Product Change Notification (PCN)

PCN #: 10G-2026 *Date: October 15th, 2026*

1 Products Affected

Ezurio Part Number	Description	Current REV	New REV
N8MP_SMARC_SOM_2r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC	2-1	2-2
N8MP_SMARC_SOM_2r16e_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / -40 to +85°C	2-1	2-2
N8MP_SMARC_SOM_4r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC	2-1	2-2
N8MP_SMARC_SOM_4r16e_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / -40 to +85°C	2-1	2-2
N8MP_SMARC_SOM_8r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC	2-1	2-2
N8MP_SMARC_SOM_8r16e_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / -40 to +85°C	2-1	2-2
N8MP_SMARC_SOM_2r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / NX611	2-1	2-2
N8MP_SMARC_SOM_2r16e_NX611_1M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / NX611 / -40 to +85°C	2-1	2-2
N8MP_SMARC_SOM_4r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / NX611	2-1	2-2
N8MP_SMARC_SOM_4r16e_NX611_1M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / NX611 / -40 to +85°C	2-1	2-2
N8MP_SMARC_SOM_8r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / NX611	2-1	2-2
N8MP_SMARC_SOM_8r16e_NX611_1M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / NX611 / -40 to +85°C	2-1	2-2
N8MP_SMARC_SOM_2r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / IF573	2-1	2-2
N8MP_SMARC_SOM_2r16e_IF573_3M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / IF573 / -40 to +85°C	2-1	2-2
N8MP_SMARC_SOM_4r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / IF573	2-1	2-2
N8MP_SMARC_SOM_4r16e_IF573_3M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / IF573 / -40 to +85°C	2-1	2-2
N8MP_SMARC_SOM_8r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / IF573	2-1	2-2
N8MP_SMARC_SOM_8r16e_IF573_3M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / IF573 / -40 to +85°C	2-1	2-2

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2 Description of Changes

Replace the existing BAT54C with a lower-forward-voltage Schottky diode. SDM40E20LC-7 provides lower forward-voltage drop compared with the existing BAT54C, improving the voltage available on the downstream NVCC_BBSM_1V8 rail.

3 Reason for Change

The board shows reset/startup reliability issues below -10°C. Investigation indicates that the voltage drop across the existing BAT54C diode reduces the effective NVCC_BBSM_1V8 voltage. This can reduce the high-level margin for PMIC_RST_B.

4 Anticipated Impact of the Change

There is no change to form, fit or function. Units built to the previous revision (BAT54C fitted, R41 unpopulated) and operated in industrial temperature applications may not start reliably at low temperatures. Units built to the new revision are not affected. Please see Recommended Customer Action below.

5 Recommended Customer Action

Ezurio is offering the following support for units built to the previous revision.

Customers: Customers operating industrial temperature variants at temperatures below -10°C are invited to request replacement of previous revision units from the sourcing party they purchased from. Ezurio will replace affected units at no charge through an RMA. To arrange this, please contact your Ezurio sales representative, your distributor, or Ezurio Customer Services (csglobal@ezurio.com) Customers who do not operate these units at low temperatures need not take any action.

Distributors: Distributors holding previous revision stock of the industrial temperature variants are requested to return it to Ezurio under an RMA as a precautionary measure. Ezurio will rework the units to the new revision and return them. Distributors are also encouraged to share this notice with customers who have purchased these variants.

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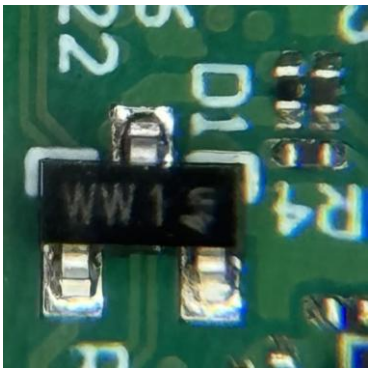
6 Method of Identifying the Changed Product

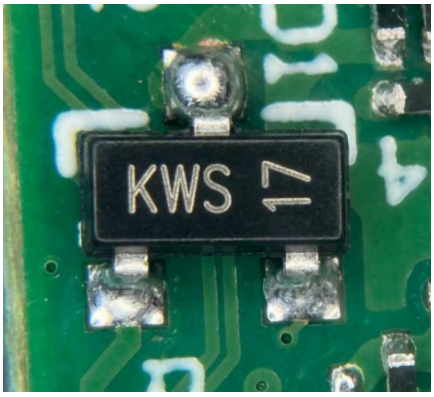
Industrial temperature variants are identified by the "_i " suffix on the Ezurio part number. The state of designator R41, shown below, identifies the revision.

6.1 Designator D1

- Old part: BAT54CLT1G (Text on the diode: WW1)



- New part: SDM40E20LC-7 (Text on the diode: KWS)



7 Factory Effectivity Date

These changes have been implemented immediately into production. Open sales orders have been updated to the new revision.

8 Contact Information

Headquarters	Ezurio AES Building, 388 S Main Street, Suite 330 Akron, OH 44311 USA
Website	www.ezurio.com
Sales / Support Contact	https://www.ezurio.com/contact

Product Change Notices (PCNs) will be distributed at the discretion Ezurio. Occasionally, Ezurio may adjust product revision levels for internal tracking purposes only, and customers may not receive formal notifications associated with those revision changes.

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