

Company	Trenz Electronic GmbH
PCN Number	PCN-20251015
Title	AM0010-02 DDR4 SDRAM Change
Subject	BOM Change
Issue Date	2025-10-20

Products Affected

This change affects all Trenz Electronic AM0010 SoMs: AM0010-02*.

Affected Product	Changes	Replacement
AM0010-02-2AE21MA	#1	AM0010-02-2AE51MA
AM0010-02-3BE21MA	#1	AM0010-02-3BE51MA
AM0010-02-3BI21MA	#1	AM0010-02-3BI51MA
AM0010-02-4AE21MA	#1	AM0010-02-4AE51MA
AM0010-02-4AE81MA	#2	AM0010-02-4AE51MA
AM0010-02-4BE21MA	#1	AM0010-02-4BE51MA
AM0010-02-4DE21MA	#1	AM0010-02-4DE51MA
AM0010-02-4DE81MA	#2	AM0010-02-4DE51MA
AM0010-02-5DE21MA	#1	AM0010-02-5DE51MA
AM0010-02-5DI21MA	#1	AM0010-02-5DI51MA
AM0010-02-5DI81MA	#2	AM0010-02-5DI51MA

Changes

#1 Changed DDR4 SDRAM (U2, U3, U4, U9, U12) from K4A8G165WB-BIRC to NT5AD512M16H4-JRI.

Type: BOM change

Reason: EOL of Component.

Impact: New DDR timings may be considered in designs. Timings used in Trenz reference design are due to following reasons still applicable without change: According to [ZynqMP DDR4 Memory Setup](#) an older revision (NT5AD512M16C4-JRI) of the new DDR4 chip (NT5AD512M16H4-JRI) is tested with this timings and manufacturer datasheets of older revision (NT5AD512M16C4-JRI) and actual revision DDR4 chip (NT5AD512M16H4-JRI) state identical timings.

#2 Changed DDR4 SDRAM (U2, U3, U4, U9, U12) from K4A8G165WC-BITDTCV to NT5AD512M16H4-JRI.

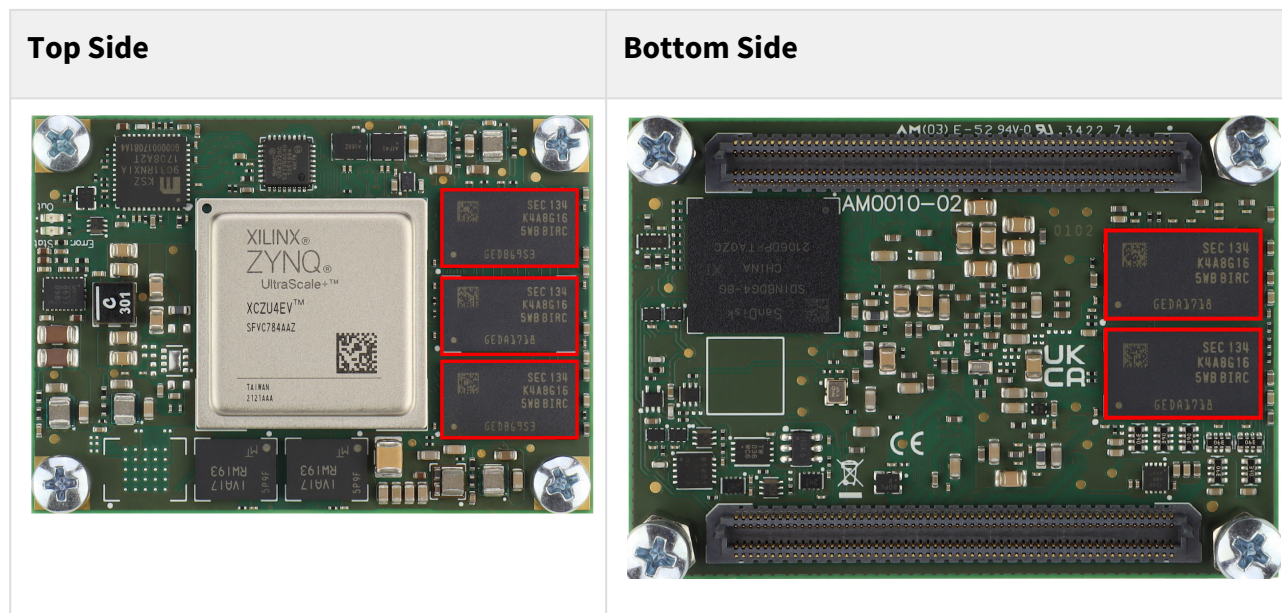
Type: BOM change

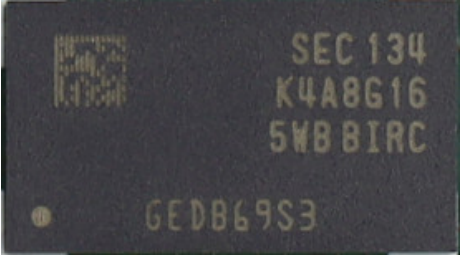
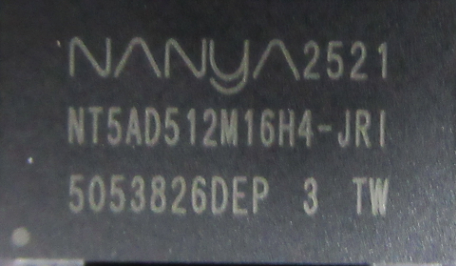
Reason: EOL of Component.

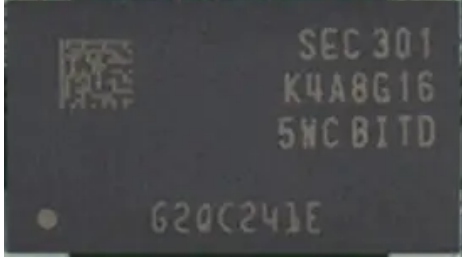
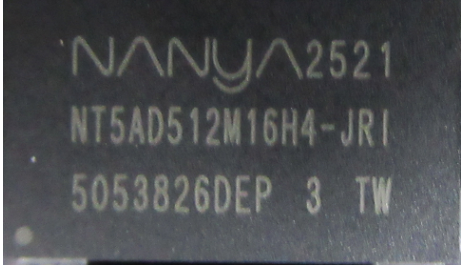
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Method of Identification

Locate DDR4 SDRAM (U2, U4, U12) on top side and DDR4 SDRAM (U3, U9) on bottom side of AM0010-02 PCB:



Change	old	new
#1	K4A8G165WB-BIRC 	NT5AD512M16H4-JRI 

Change	old	new
#2	K4A8G165WC-BITDTCV	NT5AD512M16H4-JRI
		

Production Shipment Schedule

From May 2026, after old stock is gone. 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-20251015)
- 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.