



Product Change Notification: SYST-12DYTM105

Date:

19-Feb-2025

Product Category:

32-Bit Microprocessors

Notification Subject:

Data Sheet - SAMA7D6 Series Data Sheet

Affected CPNs:

SYST-12DYTM105_Affected_CPN_02192025.pdf

SYST-12DYTM105_Affected_CPN_02192025.csv

Notification Text:

SYST-12DYTM105

Microchip has released a new Datasheet for the SAMA7D6 Series Data Sheet of devices. If you are using one of these devices please read the document located at **SAMA7D6 Series Data Sheet**.

Notification Status: Final

Description of Change:

Product Identification - System
General update

Static Memory Controller - (SMC)
HSMC_SIGMA0: changed field name from SIGMA0 to SIGMA

Chip Identifier (CHIPID)
Embedded Characteristics: updated CHIPID_EXID value in Table 36.1

TrustZone Peripheral Manager (TZPM)
TZPM_KEY: updated TZPMKEY description

Secure Digital MultiMedia Card Controller (SDMMC)
Added sections SDR104 / HS200 Tuning, I/O Calibration, e.MMC HS400, Timing Mode Selection,
SDMMC_ACR, SDMMC_DEBR, SDMMC_CALCR: corrected reset value

USB Device High Speed Port (UDPHS)
Updated Transfer Without DMA

Electrical Characteristics
Updated Table 85.48, Figure 85.18, Figure 85.50, Table 85.75

Impacts to Data Sheet: See above details.

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 19 Feb 2025

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:

SAMA7D6 Series Data Sheet

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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