



Product Change Notification - LIAL-19IVLH492

Date:

30 Sep 2019

Product Category:

32-bit Microcontrollers

Affected CPNs:**Notification subject:**

CCB 3655 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel products of 58.85K and 58.8K wafer technologies available in 48L VQFN (7x7x0.9mm) package.

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 products of 58.85K and 58.8K wafer technologies available in 48L VQFN (7x7x0.9mm) package.

Pre Change:

Assembled at ASE using EN-4900F die attach material.

Post Change:

Assembled at ASE using EN-4900F die attach material or assembled at MMT using 3280 die attach material

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	ASE Inc. (ASE)	ASE Inc. (ASE)	Microchip Technology Thailand (Branch) (MMT)
Wire material	Au	Au	Au
Die attach material	EN-4900F	EN-4900F	3280
Molding compound material	G700	G700	G700
Lead frame material	C194	C194	C194



MSL level	MSL 3	MSL 3	MSL 1
-----------	-------	-------	-------

Impacts to Data Sheet:

Yes. POD (package outline drawing) change. See the changes below:

Dimension Limit (in mm)	Pre Change			Post Change		
	Min	Nor	Max	Min	Nor	Max
Number of terminals	48			48		
Overall Height	0.8	0.85	0.9	0.8	0.9	1
Standoff	0	0.02	0.05	0	-	0.05
Terminal Thickness	0.20 REF			0.20 REF		
Overall Length	7.00 BSC			7.00 BSC		
Exposed Pad Length	5.5	5.6	5.7	5.5	5.6	5.7
Overall Width	7.00 BSC			7.00 BSC		
Exposed Pad Width	5.5	5.6	5.7	5.5	5.6	5.7
Terminal Width	0.17	0.25	0.3	0.2	0.25	0.3
Terminal Length	0.3	0.4	0.5	0.3	0.4	0.5
Pitch	0.50 BCS			0.50 BCS		

Note: These POD changes are within JEDEC limit so no significant impact other than a documentation change in the spec and/or datasheet.

Change Impact

None

Reason for Change:

To improve productivity and on-time delivery performance by qualifying ASE as an additional assembly site.

Change Implementation Status:

In Progress

Estimated First Ship Date:

October 30, 2019 (date code: 1944)

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

Time Table Summary:

Workweek	December 2018				-->	September 2019					October 2019			
	49	50	51	52		36	37	38	39	40	41	42	43	44
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:

December 27, 2018: Issued initial notification.

September 30, 2019: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on October 30, 2019.

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_LIAL-19IVLH492_QUAL_REPORT.pdf](#)

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

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

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)

AT91SAM7S32B-MU
AT91SAM7S32B-MU-999
ATSAM3N00AA-MU
ATSAM3N00AA-MUR
ATSAM3N0AA-MU
ATSAM3N0AA-MUR
ATSAM3N1AB-MU
ATSAM3N1AB-MUR
ATSAM3S1AB-MU
ATSAM3S1AB-MUR
ATSAM3S2AA-MU
ATSAM3S2AA-MUR
ATSAM3S4AA-MU
ATSAM3S4AA-MUR