



Product Change Notification / SYST-04SEBT739

Date:

06-Mar-2024

Product Category:

8-Bit Microcontrollers

PCN Type:

Document Change

Notification Subject:

ATtiny212/214/412/414/416 Silicon Errata and Data Sheet Clarifications

Affected CPNs:

[SYST-04SEBT739_Affected_CPN_03062024.pdf](#)

[SYST-04SEBT739_Affected_CPN_03062024.csv](#)

Notification Text:

SYST-04SEBT739

Microchip has released a new Document for the ATtiny212/214/412/414/416 Silicon Errata and Data Sheet Clarifications of devices. If you are using one of these devices please read the document located at [ATtiny212/214/412/414/416 Silicon Errata and Data Sheet Clarifications](#).

Notification Status: Final

Description of Change:

- Document:
 - Editorial updates
- Silicon Errata Issues updated:
 - TWI: 2.12.1. TIMEOUT Bit Field in the TWIn.MCTRLA Register is Corrupted
- Added new data sheet clarifications:
 - SPI:
 - 3.2.1. SPI Clock
 - Electrical Characteristics:

- 3.4.1. Power Consumption. The Power Consumption in Power-Down (Max 25°C) reduced from 2 μ A to 0.6 μ A.

- 3.4.3. SPI - Timing Characteristics

- 3.4.4. Programming Time

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 06 Mar 2024

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:

[ATtiny212/214/412/414/416 Silicon Errata and Data Sheet Clarifications](#)

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)

ATTINY212-SSF
ATTINY212-SSFR
ATTINY212-SSN
ATTINY212-SSNR
ATTINY214-SSF
ATTINY214-SSFR
ATTINY214-SSN
ATTINY214-SSNR
ATTINY412-SSF
ATTINY412-SSFR
ATTINY412-SSFRA0
ATTINY412-SSN
ATTINY412-SSNR
ATTINY414-SSF
ATTINY414-SSFR
ATTINY414-SSN
ATTINY414-SSNR
ATTINY416-MF
ATTINY416-MFR
ATTINY416-MN
ATTINY416-MNR
ATTINY416-MNRPE
ATTINY416-SF
ATTINY416-SFR
ATTINY416-SN
ATTINY416-SNR
ATTINY416-XNANO