



## Product Change Notification / SYST-03AMYY608

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### 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.

Affected Catalog Part Numbers (CPN)

AVR16EA32T-E/RXB  
AVR16EA32T-E/PT  
AVR16EA48-E/6LX  
AVR16EA48-E/PT  
AVR16EA48-I/6LX  
AVR16EA48-I/PT  
AVR16EA48T-I/6LX  
AVR16EA48T-I/PT  
AVR16EA48T-E/6LX  
AVR16EA48T-E/PT  
AVR16EA28-E/SP  
AVR16EA28-E/SS  
AVR16EA28-E/STX  
AVR16EA28-I/SP  
AVR16EA28-I/SS  
AVR16EA28-I/STX  
AVR16EA28T-I/SS  
AVR16EA28T-I/STX  
AVR16EA28T-E/SS  
AVR16EA28T-E/STX  
AVR16EA32-E/RXB  
AVR16EA32-E/PT  
AVR16EA32-I/RXB  
AVR16EA32-I/PT  
AVR16EA32T-I/RXB  
AVR16EA32T-I/PT