



Product Change Notification - SYST-21LRXG603

Date:

22 Oct 2019

Product Category:

Microprocessors

Affected CPNs:



Notification subject:

ERRATA - SAM9X60 SIP Device Silicon Errata and Datasheet Clarification

Notification text: SYST-
21LRXG603

Microchip has released a new Product Documents for the SAM9X60 SIP Device Silicon Errata and Datasheet Clarification of devices. If you are using one of these devices please read the document located at [SAM9X60 SIP Device Silicon Errata and Datasheet Clarification](#).

Notification Status: Final

Description of Change: Initial Release

Impacts to Data Sheet: None

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 22 Oct 2019

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):

[SAM9X60 SIP Device Silicon Errata and Datasheet Clarification](#)

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SAM9X60 SIP Device

SAM9X60 SIP Errata

SAM9X60 SIP Device

The SAM9X60 SIP device that you have received conforms functionally to the current Device Data Sheet (DS60001580), except for the anomalies described in this document.

The silicon issues discussed in the following pages are for silicon revisions with the Device and Revision IDs listed in the following table. The silicon issues are summarized in [1. Silicon Issue Summary](#).

Note: This document summarizes all silicon errata issues from all revisions of silicon, previous as well as current.

Data Sheet clarifications and corrections (if applicable) are located in [3. Data Sheet Clarifications](#), following the discussion of silicon issues.

The Device and Revision ID values for the SAM9X60 SIP silicon device are shown in the following table.

Table 1. SAM9X60 SIP Silicon Device Identification

Part Number	Device Identification	
	CHIPID_CIDR[31:0]	CHIPID_EXID[31:0]
SAM9X60D5M	0x819B35A1	0x00000001
SAM9X60D1G		0x00000010
SAM9X60D6K		0x00000011

Note: Refer to the "Chip Identifier" and "Product Identification System" sections in the current device data sheet (DS60001580) for detailed information on chip identification and version for your specific device.

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1. Silicon Issue Summary



Important: The following issues come in addition to the issues listed in the SAM9X60 device errata (DS80000846).

Table 1-1. Silicon Issue Summary

Module	Item/Feature	Summary	Affected Silicon Revisions		
			A		
Package Marking	2.1 Wrong Package Marking for Selected 512 Mb DDR2-SDRAM SIP Parts	Some parts marked “SAM9X60D5M-V” instead of “SAM9X60D5M-I”	X		
	2.2 Wrong Package Marking for Selected 1 Gb DDR2-SDRAM SIP Parts	Some parts marked “SAM9X60D1G-V” instead of “SAM9X60D1G-I”	X		

2. Package Marking

2.1 Wrong Package Marking for Selected 512 Mb DDR2-SDRAM SIP Parts

Parts with the following date codes were wrongly marked SAM9X60D5M-V instead of SAM9X60D5M-I:
1932U2W, 1932U3R, 1932U43, 1937AEY

Work Around
None

Affected Silicon Revisions

A							
X							

2.2 Wrong Package Marking for Selected 1 Gb DDR2-SDRAM SIP Parts

Parts with the following date codes were wrongly marked SAM9X60D1G-V instead of SAM9X60D1G-I:
1932TT3, 1932VY9, 1932VYA, 1937AEJ

Work Around
None

Affected Silicon Revisions

A							
X							

3. Data Sheet Clarifications

No clarifications to report at this time.

4. Revision History

4.1 DS80000859A - 10/2019

First issue.

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ISBN: 978-1-5224-5157-0

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SYST-21LRXG603 - ERRATA - SAM9X60 SIP Device Silicon Errata and Datasheet Clarification

Affected Catalog Part Numbers(CPN)

SAM9X60D5M-I/4FB

SAM9X60D5MT-I/4FB

SAM9X60D1G-I/4FB

SAM9X60D1GT-I/4FB