



Product Change Notification: SYST-23ILCR599

Date:

06-Apr-2026

Product Category:

32-Bit Microcontrollers

Notification Subject:

Data Sheet - SAM D21/DA1 Family Data Sheet

Affected CPNs:

[SYST-23ILCR599_Affected_CPN_04062026.pdf](#)

[SYST-23ILCR599_Affected_CPN_04062026.csv](#)

Notification Text:

SYST-23ILCR599

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:

Configuration Summary

- Updated notes to reflect proper product designations

I/O Multiplexing and Considerations

- Updated notes to reflect proper product designations

SYSCTRL

- Clarified the clearing and setting of the PCLKSR register in Synchronization
- Clarified the values for the B33SRDY bit in the PCLKSR register

NVMCTRL

- Added a new line item to Procedure for Manual Page Writes (CTRLB.MANW=1) describing the Read-Memory-Barrier

SERCOM USART

- Added a new note to Sample Adjustment detailing full asynchronous mode

TC

- Added a note to Capture Operations
- Updated the following registers to display the correct register properties:

- CTRLA
- COUNT - 8-bit mode
- STATUS
- COUNT 32-bit mode

TCC

- Updated the diagram in Circular Buffer to display CICCEN0
- Removed obsolete content from Synchronization
- Updated the following registers to display the correct register properties:

- CTRLA
- STATUS
- COUNT
- CC
- PATTB
- WAVEB
- PERB

– CCB

USB

- Updated the following registers to properly define endpoints and remove obsolete information:

– CTRLB

– EPINTENSET_n

– BINTERVAL

– PSTATUS

– PINTENCLR

– PINTENSET

ADC

- Redefined Running Mode in Operation

AC

- Added a new note to Offset Compensation

Schematic Checklist

- Updated the table to define Pin connections in Cortex

Debug Connector (10-pin)

Impacts to Data Sheet: See above details.

Reason for Change: To Improve Productivity

Change Implementation Status: Complete

Date Document Changes Effective: 06 Apr 2026

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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Affected Catalog Part Numbers (CPN)

ATSAMD21G18A-AZ510
ATSAMD21J18A-W-NG
ATSAMD21J18A-CU
ATSAMD21J17A-CU
ATSAMD21J17A-CUA1
ATSAMD21J18A-CUA1
ATSAMD21J17A-MMU
ATSAMD21J18A-MMU
ATSAMD21J18A-MMU-SLL
ATSAMD21E18A-MU
ATSAMD21E18A-MUA1
ATSAMD21E17A-MUA1
ATSAMD21E17A-MU
ATSAMD21E18A-MUDBG
ATSAMD21E18A-MU-SLL
ATSAMD21E17A-MU-MB
ATSAMD21G18A-MU
ATSAMD21G17A-MU
ATSAMD21G17A-MUA1
ATSAMD21G18A-MUA1
ATSAMD21G18A-MU-SLL
ATSAMD21E17A-AU
ATSAMD21E18A-AU
ATSAMD21E17A-AUA1
ATSAMD21E18A-AUA1
ATSAMD21E18A-AU-SLL
ATSAMD21J17A-MU
ATSAMD21J18A-MU
ATSAMD21J18A-MUA1

ATSAMD21J17A-MUA1
ATSAMD21J18A-MU-SLL
ATSAMD21J18A-AU
ATSAMD21J17A-AU
ATSAMD21J17A-AUA1
ATSAMD21J18A-AUA1
ATSAMD21J18A-AU-SLL
ATSAMD21G18A-AU
ATSAMD21G17A-AU
ATSAMD21G17A-AUA1
ATSAMD21G18A-AUA1
ATSAMD21G18A-AU-SLL
ATSAMD21G18A-UNTN01
ATSAMD21J18A-CUT
ATSAMD21J17A-CUT
ATSAMD21J17A-CUTA1
ATSAMD21J18A-CUTA1
ATSAMD21G18A-UUT
ATSAMD21G17A-UUT
ATSAMD21J17A-MMUT
ATSAMD21J18A-MMUT
ATSAMD21E18A-MUT
ATSAMD21E18A-MUTA1
ATSAMD21E17A-MUTA1
ATSAMD21E17A-MUT
ATSAMD21E18A-MUTDBG
ATSAMD21E17A-MUT-MB
ATSAMD21G17A-MUT
ATSAMD21G18A-MUT
ATSAMD21G18A-MUTA0
ATSAMD21G17A-MUTA1
ATSAMD21G18A-MUTA1

ATSAMD21G17A-MUTA0

ATSAMD21G18A-MUTN01

ATSAMD21E17A-AUT

ATSAMD21E18A-AUT

ATSAMD21E17A-AUTA1

ATSAMD21E18A-AUTA1

ATSAMD21J17A-MUT

ATSAMD21J18A-MUT

ATSAMD21J18A-MUTA1

ATSAMD21J17A-MUTA1

ATSAMD21J18A-MUTN01

ATSAMD21J17A-AUT

ATSAMD21J18A-AUT

ATSAMD21J17A-AUTA1

ATSAMD21J18A-AUTA1

ATSAMD21J18A-AUTA0

ATSAMD21J18A-AUTN01

ATSAMD21G17A-AUT

ATSAMD21G18A-AUT

ATSAMD21G17A-AUTA1

ATSAMD21G18A-AUTA1

ATSAMD21G18A-AUTN01

ATSAMD21J18A-MMZT

ATSAMD21J18A-MMZTV05

ATSAMD21J18A-MMZTVAO

ATSAMD21J17A-MMFT

ATSAMD21J18A-MMFT

ATSAMD21E18A-MZT

ATSAMD21E17A-MZT

ATSAMD21E18A-MZTVAO

ATSAMD21E18A-MFT

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ATSAMD21E18A-AFT
ATSAMD21E18A-AZT
ATSAMD21E17A-AZT
ATSAMD21E18A-AZT510
ATSAMD21E18A-AZTVAO
ATSAMD21J17A-MFT
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ATSAMD21G18A-MZT
ATSAMD21G17A-MZT
ATSAMD21G18A-MZT510
ATSAMD21G18A-MZTV02
ATSAMD21G18A-MZTV07
ATSAMD21G18A-MZTV02-BW
ATSAMD21G18A-MZTVAO
ATSAMD21J18A-MZT
ATSAMD21J17A-MZT
ATSAMD21J18A-MZTV01
ATSAMD21J18A-MZTV03
ATSAMD21J18A-MZTVAO
ATSAMD21J18A-MZTV03-BW
ATSAMD21J17A-AFT
ATSAMD21J18A-AFT
ATSAMD21J17A-AZT
ATSAMD21J18A-AZT
ATSAMD21J18A-AZT510
ATSAMD21J18A-AZTV04
ATSAMD21J18A-AZTVAO
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ATSAMD21G17A-AZT

ATSAMD21G18A-AZT

ATSAMD21G18A-AZT510

ATSAMD21J17D-MMZ

ATSAMD21J17D-MMF

ATSAMD21E17D-MZ

ATSAMD21E17D-OMZ

ATSAMD21E17D-MZVAO

ATSAMD21E17L-MF

ATSAMD21E17D-MF

ATSAMD21G17D-MF

ATSAMD21G17L-MF

ATSAMD21E17L-AF

ATSAMD21E17D-AF

ATSAMD21E17D-AZ

ATSAMD21E17D-OAZ

ATSAMD21E17D-AZVAO

ATSAMD21J17D-MF

ATSAMD21G17D-MZ

ATSAMD21G17D-OMZ

ATSAMD21J17D-MZ

ATSAMD21J17D-OMZ

ATSAMD21J17D-MZVAO

ATSAMD21J17D-AF

ATSAMD21J17D-AZ

ATSAMD21J17D-OAZ

ATSAMD21J17D-AZV08

ATSAMD21J17D-AZVAO

ATSAMD21G17D-AF

ATSAMD21G17D-AZ

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ATSAMD21G17D-AZVAO

ATSAMD21J17D-CU

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ATSAMD21E17D-MU

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ATSAMD21J17D-MU

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ATSAMD21G17L-MN

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ATSAMD21J17D-OCUT

ATSAMD21J17D-MMUT

ATSAMD21E17D-MUT

ATSAMD21E17D-MUT-SLL

ATSAMD21G17D-MUT

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ATSAMD21G17D-AUT

ATSAMD21J17D-MMZT

ATSAMD21J17D-MMFT

ATSAMD21E17D-MZT

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ATSAMD21E17D-MZTV07

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ATSAMD21G16B-AU

ATSAMD21G15B-AU

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ATSAMDA1E16A-MBTV02001-VW

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ATSAMD21E16L-MNTP01

ATSAMD21G16L-MNT

ATSAMD21G16L-MNTP01

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ATSAMDA1G16A-ABT

ATSAMDA1G15A-ABT

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ATSAMD21J16B-OAZ

ATSAMD21J16B-AZVAO

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ATSAMD21G15B-AZ

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ATSAMDA1E16B-MBTV22-MB

ATSAMDA1E16B-MBTV19001-MB

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ATSAMD21E16L-MNTA7

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ATSAMDA1G16B-ABTV25

ATSAMDA1G16B-ABTV29

ATSAMDA1G16B-ABTV31

ATSAMDA1G16B-ABTVAO

ATSAMDA1G15B-ABTVAO

ATSAMDA1G16B-ABTVAO-GM

ATSAMDA1G16B-ABTV08-GM

ATSAMDA1G16B-ABTVAO-SG

ATSAMD21J16B-CUT

ATSAMD21J15B-CUT

ATSAMD21E16C-UUTB4

ATSAMD21E16C-UUT

ATSAMD21E15C-UUT

ATSAMD21E16C-UUTN02

ATSAMD21E16C-UUTN03

ATSAMD21E16C-UUTN04

ATSAMD21E16C-UUTN10

ATSAMD21E15B-MUTN01

ATSAMD21E16B-MUTN02

ATSAMD21E16B-MUTN10

ATSAMD21E16B-MUT-SLL

ATSAMD21G16L-MUTN01

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ATSAMD21J16B-MMZT

ATSAMD21E15B-MZT

ATSAMD21E16B-MZT

ATSAMD21E16B-MZTV16

ATSAMD21E16B-MZTV26

ATSAMD21E15B-MZTVAO

ATSAMD21E16B-MZTVAO

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ATSAMD21E16B-AZT510

ATSAMD21E15B-AZTV30

ATSAMD21E16B-AZTVAO

ATSAMD21G15B-MZT

ATSAMD21G16B-MZT

ATSAMD21G16B-MZTV15

ATSAMD21G16B-MZTV23

ATSAMD21G15B-MZTVAO

ATSAMD21G16B-MZTVAO

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ATSAMD21J16B-AZT

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ATSAMD21G16B-AZT

ATSAMD21G15B-AZT

ATSAMD21G16B-AZTV27

ATSAMD21G16B-AZTVAO

ATSAMD21J18A-MMZ

ATSAMD21J18A-MMZVAO

ATSAMD21J17A-MMF

ATSAMD21J18A-MMF

ATSAMD21E18A-MZ

ATSAMD21E17A-MZ

ATSAMD21E18A-MZVAO

ATSAMD21E18A-MF

ATSAMD21E17A-MF

ATSAMD21G17A-MF

ATSAMD21G18A-MF

ATSAMD21E17A-AF

ATSAMD21E18A-AF

ATSAMD21E18A-AZ

ATSAMD21E17A-AZ

ATSAMD21E18A-AZ510

ATSAMD21E18A-AZVAO

ATSAMD21J17A-MF

ATSAMD21J18A-MF

ATSAMD21G18A-MZ

ATSAMD21G17A-MZ

ATSAMD21G18A-MZ510

ATSAMD21G18A-MZVAO

ATSAMD21J18A-MZ

ATSAMD21J17A-MZ

ATSAMD21J17A-AF

ATSAMD21J18A-AF

ATSAMD21J17A-AZ

ATSAMD21J18A-AZ

ATSAMD21J18A-AZ510

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ATSAMD21G18A-AF

ATSAMD21G17A-AZ

ATSAMD21G18A-AZ