



Product Change Notification: SYST-25CPUC684

Date:

28-Mar-2025

Product Category:

32-Bit Microcontrollers

Notification Subject:

Data Sheet - SAM D21/DA1 Family Data Sheet

Affected CPNs:

[SYST-25CPUC684_Affected_CPN_03282025.pdf](#)

[SYST-25CPUC684_Affected_CPN_03282025.csv](#)

Notification Text:**SYST-25CPUC684**

Microchip has released a new Datasheet for the SAM D21/DA1 Family Data Sheet of devices. If you are using one of these devices please read the document located at [SAM D21/DA1 Family Data Sheet](#).

Notification Status: Final

Description of Change:

Section

Description

Ordering Information

- Updated the Diagram to reflect the addition of OTP.

SYSCTRL

- Added a note to the BOD33RDY bitfield in the PCLKSR Register.
- Removed obsolete content from the ONDEMAND bitfield in the DFLLCTRL Register.

USB

- Corrected verbiage in the Register description for the EPINTENSETn Register.

Electrical Characteristics at 85°C

- Updated the Min and Typ Characteristics for table 37-52 in DFLL48M Characteristics.

Electrical Characteristics at 105°C

- Updated the Min and Typ Characteristics for table 38-25 in DFLL48M Characteristics.

Electrical Characteristics at 125°C

- Updated the Min and Typ Characteristics for table 39-37 and 39-38 in DFLL48M Characteristics.
- Updated the Min and Max Characteristics for table 39-42 in OSC32K Characteristics.

AEC-Q100 125°C Specifications

- Updated the Min, Typ, and Max Characteristics for table 40-49 in DFLL48M Characteristics.

Schematic Checklist

- Updated Table 45-5 with a new MHz rating in Crystal Oscillator.

Impacts to Data Sheet: See above details.

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 28 Mar 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:

[SAM D21/DA1 Family Data Sheet](#)

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

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