



Product Change Notification / ALAN-190QMD341

Date:

03-Mar-2023

Product Category:

32-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6148 Initial Notice: Qualification of MP3A as an additional assembly site for ATSAMD21G1xx, ATSAMC21G1xx, ATSAMD20G1xx, ATSAML21G1xx, ATSAML22G1xx, ATSAMC20G1xx device families available in 48L VQFN (7x7x0.9mm) package.

Affected CPNs:

[ALAN-190QMD341_Affected_CPN_03032023.pdf](#)

[ALAN-190QMD341_Affected_CPN_03032023.csv](#)

Notification Text:

PCN Status:Initial 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 ATSAMD21G1xx, ATSAMC21G1xx, ATSAMD20G1xx, ATSAML21G1xx, ATSAML22G1xx, ATSAMC20G1xx 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 Qualification Completion Date:July 2023

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	February 2023	>	July 2023
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Workweek	5	6	7	8	9		27	28	29	30	31
Initial PCN Issue Date				X							
Qual Report Availability								X			
Final PCN Issue Date								X			

Method to Identify Change:Traceability code

Qualification Plan:Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

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.

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_Qualification_Plan.pdf](#)

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

Terms and Conditions:

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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)

ATSAMD21G16L-MUTN01
ATSAMD21G18A-MUTN01
ATSAMC21G16A-MNTS2
ATSAMC21G17A-MUTS2
ATSAMD21G16L-MNTP01
ATSAMD21G17A-MUA1
ATSAMD21G18A-MUA1
ATSAMD21G17A-MUTA1
ATSAMD21G18A-MUTA1
ATSAMD21G17A-MUTA0
ATSAMD20G18A-MUA2
ATSAMD20G14A-MUA2
ATSAMD20G15A-MUA2
ATSAMD20G16A-MUA2
ATSAMD20G17A-MUA2
ATSAMD20G14A-MUTA2
ATSAMD20G15A-MUTA2
ATSAMD20G16A-MUTA2
ATSAMD20G17A-MUTA2
ATSAMD20G18A-MUTA2
ATSAMD21G17L-MF
ATSAMD21G17L-MU
ATSAMD21G17L-MN
ATSAMD21G17L-MNT
ATSAMD21G17L-MUT
ATSAMD21G17L-MFT
ATSAMD21G15B-MF
ATSAMD21G16B-MF
ATSAMD21G16B-MU
ATSAMD21G15B-MU
ATSAMD21G16L-MNT
ATSAMD21G16B-MUT
ATSAMD21G15B-MUT
ATSAMD21G16L-MUT
ATSAMD21G15B-MFT
ATSAMD21G16B-MFT
ATSAML21G16B-MNT
ATSAML21G17B-MNT
ATSAML21G18B-MNT
ATSAML21G18B-MNT-SLL
ATSAML21G17B-MNT-SLL
ATSAML21G16B-MUT
ATSAML21G17B-MUT
ATSAML21G18B-MUT
ATSAML21G18B-MUT-SLL
ATSAML22G16A-MUT

ALAN-19OQMD341 - CCB 6148 Initial Notice: Qualification of MP3A as an additional assembly site for ATSAMD21G1xx, ATSAMC21G1xx, ATSAM20G1xx, ATSAML21G1xx, ATSAML22G1xx, ATSAMC20G1xx device families available in 48L VQFN (7x7x0.9mm) package.

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