

Product Change Notification - ASER-15NGPK064

Date:

09 Mar 2020

Product Category:

Others; 32-bit Microcontrollers

Affected CPNs:

Notification subject:

CCB 3892 and 3892.001 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel ATSAMCxx, ATSAMDxx and ATSAMLxx device families available in 48L VQFN (7x7x1.0 mm) and 32L VQFN (5x5x1.0mm) wettable flank packages.

Notification text:
PCN Status:

Final notification

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open one of the icons found in the Affected CPNs section above.

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

Description of Change:

Qualification of MMT as an additional assembly site for selected Atmel ATSAMCxx, ATSAMDxx and ATSAMLxx device families available in 48L VQFN (7x7x1.0 mm) and 32L VQFN (5x5x1.0mm) wettable flank packages

Pre Change:

Assembled at NSEB using 8600 die attach, G700 molding compound, and at MSL 3.

Post Change:

Assembled at NSEB using 8600 die attach, G700 molding compound, at MSL 3.

Assembled at MMT using 3280 die attach, G700 molding compound, and at MSL 1.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	UTAC Thai Limited LTD. (NSEB)	UTAC Thai Limited LTD. (NSEB)	Microchip Technology Thailand. (MMT)
Wire material	Au	Au	Au
Die attach material	8600	8600	3280
Molding compound material	G700	G700	G700
Lead frame material	C194	C194	C194
Moisture sensitivity level	MSL3	MSL3	MSL1

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve manufacturability by qualifying MMT as an additional assembly site.

Change Implementation Status:



In Progress

Estimated First Ship Date:

April 09, 2020(date code: 2015)

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

Time Table Summary:

	August 2019					-->	March 2020				April 2020				
Workweek	31	32	33	34	35		10	11	12	13	14	15	16	17	18
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:

August 29, 2019: Issued initial notification.

March 09, 2020: Issued final notification. Attached the Qualification Report. Updated the Notification Subject and Description of Change to specify the device families affected. Revised the affected parts list. Provided estimated first ship date to be on April 09, 2020.

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

Attachment(s):

[PCN_ASER-15NGPK064_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)

ATSAMD21G15B-MZ
ATSAMD21G15B-MZT
ATSAMD21G15B-MZTVAO
ATSAMD21G16B-MZ
ATSAMD21G16B-MZT
ATSAMD21G16B-MZTVAO
ATSAMD21G17A-MZ
ATSAMD21G17A-MZT
ATSAMD21G17D-MZ
ATSAMD21G17D-MZT
ATSAMD21G17D-MZTVAO
ATSAMD21G18A-MZ
ATSAMD21G18A-MZT
ATSAMD21G18A-MZTVAO
ATSAMD21G18A-MZVAO
ATSAMDA1E14B-MBT
ATSAMDA1E15A-MBT
ATSAMDA1E15B-MBT
ATSAMDA1E16A-MBT
ATSAMDA1E16B-MBT
ATSAMDA1E16B-MBTVAO
ATSAMDA1G14B-MBT
ATSAMDA1G15B-MBT
ATSAMDA1G16A-MBT
ATSAMDA1G16B-MBT
ATSAMDA1G16B-MBTVAO
ATSAML10E15A-MZ
ATSAML10E15A-MZT
ATSAML10E16A-MZ
ATSAML10E16A-MZT
ATSAML11E15A-MZ
ATSAML11E15A-MZT
ATSAML11E16A-MZ
ATSAML11E16A-MZT
NI32DA14-MBT
NI32DA16-MBT
ATSAMC20E15A-MZ
ATSAMC20E15A-MZT
ATSAMC20E16A-MZ
ATSAMC20E16A-MZT
ATSAMC20E17A-MZ
ATSAMC20E17A-MZT
ATSAMC20E17A-MZTVAO
ATSAMC20E18A-MZ
ATSAMC20E18A-MZT
ATSAMC20G15A-MZ

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ATSAMC20G15A-MZT
ATSAMC20G16A-MZ
ATSAMC20G16A-MZT
ATSAMC20G17A-MZ
ATSAMC20G17A-MZT
ATSAMC20G18A-MZ
ATSAMC20G18A-MZT
ATSAMC21E15A-MZ
ATSAMC21E15A-MZT
ATSAMC21E16A-MZ
ATSAMC21E16A-MZT
ATSAMC21E16A-MZTVAO
ATSAMC21E17A-MZ
ATSAMC21E17A-MZT
ATSAMC21E17A-MZTVAO
ATSAMC21E18A-MZ
ATSAMC21E18A-MZT
ATSAMC21E18A-MZTVAO
ATSAMC21G15A-MZ
ATSAMC21G15A-MZT
ATSAMC21G16A-MZ
ATSAMC21G16A-MZT
ATSAMC21G16A-MZTVAO
ATSAMC21G17A-MZ
ATSAMC21G17A-MZT
ATSAMC21G17A-MZTVAO
ATSAMC21G18A-MZ
ATSAMC21G18A-MZT
ATSAMC21G18A-MZTVAO
ATSAMD21E15B-MZ
ATSAMD21E15B-MZT
ATSAMD21E16B-MZ
ATSAMD21E16B-MZT
ATSAMD21E16B-MZTVAO
ATSAMD21E17A-MZ
ATSAMD21E17A-MZT
ATSAMD21E17D-MZ
ATSAMD21E17D-MZT
ATSAMD21E17D-MZTVAO
ATSAMD21E17D-MZVAO
ATSAMD21E18A-MZ
ATSAMD21E18A-MZT
ATSAMD21E18A-MZTVAO
ATSAMD21E18A-MZVAO