



## Product Change Notification / LIAL-09UEWG307

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### Date:

21-Dec-2020

### Product Category:

Clock and Timing - Clock and Data Distribution, Clock and Timing - High Speed Communication

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 4395 Initial Notice: Qualification of MMT as an additional assembly site for selected Micrel products available in 16L VQFN (3x3x1.00mm) package.

### Affected CPNs:

[LIAL-09UEWG307\\_Affected\\_CPN\\_12212020.pdf](#)  
[LIAL-09UEWG307\\_Affected\\_CPN\\_12212020.csv](#)

### Notification Text:

**PCN Status:**Initial notification.

#### PCN Type:

Manufacturing Change

#### Microchip Parts Affected:

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

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

#### Description of Change:

Qualification of MMT as an additional assembly site for selected Micrel products available in 16L VQFN (3x3x1.00mm) package.

**Pre Change:** Assembled at UNIS assembly site using 8290 die attach, G770HCD molding compound material and without lead-lock lead frame

**Post Change:**Assembled at UNIS assembly site using 8290 die attach, G770HCD molding compound material and without lead-lock lead frame or assembled at MMT assembly site using 8600 die attach, G700LTD molding compound material and and with lead-lock lead frame.

**Pre and Post Change Summary:**

	Pre Change	Post Change	
<b>Assembly Site</b>	Unisem (M) Berhad Perak, Malaysia (UNIS)	Unisem (M) Berhad Perak, Malaysia (UNIS)	Microchip Technology Thailand (MMT)
<b>Wire material</b>	Au	Au	Au
<b>Die attach material</b>	8290	8290	8600
<b>Molding compound material</b>	G770HCD	G770HCD	G700LTD
<b>Lead frame material</b>	C194	C194	C194
<b>Lead Frame Lead Lock</b>	No	No	Yes
<b>Moisture Sensitivity Level</b>	MSL-2	MSL-2	MSL-1

**Impacts to Data Sheet:**None.

**Change Impact:**

None

**Reason for Change:**

To improve on-time delivery performance by qualifying MMT as an additional assembly site.

**Change Implementation Status:**

In Progress

**Estimated Qualification Completion Date:**

February 2021

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:**

Workweek	December 2020					-	February 2021				
	49	50	51	52	53		05	06	07	08	09
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:**

**December 21, 2020:** 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-09UEWG307\\_QUAL\\_PLAN.pdf](#)

[PCN\\_LIAL-09UEWG307\\_Pre and Post Change Summary.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)

SY75572LMG  
SY75572LMG-TR  
SY88149HALMG  
SY89228UMG  
SY89230UMG  
SY89231UMG  
SY88349NDLMG  
SY84782UMG  
SY89831UMG  
SY89832UMG  
SY89833LMG  
SY89833ALMG  
SY89834UMG  
SY89840UMG  
SY89841UMG  
SY89842UMG  
SY89871UMG  
SY89872UMG  
SY89873LMG  
SY89874UMG  
SY89874AUMG  
SY89875UMG  
SY89876LMG  
SY88932LMG  
SY88982LMG  
SY88992LMG  
SY88149NDLMG  
SY88149HALMG-TR  
SY89228UMG-TR  
SY89230UMG-TR  
SY89231UMG-TR  
SY88349NDLMG-TR  
SY84782UMG-TR  
SY89831UMG-TR  
SY89832UMG-TR  
SY89833LMG-TR  
SY89833ALMG-TR  
SY89834UMG-TR  
SY89840UMG-TR  
SY89841UMG-TR  
SY89842UMG-TR  
SY89871UMG-TR  
SY89872UMG-TR  
SY89873LMG-TR  
SY89874UMG-TR  
SY89874AUMG-TR

SY89875UMG-TR  
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SY88982LMG-TR  
SY88992LMG-TR  
SY88149NDLMG-TR  
SYCUSTDIP1-TR  
SYCUSTDIP2-TR  
SY89833LMG-TX  
SY56011RMG  
SY54017RMG  
SY54017ARMG  
SY56017RMG  
SY54020RMG  
SY54020ARMG  
SY56020RMG  
SY56020XRMG  
SY58020UMG  
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SY58022UMG  
SY54023RMG  
SY54023ARMG  
SY56023RMG  
SY58023UMG  
SY56216RMG  
SY88422LMG  
SY58609UMG  
SY58610UMG  
SY58611UMG  
SY56011RMG-TR  
SY54017RMG-TR  
SY54017ARMG-TR  
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SY88773VMG-TR