

Product Change Notification - SYST-10IQKD570 [\(Convert To PDF\)](#)

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 (TDDES)
- 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

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