

<b>Company</b>	Trenz Electronic GmbH
<b>PCN Number</b>	PCN-20210125
<b>Title</b>	TE0729-02 DDR3, Flash, EMMC Change and Product Update
<b>Subject</b>	BOM change
<b>Issue Date</b>	2021-01-25

## 1 Products Affected

This change affects all Trenz Electronic TE0729 SoMs of revision 02: TE0729-02-\*

Affected Product	Changes	Replacement
TE0729-02-2IF	#1, #2, #3, #4, #5	TE0729-02-62I63FA
TE0729-02-2IRA	#1, #4, #5	TE0729-02-62I65FM
TE0729-02-2IF-K	#1, #2, #3, #4, #5	TE0729-02-62I63FAK
TE0729-02-02IF-S	#1, #2, #3, #4, #5	TE0729-02-62I63FAS

## 2 Changes

### 2.1 #1 Change DDR3 RAM (U1) 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.

### 2.2 #2 Replaced Flash (U13) 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.

## 2.3 #3 Change eMMC (U5) from MTFC4GACAJCN-4M IT to IS21ES08G-JCLI

**Type:** BOM change

**Reason:** Improve availability.

**Impact:** The eMMC capacity changed from 4 GByte to 8 GByte.

## 2.4 #4 Clock Revision Change (U10, U12, U14) SiT8008AI-... to SiT8008BI-...

**Type:** BOM change

**Reason:** Switch to actual revision. Revision A devices may be discontinued.

**Impact:** None.

## 2.5 #5 Set S/N to not fitted

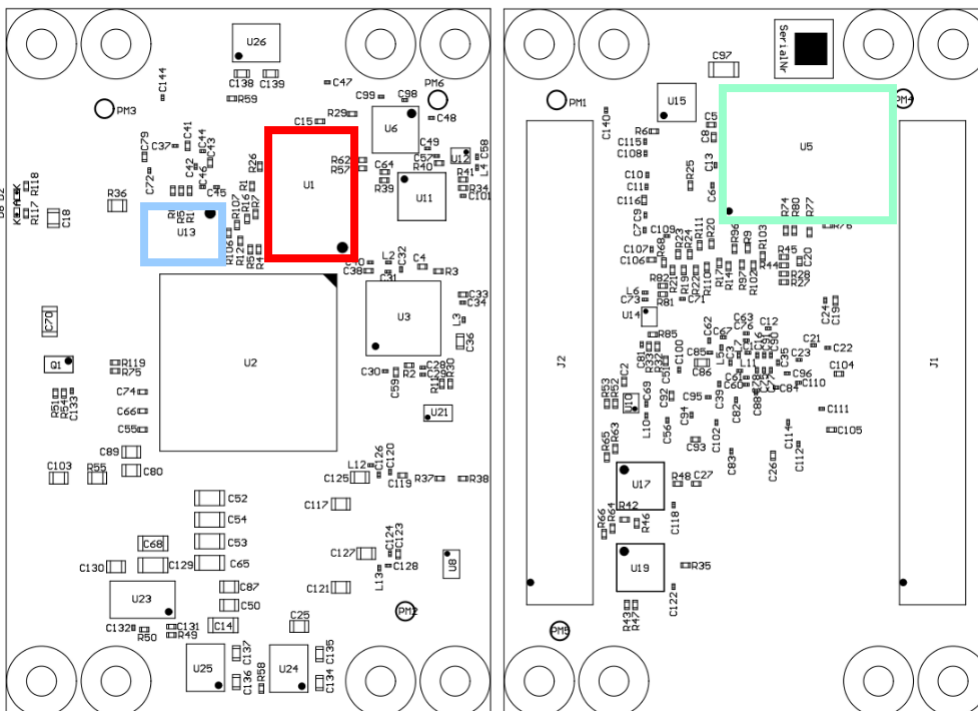
**Type:** BOM change

**Reason:** Part is end of life.

**Impact:** Track it pad no more available.

# 3 Method of Identification

Locate DDR3 RAM (U1) and Flash (U13) on top side and EMMC on bottom side of PCB:



old	new
<p>IM4G16D3FABG-125I</p>	<p>IS43TR16256BL-125KBLI</p>
 <p>IM IM4G16D3F ABG-125I TW KP9006 1927 1901X772104</p>	 <p>ISSI 2001 IS43TR16256BL -125KBLI K096 MLP758000Y1 TWN</p>
<p>S25FL256SAGBHI20</p>	<p>IS25LP512M-RHLE</p>
 <p>SPANSION FL256SAIH20 8128B122 A THAILAND ©10 SPANSION</p>	 <p>ISSI 1932 IS25LP512M -RHLE P1P641B9</p>
<p>MTFC4GACAJCN-4M IT</p>	<p>IS21ES08G-JCLI</p>
 <p>56IP 9XA17 JY001</p>	 <p>ISSI 1945 IS21ES08G -JCLI DP1231478Y1</p>

## 4 Production Shipment Schedule

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

## 5 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](http://forum.trenz-electronic.de)<sup>1</sup>
- [wiki.trenz-electronic.de](http://wiki.trenz-electronic.de)<sup>2</sup>
- [support@trenz-electronic.de](mailto:support@trenz-electronic.de)<sup>3</sup> (subject = PCN-20210125)
- phone
  - national calls: 05223 65301-0
  - international calls: 0049 5223 65301-0

## 6 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.

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<sup>1</sup> <http://forum.trenz-electronic.de/>

<sup>2</sup> <http://wiki.trenz-electronic.de/>

<sup>3</sup> <mailto:support@trenz-electronic.de?subject=PCN-20210125>