



## Product Change Notification / LIAL-19GWRY786

### Date:

07-Oct-2021

### Product Category:

32-bit Microcontrollers

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 4846 Initial Notice: Qualification of ATP7 as an additional assembly site for selected Atmel ATSAMC20xx, ATSAMC21xx, ATSAMD20xx, ATSAMD21xx and ATSAML21xx device families available in 64L VQFN (9x9x1mm) package.

### Affected CPNs:

[LIAL-19GWRY786\\_Affected\\_CPN\\_10072021.pdf](#)  
[LIAL-19GWRY786\\_Affected\\_CPN\\_10072021.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 ATP7 as an additional assembly site for selected Atmel ATSAMC20xx, ATSAMC21xx, ATSAMD20xx, ATSAMD21xx and ATSAML21xx device families available in 64L VQFN (9x9x1mm) package.

### Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Location	ASE Inc. (ASE)	ASE Inc. (ASE)	Amkor Technology Philippines (P3/P4), INC. (ATP7)

<b>Bond Wire material</b>		PdCu	CuPdAu	PdCu	CuPdAu	CuPdAu
<b>Die Attach material</b>		EN-4900F		EN-4900F		CRM1085A
<b>Mold Compound material</b>		G631H	G631SH	G631H	G631SH	G631BQF
<b>Lead frame</b>	<b>Material</b>	C194		C194		C194
	<b>Paddle size</b>	193 X 193 mils		193 X 193 mils		197X197mils
	<b>DAP Surface Prep</b>	Ring Plating		Ring Plating		Double Ring Plating
		See pre and post change attachment for lead frame comparison.				

**Impacts to Data Sheet:**None

**Change Impact:**None

**Reason for Change:**To improve productivity and on-time delivery performance by qualifying ATP7 as an additional assembly site.

**Change Implementation Status:**In Progress

**Estimated Qualification Completion Date:**

February 2022

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:**

	October 2021					->	February 2022				
	40	41	42	43	44		06	07	08	09	10
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:**October 7, 2021: Issued initial notification.

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

## **Attachments:**

[PCN\\_LIAL-19GWRY786\\_Qual Plan.pdf](#)

[PCN\\_LIAL-19GWRY786\\_Pre and Post Change Summary.pdf](#)

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

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