

Product Change Notification (PCN)

PCN #: 7A-2025

Date: July 7th, 2025

1 Products Affected

Ezurio Part Number	Description
8MM_SMARC_SOM_1r16e	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC
8MM_SMARC_SOM_2r16e	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC
8MM_SMARC_SOM_4r16e	SMARC SOM: i.MX8M MINI Quad / 4GB / 16GB eMMC
8MM_SMARC_SOM_1r16e_i	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC / -40° to +85°C
8MM_SMARC_SOM_2r16e_i	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC / -40° to +85°C
8MM_SMARC_SOM_4r16e_i	SMARC SOM: i.MX8M Mini / 4GB / 16GB eMMC / SONA NX611 / Industrial
8MM_SMARC_SOM_1r16e_NX611_1M	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC / NX611
8MM_SMARC_SOM_1r16e_NX611_1M_i	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC / NX611 / -40 to +85C
8MM_SMARC_SOM_2r16e_NX611_1M	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC / NX611
8MM_SMARC_SOM_2r16e_NX611_1M_i	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC / NX611 / -40 to +85C
8MM_SMARC_SOM_4r16e_NX611_1M	SMARC SOM: i.MX8M MINI Quad / 4GB / 16GB eMMC / NX611
8MM_SMARC_SOM_4r16e_NX611_1M_i	SMARC SOM: i.MX8M MINI Quad / 4GB / 16GB eMMC / NX611/ -40 to +85C
8MM_SMARC_SOM_1r16e_IF573_3M	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC / IF573
8MM_SMARC_SOM_1r16e_IF573_3M_i	SMARC SOM: i.MX8M MINI Quad / 1GB / 16GB eMMC / IF573 / -40° to +85°C
8MM_SMARC_SOM_2r16e_IF573_3M	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC / IF573
8MM_SMARC_SOM_2r16e_IF573_3M_i	SMARC SOM: i.MX8M MINI Quad / 2GB / 16GB eMMC / IF573 / -40° to +85°C
8MM_SMARC_SOM_4r16e_IF573_3M	SMARC SOM: i.MX8M MINI Quad / 4GB / 16GB eMMC / IF573
8MM_SMARC_SOM_4r16e_IF573_3M_i	SMARC SOM: i.MX8M MINI Quad / 4GB / 16GB eMMC / IF573 / -40° to +85°C

2 Description of Changes

The i.MX8M MINI SMARC SOM will be modified to add an on-board Real-Time Clock (RTC) IC pat # RV-3028-C7TAQC.

3 Reason for Change

Product improvement. For those customers that want to have an RTC directly on the SOM, this new design allows a low quiescent current drain RTC for extended coin cell battery life.

4 Anticipated Impact of the Change

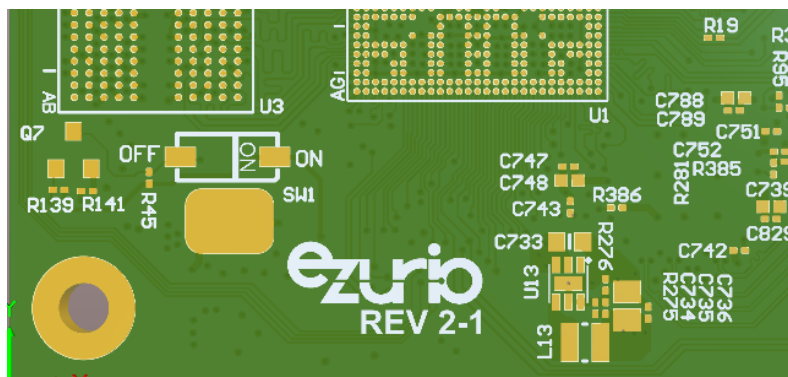
The only software change that will be required is for customers who want to utilize the on-board SOM RTC. Otherwise, for existing designs that do not need RTC, or have an RTC on the Carrier board, no software impact.

5 Method of Identifying the Changed Product

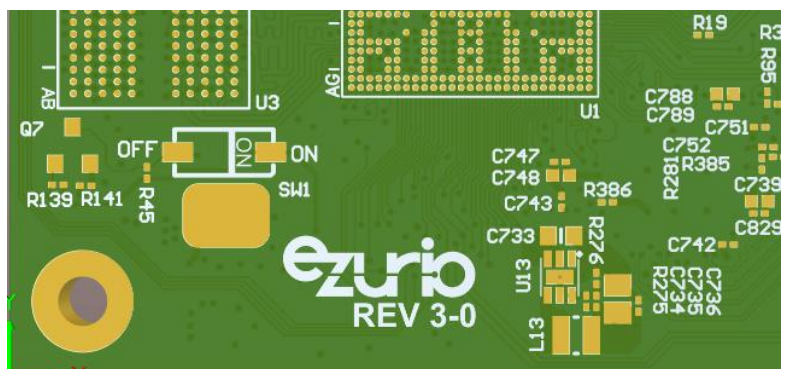
5.1 Revision

There will be a major revision change to each of the affected products.

Old Revision:



New Revision:



6 Factory Effectivity Date

These changes will be implemented into manufacturing starting in September 2025.

7 Contact Information

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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.