



## Product Change Notification - SYST-14XCKU814

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**Date:**

15 Jan 2019

**Product Category:**

32-bit Microcontrollers

**Affected CPNs:****Notification subject:**

Data Sheet - SAM C20/C21 Family Data Sheet Document Revision

**Notification text:**

SYST-14XCKU814

Microchip has released a new DeviceDoc for the SAM C20/C21 Family Data Sheet of devices. If you are using one of these devices please read the document located at [SAM C20/C21 Family Data Sheet](#).

**Notification Status:** Final

**Description of Change:** 1) Ordering Information: a) Added a note to clarify SAM C2xN availability in 105°C. b) Introduced AEC Q-100 Grade 1 qualified silicon revision F. c) Clarified availability of factory programmed Bootloader for WLCSP 2) PAC: a) Added missing CAN1 bit field to INTFLAGC register. b) Corrected a typographical error for PTC bit field in INTFLAGC & STATUSC register. c) Corrected a typographical error for RSTC bit field in STATUSA register. 3) OSC32KCTRL: a) RTCCTRL register was missing, and same has been added in this version. 4) I/O Multiplexing and Considerations: a) Corrected a typographical error for SERCOM4 and SERCOM5 in Table 6-2. 5) RTC: a) Register (EVCTRL, INTENCLR, INTENSET, INTFLAG, SYNCBUSY) summary typographical error was addressed. b) FREQCORR, DBGCTRL registers were missing in register summary, added in this version. 6) SUPC: a) Clarified the ENABLE bit in section 22.8.6 Voltage Regulator System (VREG) Control. b) Corrected typo for Reset value of the Voltage Regulator System (VREG) Control register in the section 22.8.6. 7) SERCOM-USART: a) Clarified Auto baud detection mode for LIN Slave in CTRLA register. 8) TCC. a) Corrected a typo in the Register summary - 32-bit mode for the PER & PERBUF registers has been removed. 9) ADC: a) Updated section 38.6.2.3 Operation. b) Updated section 38.6.5 Interrupts. 10) Electrical Characteristics at 85°C. a) Typographical errors in the Electrical specification chapter addressed - Table 45-32. Power Consumption. b) Clarified SPI maximum speed information in Table 45-56. c) ADC, SD ADC, and AC Electrical Characteristics for silicon revision F added. 11) Electrical Characteristics at 105°C. a) Updated AC Table 46-8. Power Consumption. 12) AEC-Q100 Grade 1, 125°C Electrical Characteristics. a) New chapter of electrical specifications for AEC Q-100 Grade qualified device. 13) Packaging. a) Top marking legend information added for all packages.

**Impacts to Data Sheet:** None

**Reason for Change:** To Improve Manufacturability

**Change Implementation Status:** Complete

**Date Document Changes Effective:** 15 Jan 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):**



## [SAM C20/C21 Family Data Sheet](#)

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Affected Catalog Part Numbers (CPN)

ATSAMC21G18A-MZ  
ATSAMC21G18A-MZT  
ATSAMC21J15A-ANT  
ATSAMC21J15A-AUT  
ATSAMC21J15A-AZ  
ATSAMC21J15A-AZT  
ATSAMC21J15A-MNT  
ATSAMC21J15A-MUT  
ATSAMC21J15A-MZ  
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ATSAMC21J16A-ANT  
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