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|-------------------|-----------------------|
| <b>Company</b>    | Trenz Electronic GmbH |
| <b>PCN Number</b> | PCN-20251219          |
| <b>Title</b>      | TE0818-02 DDR4 Update |
| <b>Subject</b>    | BOM Change            |
| <b>Issue Date</b> | 2026-10-28            |

## Products Affected

This change affects all Trenz Electronic TE0818 SoMs: TE0818-02\*.

| Affected Product   | Replacement        |
|--------------------|--------------------|
| TE0818-02-6BE81-A  | TE0818-02-6BE61-A  |
| TE0818-02-6BE81-AK | TE0818-02-6BE61-AK |
| TE0818-02-9GI81-A  | TE0818-02-9GI61-A  |
| TE0818-02-9GI81-AK | TE0818-02-9GI61-AK |
| TE0818-02-9GI81-AS | TE0818-02-9GI61-AS |
| TE0818-02-9BE81-A  | TE0818-02-9BE61-A  |
| TE0818-02-9BE81-AK | TE0818-02-9BE61-AK |
| TE0818-02-9BE81-AS | TE0818-02-9BE61-AS |
| TE0818-02-BBE81-A  | TE0818-02-BBE61-A  |
| TE0818-02-BBE81-AK | TE0818-02-BBE61-AK |
| TE0818-02-BGI81-A  | TE0818-02-BGI61-A  |
| TE0818-02-BGI81-AK | TE0818-02-BGI61-AK |

## Changes

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

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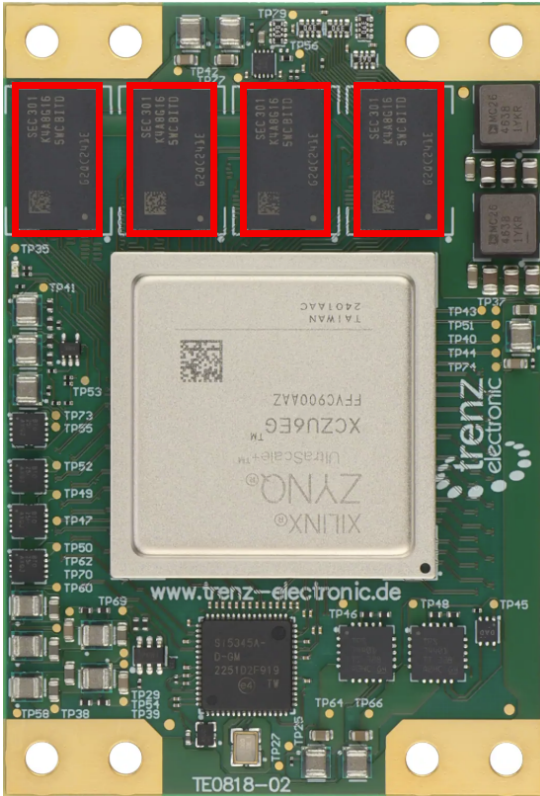
**Type:** BOM change

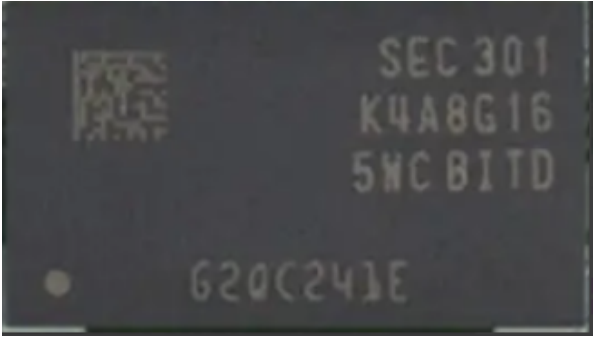
**Reason:** EOL of old DDR4.

**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](#).

## Method of Identification

Locate DDR4 SDRAM (U2, U3, U9, U12) on top side of TE0818-02 PCB:



| old                                                                                 | new                                                                                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| K4A8G165WC-BITDTCT                                                                  | IS43QR16512A-075VBLI                                                                 |
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## Production Shipment Schedule

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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

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If you have any questions related to this PCN, please contact Trenz Electronics Technical Support at

- [forum.trenz-electronic.de](https://forum.trenz-electronic.de)
- [wiki.trenz-electronic.de](https://wiki.trenz-electronic.de)
- [support@trenz-electronic.de](mailto:support@trenz-electronic.de) (subject = PCN-20251219)
- phone
  - national calls: 05741 3200-0
  - international calls: 0049 5741 3200-0

## Disclaimer

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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.