MICROCHIP

Product Change Notification / SYST-06DDXO764

Date:

07-Sep-2021

Product Category:

Microprocessors

PCN Type:

Document Change

Notification Subject:

Data Sheet - SAM9X25 Data Sheet

Affected CPNs:

SYST-06DDXO764_Affected_CPN_09072021.pdf
SYST-06DDXO764_Affected_CPN_09072021.csv

Notification Text:

SYST-06DDXO764

Microchip has released a new Product Documents for the SAM9X25 Data Sheet of devices. If you are using one of these devices please read the document located at SAM9X25 Data Sheet.

Notification Status: Final

Description of Change: 1. Template update: Moved from Atmel to Microchip template.
2. The datasheet is assigned a new document number (DS60001729) and revision letter is reset to A.
3. Document number DS60001729 revision A corresponds to what would have been 11054 revision G.
4. ISBN number assigned.
5. Section 10. "Boot Strategies" Updated Table 10-4 "PIO Driven During Boot Program Execution".
6. 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.
7. Section 29. "DDR SDR SDRAM Controller (DDRSDRC)" Section 29.7.4 "DDRSDRC Timing Parameter 0 Register": updated TWTR description

8. Section 45. "Electrical Characteristics" Updated: - Table 45-7 "Main Oscillator Characteristics", Figure 45-2 "Main Oscillator Schematics" - Table 45-13 "XIN32 Clock Characteristics": XIN32 Clock min and max rise and fall times updated. - Figure 45-19 "SSC Transmitter, TK and TF in Input", Figure 45-21 "SSC Receiver, RK in Input and RF in Output", Figure 45-22 "SSC Receiver, RK and RF in Output"
9. Section 49. "Errata". Added - "USART: No frame error detected when last data bit sampled at 1". - "PMC: Bit OSCSELS in PMC_SR does not work"

Impacts to Data Sheet: See above details

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 07 September 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:

SAM9X25 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)

AT91SAM9X25-CU
AT91SAM9X25-CU-999