



Product Change Notification / ALAN-190QMD341

Date:

05-Jun-2023

Product Category:

32-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6148 Final Notice: Qualification of MP3A as an additional assembly site for ATSAM21G1xx, ATSAM21G1xx, ATSAM20G1xx, ATSAM21G1xx, ATSAM22G1xx, ATSAM20G1xx device families available in 48L VQFN (7x7x0.9mm) package.

Affected CPNs:

[ALAN-190QMD341_Affected_CPN_06052023.pdf](#)

[ALAN-190QMD341_Affected_CPN_06052023.csv](#)

Notification Text:

PCN Status:Final Notification

PCN Type:Manufacturing Change

Microchip Parts Affected:Please open one of the files found in the Affected CPNs section.

Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

Description of Change:Qualification of MP3A as an additional assembly site for ATSAM21G1xx, ATSAM21G1xx, ATSAM20G1xx, ATSAM21G1xx, ATSAM22G1xx, ATSAM20G1xx device families available in 48L VQFN (7x7x0.9mm) package.

Pre and Post Change Summary:

	Pre Change		Post Change		
Assembly Site	Microchip Technology Thailand (HQ) (MTAI)	Microchip Technology Thailand (Branch) (MMT)	Microchip Technology Thailand (HQ) (MTAI)	Microchip Technology Thailand (Branch) (MMT)	Microchip Technology Inc. (MPHIL-3) (MP3A)
Wire Material	Au	Au	Au	Au	Au
Die Attach Material	3280	3280	3280	3280	3280
Molding Compound Material	G700LTD	G700LTD	G700LTD	G700LTD	G700LTD
Lead-Frame Material	C194	C194	C194	C194	C194
Lead-Frame Paddle Size	217x217 mils	217x217 mils	217x217 mils	217x217 mils	217x217 mils
DAP Surface Prep	Bare Cu	Bare Cu	Bare Cu	Bare Cu	Bare Cu

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve productivity by qualifying MP3A as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:June 26, 2023 (date code: 2326)

Note: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Time Table Summary:

	February 2023					>	June 2023				
Workweek	0 5	0 6	0 7	0 8	0 9		2 2	2 3	2 4	2 5	2 6
Initial PCN Issue Date				x							

Qual Report Availability								X			
Final PCN Issue Date								X			
Estimated Implementation Date											X

Method to Identify Change:Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History:February 22, 2023: Issued initial notice.

March 3, 2023: Re-issuance of initial notice to update affected CPN list and notification subject correspondingly.
June 5, 2023: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on June 26, 2023.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachments:

[PCN ALAN-190QMD341 Qual Report.pdf](#)

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

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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)

ATSAM21G16L-MUTN01
ATSAM21G18A-MUTN01
ATSAMC21G16A-MNTS2
ATSAMC21G17A-MUTS2
ATSAM21G16L-MNTP01
ATSAM21G17A-MUA1
ATSAM21G18A-MUA1
ATSAM21G17A-MUTA1
ATSAM21G18A-MUTA1
ATSAM21G17A-MUTA0
ATSAM20G18A-MUA2
ATSAM20G14A-MUA2
ATSAM20G15A-MUA2
ATSAM20G16A-MUA2
ATSAM20G17A-MUA2
ATSAM20G14A-MUTA2
ATSAM20G15A-MUTA2
ATSAM20G16A-MUTA2
ATSAM20G17A-MUTA2
ATSAM20G18A-MUTA2
ATSAM21G17L-MF
ATSAM21G17L-MU
ATSAM21G17L-MN
ATSAM21G17L-MNT
ATSAM21G17L-MUT
ATSAM21G17L-MFT
ATSAM21G15B-MF
ATSAM21G16B-MF
ATSAM21G16B-MU
ATSAM21G15B-MU
ATSAM21G16L-MNT
ATSAM21G16B-MUT
ATSAM21G15B-MUT
ATSAM21G16L-MUT
ATSAM21G15B-MFT
ATSAM21G16B-MFT
ATSAML21G16B-MNT
ATSAML21G17B-MNT
ATSAML21G18B-MNT
ATSAML21G18B-MNT-SLL
ATSAML21G17B-MNT-SLL
ATSAML21G16B-MUT
ATSAML21G17B-MUT
ATSAML21G18B-MUT
ATSAML21G18B-MUT-SLL
ATSAML22G16A-MUT

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ATSAML22G17A-MUT

ATSAML22G18A-MUT

ATSAMD21G16L-MNTA7

ATSAMD20G16B-MU

ATSAMD20G15B-MU

ATSAMD20G14B-MU

ATSAMD20G16B-MN

ATSAMD20G14B-MN

ATSAMD20G15B-MN

ATSAMD20G16B-MNT

ATSAMD20G14B-MNT

ATSAMD20G15B-MNT

ATSAMD20G16B-MUT

ATSAMD20G14B-MUT

ATSAMD20G15B-MUT

ATSAMC21G17A-MU

ATSAMC20G15A-MNT

ATSAMC20G16A-MNT

ATSAMC20G17A-MNT

ATSAMC20G18A-MNT

ATSAMC21G15A-MNT

ATSAMC21G16A-MNT

ATSAMC21G17A-MNT

ATSAMC21G18A-MNT

ATSAMC21G18A-MUT

ATSAMC20G15A-MUT

ATSAMC20G16A-MUT

ATSAMC20G17A-MUT

ATSAMC20G18A-MUT

ATSAMC21G15A-MUT

ATSAMC21G16A-MUT

ATSAMC21G17A-MUT

ATSAMC20G17A-MUTS2

ATSAMC21G18A-MUT64

ATSAMD21G17A-MF

ATSAMD21G18A-MF

ATSAMD21G18A-MU

ATSAMD21G17A-MU

ATSAMD21G18A-MU-SLL

ATSAMD21G17A-MUT

ATSAMD21G18A-MUT

ATSAMD21G17A-MFT

ATSAMD21G18A-MFT

ATSAMD20G14A-MU

ATSAMD20G15A-MU

ATSAMD20G16A-MU

ATSAMD20G17A-MU

ATSAMD20G18A-MU

ATSAMD20G14A-MN

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ATSAMD20G15A-MN

ATSAMD20G16A-MN

ATSAMD20G17A-MN

ATSAMD20G18A-MN

ATSAMD20G14A-MNT

ATSAMD20G15A-MNT

ATSAMD20G16A-MNT

ATSAMD20G17A-MNT

ATSAMD20G18A-MNT

ATSAMD20G14A-MUT

ATSAMD20G15A-MUT

ATSAMD20G16A-MUT

ATSAMD20G17A-MUT

ATSAMD20G18A-MUT