

## Product Change Notification - SYST-04FEGA974

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**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