BIRC	K4A8G165WC-BITDTCV
	

Production Shipment Schedule

This change takes place with immediate effect. If the new variants are not suitable for your application and still former variants of the board are 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-20251106)
- 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.