


Product Change Notification - SYST-26BVVD932

Date: 17 Nov 2017
Product Category: Microprocessors
Affected CPNs: 
Notification subject: Data Sheet - SAMA5D4 Series Datasheet
Notification text: SYST-26BVVD932

Microchip has released a new DeviceDoc for the SAMA5D4 Series Datasheet of devices. If you are using one of these devices please read the document located at [SAMA5D4 Series Datasheet](#).

Notification Status: Final

Description of Change:

- Updated the following sections:
- Section 3. "Package and Pinout"
 - Section 3-1 "TFBGA361 Pin Description": added note (1)
- Section 4. "Power Considerations"
 - Table 4-1 Power Supplies: updated VDDBU minimum value from 1.88V to 1.8V
- Section 12. "Standard Boot Strategies"
 - Table 12-3 "PIO Driven during Boot Program Execution", SAM-BA Monitor row: corrected pin names
 - Table 12-7 "Customer Fuse Matrix": added note (1)
- Section 16. "Special Function Registers (SFR)"
 - Removed Analog Configuration Register and modified Table 16-1 "Register Mapping" accordingly
- Added Section 23. "System Controller Write Protection (SYSCWP)"
- Section 32. "LCD Controller (LCDC)"
 - Restored Overlay 2 Layer content.
- Section 40. "Two-wire Interface (TWI)"
 - Updated Table 40-7 "Register Mapping" at offset 0x44 and added Section 40.8.12 "TWI Filter Register"
- Section 46. "Timer Counter (TC)"
 - Removed:
 - Item "Read of the Capture registers by the DMAC" from the list of "Embedded Characteristics"
 - Figure 45-6 "Example of Transfer with DMAC in Capture Mode"
 - Section 45.7.5 "TC Register AB"
- Section 56. "Electrical Characteristics"
 - Table 56-54 "Two-wire Serial Bus Requirements": corrected formulas in notes (3) and (4)
- Section 58. "Schematic Checklist"
 - Table 58-1 "Power Supply Connections": updated VDDBU range from "1.88V to 2.12V" to "1.8V to 2.6V"
- Updated Section 59. "Marking"
- Section 60. "Ordering Information"
 - Table 60-1 "Ordering Information": added MRL B parts
- Section 61. "Errata"
 - Added:
 - Section 61.1 "Errata - SAMA5D4 MRL B Parts"
 - Section 61.2.11 "Ethernet MAC (GMAC)"

Impacts to Data Sheet: None

Reason for Change: Conversion of Atmel datasheet to Microchip datasheet conventions.

Change Implementation Status: Complete

Date Document Changes Effective: 17 Nov 2017

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): [SAMA5D4 Series Datasheet](#)

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Affected Catalog Part Numbers (CPN)

ATSAMA5D44B-CUR
ATSAMA5D44B-CU
ATSAMA5D44A-CUR
ATSAMA5D44A-CU
ATSAMA5D43B-CUR
ATSAMA5D43B-CU
ATSAMA5D43A-CUR
ATSAMA5D43A-CU
ATSAMA5D42B-CUR
ATSAMA5D42B-CU
ATSAMA5D42A-CUR
ATSAMA5D42A-CU
ATSAMA5D41B-CUR
ATSAMA5D41B-CU
ATSAMA5D41A-CUR-100
ATSAMA5D41A-CUR
ATSAMA5D41A-CU-100
ATSAMA5D41A-CU