

Product Change Notification - SYST-040BUV515

Date:

05 Jul 2019

Product Category:

8-bit Microcontrollers

Affected CPNs:**Notification subject:**

Data Sheet - ATtiny1614 Data Sheet Document Revision

Notification text:

SYST-040BUV515

Microchip has released a new DeviceDoc for the ATtiny1614 Data Sheet of devices. If you are using one of these devices please read the document located at [ATtiny1614 Data Sheet](#).

Notification Status: Final**Description of Change:**

- 1) Document: Editorial updates.
- 2) Device:
 - (a) Introduction:
 - Added a note for automotive data sheets
 - Changed text to align with all tinyAVR(R) 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:
 - (a) CRCAPPDIS and CRCBOOTDIS replaced by CRCSRC
 - (b) Removed unsupported TOUTDIS bit
 - (c) RSTPINCFG: Time-out after a system reset when fused to be GPIO explained
- 4) PORTMUX:
 - (a) Updated with missing information
 - (b) Removed unsupported functionality
- 5) BOD - Brown-out Detector:
 - (a) Removed levels not characterized by minimum and maximum values
 - (b) Added a note for typical values and reference to electrical characteristics
- 6) VREF - Voltage Reference: Missing CTRLC and CTRLD registers added
- 7) TCA: Added a note for alternative WOn pins
- 8) USART:
 - (a) Clarified One-Wire mode
 - (b) Clarified text about Disabling the Transmitter
 - (c) Reverted 32+/-6 to 16+/-3 baud samples in RXMODE bits in CTRLB
- 9) SPI: Clarified functionality for SPI SS pin
- 10) CRCSCAN: Added a missing MODE bit field
- 11) CCL: Removed reference to interrupts
- 12) AC - Analog Comparator: Corrected the number of positive and negative inputs
- 13) UPDI: GPIO functionality disabled for a period after a system reset, changed from ms to clock cycles
- 14) Electrical Characteristics:
 - (a) Added a note for Chip Erase in General Operating Ratings
 - (b) Corrected the number of PTC channels
- 15) Errata: Errata moved to ATtiny1614 Silicon Errata and Data Sheet Clarification Document
- 16) Ordering Information: Updated with product page links and ordering codes
- 17) Product Identification System: Updated with Tube and Tray packing media



18) Package Drawings: 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: 05 July 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):

[ATtiny1614 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)

ATTINY1614-SSF

ATTINY1614-SSFR

ATTINY1614-SSN

ATTINY1614-SSNR