



Product Change Notification / SYST-04UGPM123

Date:

05-Oct-2021

Product Category:

Power Line Communications, Smart Energy SOC

PCN Type:

Document Change

Notification Subject:

Data Sheet - SAM4C Series

Affected CPNs:

[SYST-04UGPM123_Affected_CPN_10052021.pdf](#)
[SYST-04UGPM123_Affected_CPN_10052021.csv](#)

Notification Text:

SYST-04UGPM123

Microchip has released a new Product Documents for the SAM4C Series of devices. If you are using one of these devices please read the document located at [SAM4C Series](#).

Notification Status: Final

Description of Change:

- Template update: Moved from Atmel to Microchip template.
- The data sheet is assigned a new document number (DS60001717) and revision letter is reset to A.
- Document number DS60001717 revision A corresponds to what would have been 11102 revision H.
- ISBN number assigned.

TQFP package information added in:

- "Features"
- Table 1-1 "Configuration Summary"
- Table 4-1 "SAM4C32C/16C/8C/4C 100-lead LQFP/TQFP Pinout"
- Section 46. "Electrical Characteristics"
- Section 47. "Mechanical Characteristics"
- Section 49. "Ordering Information"

Section 21. "General Purpose Backup Registers (GPBR)"
Updated Section 21.1 "Description".

Section 22. "Enhanced Embedded Flash Controller (EEFC)"
Added note to FRDY description in Section 22.5.3 "EEFC Flash Status Register".

Section 34. "Two-wire Interface (TWI)"
Updated Figure 34-27 "Master Performs a General Call".

Section 39. "Segment Liquid Crystal Display Controller (SLCDC)"
Modified Section 39.2 "Embedded Characteristics".
Section 39.6 "Functional Description": updated "Initialization Sequence:" and "During the Display Phase:"
Updated Section 39.6.10 "Segments Mapping Function" and Figure 39-13 "Segments Remapping Example".
Modified Section 39.7.2 "LCD Contrast".

Section 42. "Integrity Check Monitor (ICM)"
Section 42.5.2.2 "ICM Region Configuration Structure Member": bits at index [29:24] now reserved
Section 42.6.1 "ICM Configuration Register": bits at index [21:16] and [29:24] now reserved

Impacts to Data Sheet: None

Reason for Change: To Improve Manufacturability

Change Implementation Status: Complete

Date Document Changes Effective: 5 Oct 2021

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:

[SAM4C Series Data Sheet](#)

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

Terms and Conditions:

If you wish to [receive Microchip PCNs via email](#) please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to [change your PCN profile, including opt out](#), please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

ATSAM4C16CB-AU
ATSAM4C16CB-AUR
ATSAM4C32-EK
ATSAM4C32CA-AU
ATSAM4C32CA-AUR
ATSAM4C32CA-AUT
ATSAM4C32CA-AUTR
ATSAM4C32EA-AU
ATSAM4C32EA-AUR
ATSAM4C4CB-AU
ATSAM4C4CB-AUR
ATSAM4C8CB-AU
ATSAM4C8CB-AUR
ATSAM4CMP16CC-AU
ATSAM4CMP16CC-AUR
ATSAM4CMP32-DB
ATSAM4CMP32CB-AU
ATSAM4CMP32CB-AUR
ATSAM4CMP8CB-AU
ATSAM4CMP8CB-AUR
ATSAM4CMP8CC-AU
ATSAM4CMP8CC-AUR
ATSAM4CMS16CC-AU
ATSAM4CMS16CC-AUR
ATSAM4CMS32-DB
ATSAM4CMS32CB-AU
ATSAM4CMS32CB-AUR
ATSAM4CMS4CC-AU
ATSAM4CMS4CC-AUR
ATSAM4CMS8CB-AU
ATSAM4CMS8CB-AUR
ATSAM4CMS8CC-AU
ATSAM4CMS8CC-AUR
ATSAM4CP16B-AHU-Y
ATSAM4CP16C-AHU-Y