

# Product Change Notification - SYST-04GFYF111

---

**Date:**

10 Apr 2018

**Product Category:**

8-bit PIC Microcontrollers

**Affected CPNs:****Notification subject:**

Data Sheet - ATmega48A/88A/168A - Complete Datasheet

**Notification text:**

SYST-04GFYF111

---

Microchip has released a new DeviceDoc for the ATmega48A/88A/168A - Complete Datasheet of devices. If you are using one of these devices please read the document located at [ATmega48A/88A/168A - Complete Datasheet](#).

**Notification Status:** Final

**Description of Change:**

- 1) Change of document style
- 2) Microchip DS40002009A replaces Atmel-8271JS-AVR for 48A/88A/ 168A devices
- 3) Added bit numbering in registers where this was missing
- 4) System Clock and Clock Options : Added input to the clock multiplexer from the watchdog oscillator in Figure 13-1 , Added warning not to use watchdog oscillator (128 kHz internal oscillator) as both watchdog timer and system oscillator at the same time , Corrected capacitance in Table 13-8

**Impacts to Data Sheet:** None

**Reason for Change:** To Improve Manufacturability

**Change Implementation Status:** Complete

**Date Document Changes Effective:** 10 Apr 2018

**NOTE:** Please be advised that this is a change to the document only the product has not been changed.

**Markings to Distinguish Revised from Unrevised Devices:** N/A

---

**Attachment(s):**

[ATmega48A/88A/168A - Complete Datasheet](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

**Terms and Conditions:**

If you wish to change your product/process change notification (PCN) profile please log on to our website at [microchip.com/PCN](http://microchip.com/PCN) sign into myMICROCHIP to open the myMICROCHIP home page, then select a profile option from the left navigation bar.

To opt out of future offer or information emails (other than product change notification emails), click here to go to [microchip DIRECT](#) and login, then click on the "My account" link, click on "Update profile" and un-check the box that states "Future offers or information about Microchip's products or services."

Affected Catalog Part Numbers (CPN)

ATMEGA48A-AU  
ATMEGA48A-AUR  
ATMEGA48A-CCU  
ATMEGA48A-CCUR  
ATMEGA48A-MMH  
ATMEGA48A-MMHR  
ATMEGA48A-MU  
ATMEGA48A-MUR  
ATMEGA48A-PU  
ATMEGA88A-AU  
ATMEGA88A-AUR  
ATMEGA88A-CCU  
ATMEGA88A-CCUR  
ATMEGA88A-MMH  
ATMEGA88A-MMHR  
ATMEGA88A-MU  
ATMEGA88A-MUR  
ATMEGA88A-PU  
ATMEGA168A-AU  
ATMEGA168A-AUR  
ATMEGA168A-CCU  
ATMEGA168A-CCUR  
ATMEGA168A-MMH  
ATMEGA168A-MMHR  
ATMEGA168A-MU  
ATMEGA168A-MUR  
ATMEGA168A-PU