

Product Change Notification (PCN)

PCN #: 3B-2026

Date: March 11th, 2026

1 Products Affected

Ezurio Part Number	Description
8MM_SMARC_SOM_1r16e	SMARC SOM: i.MX8M Mini / 1GB / 16GB eMMC
8MM_SMARC_SOM_2r16e_IF573_3M	SMARC SOM: i.MX8M Mini / 2GB / 16GB eMMC / SONA IF573
8MM_SMARC_SOM_2r16e	SMARC SOM: i.MX8M Mini / 2GB / 16GB eMMC
8MM_SMARC_SOM_4r16e	SMARC SOM: i.MX8M Mini / 4GB / 16GB eMMC
8MP_SMARC_SOM_2r16eWB	SMARC SOM: i.MX8M Plus / 2GB / 16GB eMMC / WIFI / Bluetooth
8MP_SMARC_SOM_4r16eWB	SMARC SOM: i.MX8M Plus / 4GB / 16GB eMMC / WIFI / Bluetooth
8MP_SMARC_SOM_8r16eWB	SMARC SOM: i.MX8M Plus / 8GB / 16GB eMMC / WIFI / Bluetooth
N93_SMARC_SOM_2r16e	SMARC SOM: i.MX93 / 2GB / 16GB eMMC
N8MP_SOM_2r16eWB	SOM: i.MX8M Plus / 2GB / 16GB eMMC / WIFI / Bluetooth
N8MP_SOM_4r16e	SOM: i.MX8M Plus / 4GB / 16GB eMMC
N8MP_SOM_4r16eWB	SOM: i.MX8M Plus / 4GB / 16GB eMMC / WIFI / Bluetooth
N8ULP_SOM_2r16e	SOM: i.MXULP / 2GB / 16GB eMMC /
Nit6Q_SOMi_V2_2GB_16	SOM: i.MX6Q / 2GB / Industrial
NIT8MM_LITE_BRD	SBC: i.MX8M Mini / 2GB / 16GB eMMC / WIFI / Bluetooth
NIT8MQ_2r16eWB_BRD	SBC: i.MX8MQ / 2GB / 16GB eMMC / WIFI / Bluetooth
NIT8MQ_2r16eWB_NoAnt_BRD	SBC: i.MX8MQ / 2GB / 16GB eMMC / WIFI / Bluetooth / No Antenna
NIT8MQ_4r16eWB_BRD	SBC: i.MX8MQ / 4GB / 16GB eMMC / WIFI / Bluetooth
Nit8MQ_Mini_2r16e_BRD	SBC: i.MX8M Mini / 2GB / 16GB eMMC
Nit8MQ_Mini_2r16eWB_BRD	SBC: i.MX8M Mini / 2GB / 16GB eMMC / WIFI / Bluetooth
Nit8MQ_Mini_4r16e_BRD	SBC: i.MX8M Mini / 4GB / 16GB eMMC
Nit8MQ_Mini_4r16eWB_BRD	SBC: i.MX8M Mini / 4GB / 16GB eMMC / WIFI / Bluetooth
Nit8MQ_Mini_SOM_2r16e	SOM: i.MX8M Mini / 2GB / 16GB eMMC
Nit8MQ_Mini_SOM_4r16e	SOM: i.MX8M Mini / 4GB / 16GB eMMC /
Nit8MQ_SOM_2r16e	SOM: i.MX8MQ / 2GB / 16GB eMMC
Nit8MQ_SOM_4r16e	SOM: i.MX8MQ / 4GB / 16GB eMMC
T510_SMARC_SOM_4r16e_MT320_2M	SMARC SOM: MT8370 / 4GB / 16GB eMMC / Sona MT320
T510_SMARC_SOM_4r16e	SMARC SOM: MT8370 / 4GB / 16GB eMMC
T510_SMARC_SOM_8r16e_MT320_2M	SMARC SOM: MT8370 / 8GB / 16GB eMMC / Sona MT320
T510_SMARC_SOM_8r16e	SMARC SOM: MT8370 / 8GB / 16GB eMMC
T700_SMARC_SOM_4r16e_MT320_2M	SMARC SOM: MT8390 / 4GB / 16GB eMMC / Sona MT320
T700_SMARC_SOM_4r16e	SMARC SOM: MT8390 / 4GB / 16GB eMMC
T700_SMARC_SOM_8r16e_MT320_2M	SMARC SOM: MT8390 / 8GB / 16GB eMMC / Sona MT320
T700_SMARC_SOM_8r16e	SMARC SOM: MT8390 / 8GB / 16GB eMMC

2 Description of Changes

This PCN serves as notification that the eMMC devices EMMC16G-TB29-PZ90 and EMMC16G-MW28-01E10 are approved for interchangeable use in production.

Both devices are 16GB eMMC flash memory devices from the same product family and conform to the JEDEC eMMC 5.1 specification. Based on a review of the available technical specifications, the devices share the same key electrical, mechanical, and interface characteristics, including:

- **Memory density:** 128 Gbit (16 GB) NAND flash
- **Interface standard:** eMMC 5.1 with HS400 support
- **Package:** 153-ball FBGA (11.5 mm × 13 mm × ~0.8 mm)
- **Operating temperature range:** up to +85 °C
- **Maximum clock frequency:** up to ~200 MHz
- **Memory organization:** 16G × 8 architecture
- **Operating voltage:** 2.7 V – 3.6 V supply range

Because both devices share the same interface standard, package footprint, electrical characteristics, and memory density, they are form-fit-function compatible for the intended application.

3 Reason for Change

PCN 5D-2024 communicated the transition from EMMC16G-TB29-PZ90 to EMMC16G-MW28-01E10 due to an obsolescence notification EMMC16G-TB29-PZ90. However:

- Existing inventory of **EMMC16G-TB29-PZ90** remains available.
- There are currently **supply constraints** affecting the availability of **EMMC16G-MW28-01E10**

Allowing both devices to be used interchangeably ensures continued manufacturing continuity and reduced supply chain risk while maintaining the same functional and electrical performance

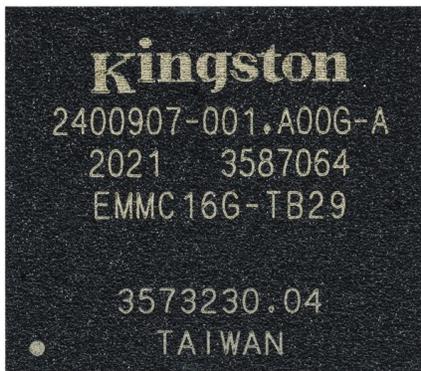
4 Anticipated Impact of the Change

No impact if your production image is not larger than **15,675,162,624 Bytes**. Otherwise, both the production image size and its partition table must be updated

5 Method of Identifying the Changed Product

5.1 eMMC Part

- **EMMC16G-TB29-PZ90**



- **EMMC16G-MW28-01E10**



6 Change Implementation

6.1 Factory Effectivity Date

Effective immediately, either EMMC16G-TB29-PZ90 or EMMC16G-MW28-01E10 may be used in production based on component availability.

6.2 Inventory Management

This will be a running change. It is expected inventory of EMMC16G-TB29-PZ90 will be depleted by end of 2026.

7 Contact Information

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