



## Product Change Notification - SYST-17VZDW352

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**Date:**

20 Jan 2020

**Product Category:**

8-bit Microcontrollers

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

ERRATA - ATmega164A/PA/324A/PA/644A/PA/1284/P Silicon Errata and Data Sheet Clarification

**Notification text:**

SYST-17VZDW352

Microchip has released a new Product Documents for the ATmega164A/PA/324A/PA/644A/PA/1284/P Silicon Errata and Data Sheet Clarification of devices. If you are using one of these devices please read the document located at

[ATmega164A/PA/324A/PA/644A/PA/1284/P Silicon Errata and Data Sheet Clarification](#).

**Notification Status:** Final

**Description of Change:** 1) Initial release of this document. 2) Content moved from the data sheet and restructured to the new document template. 3) Updated the die revision list to reflect die revisions in production.

**Impacts to Data Sheet:** None

**Reason for Change:** To Improve Productivity

**Change Implementation Status:** Complete

**Date Document Changes Effective:** 20 Jan 2020

**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):**

[ATmega164A/PA/324A/PA/644A/PA/1284/P Silicon Errata and Data Sheet Clarification](#)

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Affected Catalog Part Numbers (CPN)

ATMEGA1284-AU  
ATMEGA1284-AUR  
ATMEGA1284-MU  
ATMEGA1284-MUR  
ATMEGA1284-PU  
ATMEGA1284P-AU  
ATMEGA1284P-AUR  
ATMEGA1284P-MU  
ATMEGA1284P-MUR  
ATMEGA1284P-PU  
ATMEGA164A-AU  
ATMEGA164A-AUA2  
ATMEGA164A-AUR  
ATMEGA164A-AURA2  
ATMEGA164A-CU  
ATMEGA164A-CUR  
ATMEGA164A-MCH  
ATMEGA164A-MCHR  
ATMEGA164A-MU  
ATMEGA164A-MUR  
ATMEGA164A-PU  
ATMEGA164PA-AN  
ATMEGA164PA-ANR  
ATMEGA164PA-AU  
ATMEGA164PA-AUR  
ATMEGA164PA-CU  
ATMEGA164PA-CUR  
ATMEGA164PA-MCH  
ATMEGA164PA-MCHR  
ATMEGA164PA-MN  
ATMEGA164PA-MNR  
ATMEGA164PA-MU  
ATMEGA164PA-MUR  
ATMEGA164PA-PU  
ATMEGA324A-AU  
ATMEGA324A-AUR  
ATMEGA324A-AURA3  
ATMEGA324A-CU  
ATMEGA324A-MCH  
ATMEGA324A-MU  
ATMEGA324A-MUR  
ATMEGA324A-PU  
ATMEGA324PA-AN  
ATMEGA324PA-ANR  
ATMEGA324PA-AU  
ATMEGA324PA-AUA1

ATMEGA324PA-AUR  
ATMEGA324PA-CU  
ATMEGA324PA-MCH  
ATMEGA324PA-MCHR  
ATMEGA324PA-MN  
ATMEGA324PA-MNR  
ATMEGA324PA-MU  
ATMEGA324PA-MUR  
ATMEGA324PA-MURA2  
ATMEGA324PA-PN  
ATMEGA324PA-PU  
ATMEGA644A-AU  
ATMEGA644A-AUR  
ATMEGA644A-MU  
ATMEGA644A-MUR  
ATMEGA644A-PU  
ATMEGA644PA-AN  
ATMEGA644PA-ANR  
ATMEGA644PA-AU  
ATMEGA644PA-AUR  
ATMEGA644PA-MN  
ATMEGA644PA-MNR  
ATMEGA644PA-MU  
ATMEGA644PA-MUR  
ATMEGA644PA-PU



# ATmega164A/PA/324A/PA/ 644A/PA/1284/P

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## ATmega164A/PA/324A/PA/644A/PA/1284/P Silicon Errata and Data Sheet Clarification

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### Introduction

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The ATmega164A/PA/324A/PA/644A/PA/1284/P devices you have received conform functionally to the current device data sheet (<http://www.microchip.com/DS40002070>), except for the anomalies described in this document. The errata described in this document will likely be addressed in future revisions of the ATmega164A/PA/324A/PA/644A/PA/1284/P devices.

**Note:**

- This document summarizes all the silicon errata issues from all revisions of silicon, previous, as well as current.

## Table of Contents

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Introduction.....	1
1. Silicon Issue Summary.....	3
2. Silicon Errata Issues.....	4
2.1. None.....	4
3. Data Sheet Clarifications.....	5
3.1. None.....	5
4. Document Revision History.....	6
4.1. Revision History.....	6
The Microchip Website.....	7
Product Change Notification Service.....	7
Customer Support.....	7
Microchip Devices Code Protection Feature.....	7
Legal Notice.....	7
Trademarks.....	8
Quality Management System.....	8
Worldwide Sales and Service.....	9

### 1. Silicon Issue Summary

- Erratum is not applicable.
- X** Erratum is applicable.
- \* This silicon revision was never released to production.

Peripheral	Short Description	Valid for Silicon Revision									
		ATmega164A/PA		ATmega324A/PA			ATmega644A/PA		ATmega1284/P		
		Rev. A-D	Rev. E	Rev. A-E	Rev. F	Rev. G	Rev. A-E	Rev. F	Rev. A	Rev. B	
Device		*	-	*	-	-	*	-	*	-	

## 2. Silicon Errata Issues

### 2.1 None

There are no known errata as of this publication date.

### 3. Data Sheet Clarifications

The following typographic corrections and clarifications are to be noted for the latest version of the device data sheet (<http://www.microchip.com/DS40002070>).

**Note:** Corrections are shown in **bold**. Where possible, the original bold text formatting has been removed for clarity.

#### 3.1 None

There are no known data sheet clarifications as of this publication date.



## 4. Document Revision History

**Note:** The data sheet clarification document revision is independent of the die revision and the device variant (last letter of the ordering number).

### 4.1 Revision History

Doc Rev.	Date	Comments
A	01/2020	Initial release of this document. <ul style="list-style-type: none"><li>• Content moved from the data sheet and restructured to the new document template</li><li>• Updated the die revision list to reflect die revisions in production</li></ul>

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- Technical Support

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