

Product Change Notification - SYST-10IQKD570

Date:

11 Oct 2018

Product Category:

Microprocessors; SoM

Affected CPNs:**Notification subject:**

Data Sheet - SAMA5D2 Series Datasheet

Notification text:

SYST-10IQKD570

Microchip has released a new DeviceDoc for the SAMA5D2 Series Datasheet of devices. If you are using one of these devices please read the document located at [SAMA5D2 Series Datasheet](#).

Notification Status: Final

Description of Change:

- 1) Global format change
- 2) Updated Memory Mapping
- 3) Updated Debug and Test Features
- 4) Updated Standard Boot Strategies
- 5) Updated Matrix (H64MX/H32MX)
- 6) Updated Special Function Registers (SFR)
- 7) Updated Advanced Interrupt Controller (AIC)
- 8) Updated Shutdown Controller (SHDWC)
- 9) Updated Periodic Interval Timer (PIT)
- 10) Updated Real-time Clock (RTC)
- 11) Updated System Controller Write Protection
- 12) Updated Slow Clock Controller (SCKC)
- 13) Updated Power Management Controller (PMC)
- 14) Updated Parallel Input/Output Controller (PIO)
- 15) Updated External Memories
- 16) Updated AHB Multiport DDR-SDRAM Controller (MPDDRC)
- 17) Updated DMA Controller (XDMAC)
- 18) Updated Ethernet MAC (GMAC)
- 19) Updated USB High Speed Device Port (UDPHS)
- 20) Updated USB Host High Speed Port (UHPHS)
- 21) Updated Two-wire Interface (TWIHS)
- 22) Updated Flexible Serial Communication Controller (FLEXCOM)
- 23) Updated Universal Asynchronous Receiver Transmitter (UART)
- 24) Updated Quad Serial Peripheral Interface (QSPI)
- 25) Updated Secure Digital MultiMedia Card Controller (SDMMC)
- 26) Updated Image Sensor Controller (ISC)
- 27) Updated Controller Area Network (MCAN)
- 28) Updated Pulse Width Modulation Controller (PWM)
- 29) Updated Secure Fuse Controller (SFC)
- 30) Updated Integrity Check Monitor (ICM)
- 31) Updated Advanced Encryption Standard (AES)



- 32) Updated Triple Data Encryption Standard (TDES)
- 33) Updated Analog-to-Digital Controller (ADC)
- 34) Updated Electrical Characteristics
- 25) Updated Schematic Checklist
- 36) Removed from data sheet to create separate document, SAMA5D2 Family Silicon Errata and Data Sheet clarification, document number DS80000803.

Impacts to Data Sheet: None

Reason for Change: To Improve Manufacturability

Change Implementation Status: Complete

Date Document Changes Effective: 11 Oct 2018

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):

[SAMA5D2 Series Datasheet](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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Affected Catalog Part Numbers (CPN)

ATSAMA5D21B-CU
ATSAMA5D21B-CUR
ATSAMA5D21C-CU
ATSAMA5D21C-CUR
ATSAMA5D225C-D1M-CU
ATSAMA5D225C-D1M-CUR
ATSAMA5D22A-CU
ATSAMA5D22A-CUR
ATSAMA5D22B-CN
ATSAMA5D22B-CNR
ATSAMA5D22B-CU
ATSAMA5D22B-CUR
ATSAMA5D22C-CN
ATSAMA5D22C-CNR
ATSAMA5D22C-CU
ATSAMA5D22C-CUR
ATSAMA5D23B-CN
ATSAMA5D23B-CNR
ATSAMA5D23B-CU
ATSAMA5D23B-CUR
ATSAMA5D23C-CN
ATSAMA5D23C-CNR
ATSAMA5D23C-CU
ATSAMA5D23C-CUR
ATSAMA5D24A-CU
ATSAMA5D24A-CUR
ATSAMA5D24B-CU
ATSAMA5D24B-CUR
ATSAMA5D24C-CU
ATSAMA5D24C-CUF01
ATSAMA5D24C-CUR
ATSAMA5D24C-CURF01
ATSAMA5D26B-CN
ATSAMA5D26B-CNR
ATSAMA5D26B-CU
ATSAMA5D26B-CUR
ATSAMA5D26C-CN
ATSAMA5D26C-CNR
ATSAMA5D26C-CU
ATSAMA5D26C-CUR
ATSAMA5D27-SOM1
ATSAMA5D27A-CU
ATSAMA5D27A-CUR
ATSAMA5D27B-CN
ATSAMA5D27B-CNR
ATSAMA5D27B-CU

ATSAMA5D27B-CUR
ATSAMA5D27C-CN
ATSAMA5D27C-CNR
ATSAMA5D27C-CNRVAO
ATSAMA5D27C-CNVAO
ATSAMA5D27C-CU
ATSAMA5D27C-CUR
ATSAMA5D27C-D1G-CU
ATSAMA5D27C-D1G-CUR
ATSAMA5D27C-D5M-CU
ATSAMA5D27C-D5M-CUR
ATSAMA5D28A-CU
ATSAMA5D28B-CN
ATSAMA5D28B-CNR
ATSAMA5D28B-CU
ATSAMA5D28B-CUR
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ATSAMA5D28C-CNR
ATSAMA5D28C-CU
ATSAMA5D28C-CUR
ATSAMA5D28C-D1G-CU
ATSAMA5D28C-D1G-CUR