



Product Change Notification - SYST-04FEGA974

Date:

05 Jul 2019

Product Category:

8-bit Microcontrollers

Affected CPNs:**Notification subject:**

Data Sheet - ATtiny416/816 Data Sheet

Notification text:

Notification Status: Final

Description of Change:

1. Document section: Editorial updates
2. Device section:
 - a. Introduction:
 - Added a note for automotive data sheets
 - Changed text to align with all tinyAVR®; 0- and 1-series data sheets
 - b. Retention endurance numbers updated
 - c. Data Sheet Clarification Document chapter added
 - d. Ordering Information moved
 - e. I/O Multiplexing and Considerations updated.
3. Configuration and User Fuses section: RSTPINCFG: Time-out after a system reset when fused to be GPIO explained.
4. BOD - Brown-out Detector section: Removed levels not characterized by minimum and maximum values and Added a note for typical values and reference to electrical characteristics.
5. TCA section: Added a note for alternative WOn pins
6. USART section: Clarified One-Wire mode, clarified text about Disabling the Transmitter and Reverted 32±6 to 16±3 baud samples in RXMODE bits in CTRLB
7. SPI section: Clarified functionality for SPI SS pin
8. CRCSCAN section: Removed unsupported BACKGROUND and CONTINUOUS scan functionality
9. ADC - Analog-to-Digital Converter section: Added missing calibration register
10. UPDI section: Added a warning for ESD protection and GPIO functionality disabled for a period after a system reset, changed from ms to clock cycles
11. Electrical Characteristics section: Added a note for Chip Erase in General Operating Ratings, Added Electrical Characteristics for PTC and Corrected the description for some symbols in the I/O Pin Characteristics table
12. Errata section: Errata moved to ATtiny416/816 Silicon Errata and Data Sheet Clarification Document
13. Ordering Information section: Updated with product page links and ordering codes
14. Product Identification System section: Updated with Tube and Tray packing media
15. Package Drawings section: Updated package drawings to Microchip standard

Impacts to Data Sheet: None

Reason for Change: To Improve Manufacturability

Change Implementation Status: Complete

Date Document Changes Effective: 5 Jul 2019

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):

[ATtiny416/816 Data Sheet](#)

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

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Affected Catalog Part Numbers (CPN)

ATTINY416-MFR
ATTINY416-MNR
ATTINY416-SF
ATTINY416-SFR
ATTINY416-SN
ATTINY416-SNR
ATTINY416-XNANO
ATTINY816-MF
ATTINY816-MFR
ATTINY816-MN
ATTINY816-MNR
ATTINY816-SF
ATTINY816-SFR
ATTINY816-SN
ATTINY816-SNR