

Product Change Notification (PCN)

PCN #: 3E-2026

Date: March 12th, 2026

1 Products Affected

Ezurio Part Number	Description
8MM_SMARC_SOM_1r16e	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC
8MM_SMARC_SOM_1r16e_IF573_3M	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC / IF573
8MM_SMARC_SOM_1r16e_NX611_1M	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC / NX611
8MM_SMARC_SOM_2r16e	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC
8MM_SMARC_SOM_2r16e_IF573_3M	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC / IF573
8MM_SMARC_SOM_2r16e_NX611_1M	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC / NX611
8MM_SMARC_SOM_4r16e	SMARC SOM: i.MX8M MINI Quad / 4GB / 16GB eMMC
8MM_SMARC_SOM_4r16e_IF573_3M	SMARC SOM: i.MX8M MINI Quad / 4GB / 16GB eMMC / IF573
8MM_SMARC_SOM_4r16e_NX611_1M	SMARC SOM: i.MX8M MINI Quad / 4GB / 16GB eMMC / NX611
N8MP_SMARC_SOM_2r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC
N8MP_SMARC_SOM_2r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / IF573
N8MP_SMARC_SOM_2r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / NX611
N8MP_SMARC_SOM_2r16eWB	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / LWB5+
N8MP_SMARC_SOM_4r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC
N8MP_SMARC_SOM_4r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / IF573
N8MP_SMARC_SOM_4r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / NX611
N8MP_SMARC_SOM_4r16eWB	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / LWB5+
N8MP_SMARC_SOM_8r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC
N8MP_SMARC_SOM_8r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / IF573
N8MP_SMARC_SOM_8r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / NX611
N8MP_SMARC_SOM_8r16eWB	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / LWB5+
N93_SMARC_SOM_1r16e	Nitrogen93 SMARC SOM: i.MX 93 Dual / 1GB / 16GB eMMC / 0 to +70°C
N93_SMARC_SOM_1r16e_IF573_3M	Nitrogen93 SMARC SOM: i.MX 93 Dual / 1GB / 16GB eMMC / IF573 / 0 to +70°C
N93_SMARC_SOM_1r16e_NX611_1M	Nitrogen93 SMARC SOM: i.MX 93 Dual / 1GB / 16GB eMMC / NX611 / 0 to +70°C
N93_SMARC_SOM_2r16e	Nitrogen93 SMARC SOM: i.MX 93 Dual / 2GB / 16GB eMMC / 0 to +70°C
N93_SMARC_SOM_2r16e_IF573_3M	Nitrogen93 SMARC SOM: i.MX 93 Dual / 2GB / 16GB eMMC / IF573 / 0 to +70°C
N93_SMARC_SOM_2r16e_NX611_1M	Nitrogen93 SMARC SOM: i.MX 93 Dual / 2GB / 16GB eMMC / NX611 / 0 to +70°C
T510_SMARC_SOM_4r16e	Tungsten510 SMARC SOM: Genio 510 / 4GB / 16GB eMMC / 0 to +70°C
T510_SMARC_SOM_4r16e_MT320_2M	Tungsten510 SMARC SOM: Genio 510 / 4GB / 16GB eMMC / MT320 / 0 to +70°C
T510_SMARC_SOM_8r16e	Tungsten510 SMARC SOM: Genio 510 / 8GB / 16GB eMMC / 0 to +70°C
T510_SMARC_SOM_8r16e_MT320_2M	Tungsten510 SMARC SOM: Genio 510 / 8GB / 16GB eMMC / MT320 / 0 to +70°C
T700_SMARC_SOM_4r16e	Tungsten700 SMARC SOM: Genio 700 / 4GB / 16GB eMMC / 0 to +70°C

T700_SMARC_SOM_4r16e_MT320_2M	Tungsten700 SMARC SOM: Genio 700 / 4GB / 16GB eMMC / MT320 / 0 to +70°C
T700_SMARC_SOM_8r16e	Tungsten700 SMARC SOM: Genio 700 / 8GB / 16GB eMMC / 0 to +70°C
T700_SMARC_SOM_8r16e_MT320_2M	Tungsten700 SMARC SOM: Genio 700 / 8GB / 16GB eMMC / MT320 / 0 to +70°C

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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