



Product Change Notification / SYST-03AMYY608

Date:

30-Apr-2024

Product Category:

8-Bit Microcontrollers

PCN Type:

Silicon Die Revision

Notification Subject:

AVR16EA28/32/48 Silicon Errata and Data Sheet Clarifications

Affected CPNs:

[SYST-03AMYY608_Affected_CPN_04302024.pdf](#)

[SYST-03AMYY608_Affected_CPN_04302024.csv](#)

Notification Text:

SYST-03AMYY608

Microchip has released a new Document for the AVR16EA28/32/48 Silicon Errata and Data Sheet Clarifications of devices. If you are using one of these devices please read the document located at [AVR16EA28/32/48 Silicon Errata and Data Sheet Clarifications](#).

Notification Status: Final

Description of Change:

Added Silicon Revision: A2

Added errata: • Device: 2.2.4. Limitation on Flash Boot Size and Flash Code Size Fuses • ADC: 2.3.1. Missing Codes When Using Internal Reference and CPU is Running

Added Data Sheet Clarifications: • SPI: – 3.1. SPI - Serial Peripheral Interface – 3.2. SPI - Serial Peripheral Interface • Electrical Characteristics: – 3.3. Electrical Characteristics - Supply Voltage – 3.4. Electrical Characteristics - Peripherals Power Consumption – 3.5. Electrical Characteristics - I/O Pins – 3.6. Electrical Characteristics - RSTCTRL and BOD – 3.7. Electrical Characteristics - SPI – 3.8. Electrical Characteristics - AC

Impacts to Data Sheet: None

Reason for Change: To improve productivity.

Change Implementation Status: Complete

Estimated First Ship Date: 01 May 2024

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Markings to Distinguish Revised from Unrevised Devices: Traceability Code

Revision History: January 30, 2024: Issued document PCN.

April 30, 2024: Re-issued PCN to update notification type from document change to silicon die revision and include estimated first ship date.

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our **PCN home page** select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the **PCN FAQ** section.

If you wish to change your PCN profile, including opt out, please go to the **PCN home page** select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.