



Product Change Notification / SYST-10HPYT885

Date:

13-Feb-2023

Product Category:

8-bit Microcontrollers

PCN Type:

Document Change

Notification Subject:

ERRATA - ATmega165A/PA/325A/PA/3250A/PA/645A/P/6450A/P Silicon Errata and Data Sheet Clarification

Affected CPNs:

[SYST-10HPYT885_Affected_CPN_02132023.pdf](#)

[SYST-10HPYT885_Affected_CPN_02132023.csv](#)

Notification Text:

SYST-10HPYT885

Microchip has released a new Errata for the ATmega165A/PA/325A/PA/3250A/PA/645A/P/6450A/P Silicon Errata and Data Sheet Clarification of devices. If you are using one of these devices please read the document located at

[ATmega165A/PA/325A/PA/3250A/PA/645A/P/6450A/P Silicon Errata and Data Sheet Clarification](#)

Notification Status: Final

Description of Change:

Initial document release.

- Content moved from the data sheet and restructured to the new document template
- Updated the die revision list to reflect die revisions in production

Silicon Errata added:

- Timer: 2.2.1. Interrupts May Be Lost When Writing the Timer Registers in the Asynchronous Timer

Data Sheet Clarifications added:

- Errata section in data sheet is no longer valid
- Boot Loader
 - 3.2.1. Boot Loader Parameters for ATmega165A/PA
 - 3.2.2. Boot Loader Parameters for ATmega325A/PA/3250A/PA

– 3.2.3. Boot Loader Parameters for ATmega645A/P/6450A/P

- Power Management and Sleep Modes:

3.3.1. Power Management and Sleep Modes

- Interrupt Vectors:

3.4.1. Interrupt Vectors in ATmega165A/PA/325A/PA/ 3250A/PA/645A/P/6450A/P

- Electrical Characteristics – TA = -40°C to 85°C:

– 3.5.1. Analog Input Offset Voltage (TA = -40°C to 85°C)

– 3.5.2. Power-Down Specification Limit (TA = -40°C to 85°C)

- Electrical Characteristics – TA = -40°C to 105°C:

– 3.6.1. Analog Input Offset Voltage (TA = -40°C to 105°C)

– 3.6.2. Power-Down Specification Limit (TA = -40°C to 105°C)

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 13 Feb 2023

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

Attachments:

[ATmega165A/PA/325A/PA/3250A/PA/645A/P/6450A/P Silicon Errata and Data Sheet Clarification](#)

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

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