



## Product Change Notification / SYST-01DHDJ305

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### Date:

04-Oct-2021

### Product Category:

Microprocessors

### PCN Type:

Document Change

### Notification Subject:

Data Sheet - SAM9G25 Data Sheet

### Affected CPNs:

[SYST-01DHDJ305\\_Affected\\_CPN\\_10042021.pdf](#)  
[SYST-01DHDJ305\\_Affected\\_CPN\\_10042021.csv](#)

### Notification Text:

SYST-01DHDJ305

Microchip has released a new Product Documents for the SAM9G25 Data Sheet of devices. If you are using one of these devices please read the document located at [SAM9G25 Data Sheet](#).

**Notification Status:** Final

#### Description of Change:

- Template update: Moved from Atmel to Microchip Template.- The datasheet is assigned a new document number (DS60001731) and revision letter is reset to A.
- Document number DS60001731 revision A corresponds to what would have been 11032 revision H.
- ISBN number assigned.
  
- Section 10. "Boot Strategies"
- Updated Table 10-4 "PIO Driven During Boot Program Execution"
  
- Section 14. "Real-time Clock (RTC)"

- Updated 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 (DDRSDC)"
- Section 29.7.4 "DDRCDC Timing Parameter 0 Register": updated TWTR field description
  
- Section 43. "Image Sensor Interface (ISI)"
- Section 43.4.2 "Power Management": added note
  
- Section 45. "Electrical Characteristics"
- Updated:
  - Table 45-7 "Main Oscillator Characteristics", Figure 45-2 "Main Oscillator Schematics"
  - Table 45-13 "XIN32 Clock Characteristics"
  - Table 45-44 "ISI Timings with Peripheral Supply 3.3V", Table 45-45 "ISI Timings with Peripheral Supply 1.8V"
  - 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"
  
- Section 48. "Ordering Information"
- Updated Table 48-1 "SAM9G25 Ordering Information"
  
- Section 49. "Errata"
- Added:
  - Section 49.8 "Universal Synchronous Asynchronous Receiver Transmitter (USART)"
  - Section 49.9 "Power Management Controller (PMC)"

**Impacts to Data Sheet:** None

**Reason for Change:** To Improve Manufacturability

**Change Implementation Status:** Complete

**Date Document Changes Effective:** 4 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:**

[SAM9G25 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)

AT91SAM9G10-CU  
AT91SAM9G10-CU-999  
AT91SAM9G10-EK2  
AT91SAM9G15-CU  
AT91SAM9G15-CU-999  
AT91SAM9G20B-CFU  
AT91SAM9G20B-CU  
AT91SAM9G20B-CU-101  
AT91SAM9G20B-CU-103  
AT91SAM9G20B-CU-999  
AT91SAM9G20B-W  
AT91SAM9G25-BFU  
AT91SAM9G25-BFU-999  
AT91SAM9G25-CFU  
AT91SAM9G25-CFU-999  
AT91SAM9G25-CU  
AT91SAM9G25-CU-999  
AT91SAM9G35-CU  
AT91SAM9G35-CU-999  
AT91SAM9G35-EK  
AT91SAM9G45B-CU  
AT91SAM9G45C-CU  
AT91SAM9G45C-CU-999  
AT91SAM9G46B-CU  
AT91SAM9G46B-CU-101