Product Change Notification / SYST-04BUZG513

Date:

05-Oct-2021

Product Category:

Microprocessors

PCN Type:

Document Change

Notification Subject:

Data Sheet - SAM9X35 Data Sheet

Affected CPNs:

SYST-04BUZG513_Affected_CPN_10052021.pdf
SYST-04BUZG513_Affected_CPN_10052021.csv

Notification Text:

SYST-04BUZG513

Microchip has released a new Product Documents for the SAM9X35 Data Sheet of devices. If you are using one of these devices please read the document located at SAM9X35 Data Sheet.

Notification Status: Final

Description of Change:
– Template update: Moved from Atmel to Microchip template.
– The datasheet is assigned a new document number (DS60001730) and revision letter is reset to A.
--- Document number DS60001730 revision A corresponds to what would have been 11055 revision G.
– ISBN number assigned.

Section 10. "Boot Strategies"
Updated Table 10-4 "PIO Driven During Boot Program Execution".

Section 14. "Real-time Clock (RTC)"
Section 14.6.1 "RTC Control Register", Section 14.6.2 "RTC Mode Register", Section 14.6.5 "RTC Time Alarm Register",
Section 14.6.6 "RTC Calendar Alarm Register": removed sentence on write protection.

Section 29. "DDR SDR SDRAM Controller (DDRSDRC)"

Section 29.7.4 "DDRSDRC Timing Parameter 0 Register": updated TWTR description.

Section 46. "Electrical Characteristics"
Updated:
- Table 46-7 "Main Oscillator Characteristics", Figure 46-2 "Main Oscillator Schematics"
- Table 46-13 "XIN32 Clock Characteristics": XIN32 Clock min and max rise and fall times updated.
- Figure 46-19 "SSC Transmitter, TK and TF in Input", Figure 46-21 "SSC Receiver, RK in Input and RF in Output", Figure 46-22 "SSC Receiver, RK and RF in Output"

Section 50. "Errata"
Added
- "USART: No frame error detected when the expected last data bit sampled at 1".
- "PMC: Bit OSCSELS in PMC_SR does not work"

Impacts to Data Sheet: None

Reason for Change: To Improve Manufacturability

Change Implementation Status: Complete

Date Document Changes Effective: 5 Oct 2021

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:

SAM9X35 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)

AT91SAM9X35-CU
AT91SAM9X35-CU-999