



## Product Change Notification / LIAL-10TGMT476

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**Date:**

12-May-2023

**Product Category:**

Linear Regulators

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 6284 Initial Notice: Qualification of UNIG as a new final test site for selected MAQ5281, MAQ5282, MAQ5283, MIC5281, MIC5282, and MIC5283 device families available in 8L MSOP (3x3mm), 8L SOIC (3.9mm) and 8L VDFN (3x3x0.9mm) packages.

**Affected CPNs:**

[LIAL-10TGMT476\\_Affected\\_CPN\\_05122023.pdf](#)

[LIAL-10TGMT476\\_Affected\\_CPN\\_05122023.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 UNIG as a new final test site for selected MAQ5281, MAQ5282, MAQ5283, MIC5281, MIC5282, and MIC5283 device families available in 8L MSOP (3x3mm), 8L SOIC (3.9mm) and 8L VDFN (3x3x0.9mm) packages.

**Pre and Post Change Summary:**

		Pre Change	Post Change
Final Test Site		Unisem (M) Berhad Perak, Malaysia (UNIS)	Unisem (M) Berhad Gopeng, Malaysia (UNIG)
Base Quantity Multiple (BQM) -	Tape and Reel	No change	
Pin 1 Orientation		No change	
Carrier Tape		No dimensional changes.	
Cover Tape		No dimensional changes.	
Dimension		No dimensional changes.	
Color		No change	
Base Quantity Multiple (BQM) -	Tube	No change	
Pin 1 Orientation		No change	
Dimension		No dimensional changes.	
Color		No change	
Packing Method		No change	

**Impacts to Data Sheet:**None

**Change Impact:**None

**Reason for Change:**To improve manufacturability and on-time delivery performance by qualifying UNIG as a new final test site.

**Change Implementation Status:**In Progress

**Estimated Qualification Completion Date:**December 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:**

	May 2023					>	December 2023				
Workweek	1 8	1 9	2 0	2 1	2 2		4 8	4 9	5 0	5 1	5 2
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:**May 12, 2023: 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-10TGMT476\\_Qual\\_Plan.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.



**MICROCHIP**

## **QUALIFICATION PLAN SUMMARY**

**PCN #: LIAL-10TGMT476**

**Date**

**May 03, 2023**

**Qualification of UNIG as a new final test site for selected  
MAQ5281, MAQ5282, MAQ5283, MIC5281, MIC5282, and MIC5283  
device families available in 8L MSOP (3x3mm), 8L SOIC (3.9mm)  
and 8L VDFN (3x3x0.9mm) packages.**

**Purpose:** Qualification of UNIG as a new final test site for selected MAQ5281, MAQ5282, MAQ5283, MIC5281, MIC5282, and MIC5283 device families available in 8L MSOP (3x3mm), 8L SOIC (3.9mm) and 8L VDFN (3x3x0.9mm) packages

**CCB No.** 6284

Test Name	Test Conditions	Sample Size	Qty of Lots	Fail/Accept Criteria
Bin and Yield Comparison	Test the same units at existing and destination locations and compare BIN and Yield data.	3000	1	≤0.1%
Parametric / Characterization Comparison	Characterize the same units at existing and destination locations and compare data.	33	1	≤10%
Correlation Lot report	Yield at each step and reject analysis between systems. 33 units are tested as lot correlation. <ul style="list-style-type: none"><li>• Accept on yield match within 0.1%</li></ul>	33	1	≤0.1%

LIAL-10TGMT476 - C MAQ5282 MAQ5283 MIC5281 MIC5282 and MIC52 8L SOIC (3.9mm) and 8L VDFN (3x

Affected Catalog Part Numbers(CPN)

MAQ5281-3.3YMME  
MAQ5281-5.0YMME  
MAQ5281YMME  
MAQ5282-3.3YMME  
MAQ5282-5.0YMME  
MAQ5282YMME  
MAQ5281-3.3YMME-T5  
MAQ5281-3.3YMME-TR  
MAQ5281-5.0YMME-T5  
MAQ5281-5.0YMME-TR  
MAQ5281YMME-T5  
MAQ5281YMME-TR  
MAQ5282-3.3YMME-T5  
MAQ5282-3.3YMME-TR  
MAQ5282-5.0YMME-T5  
MAQ5282-5.0YMME-TR  
MAQ5282YMME-T5  
MAQ5282YMME-TR  
MAQ5283-3.3YME  
MAQ5283-5.0YME  
MAQ5283YME  
MAQ5283-3.3YME-T5  
MAQ5283-3.3YME-TR  
MAQ5283-5.0YME-T5  
MAQ5283-5.0YME-TR  
MAQ5283YME-T5  
MAQ5283YME-TR  
MAQ5281-3.3YMME-VAO  
MAQ5281-5.0YMME-VAO  
MAQ5281YMME-VAO  
MAQ5282-3.3YMME-VAO  
MAQ5282-5.0YMME-VAO  
MAQ5282YMME-VAO  
MAQ5281-5.0YMME-VAO-MB  
MAQ5281-3.3YMME-TRVAO  
MAQ5281-3.3YMME-T5VAO  
MAQ5281-5.0YMME-TRVAO  
MAQ5281-5.0YMME-T5VAO  
MAQ5281YMME-TRVAO  
MAQ5281YMME-T5VAO  
MAQ5282-3.3YMME-TRVAO  
MAQ5282-3.3YMME-T5VAO

MAQ5282-5.0YMME-TRVAO  
MAQ5282-5.0YMME-T5VAO  
MAQ5282YMME-TRVAO  
MAQ5282YMME-T5VAO  
MAQ5283-3.3YME-VAO  
MAQ5283-5.0YME-VAO  
MAQ5283YME-VAO  
MAQ5283-3.3YME-TRVAO  
MAQ5283-3.3YME-T5VAO  
MAQ5283-5.0YME-TRVAO  
MAQ5283-5.0YME-T5VAO  
MAQ5283YME-TRVAO  
MAQ5283YME-T5VAO  
MIC5281-5.0YMM  
MIC5282-5.0YMM  
MIC5281-5.0YMME  
MIC5281YMME  
MIC5282-3.3YMME  
MIC5282-5.0YMME  
MIC5282YMME  
MIC5281-3.3YMM-TR  
MIC5281-5.0YMM-TR  
MIC5282-5.0YMM-TR  
MIC5281-5.0YMME-TR  
MIC5281YMME-TR  
MIC5282-3.3YMME-TR  
MIC5282-5.0YMME-TR  
MIC5282YMME-TR  
MIC5283-3.3YME  
MIC5283-5.0YME  
MIC5283YME  
MIC5283YME-TR  
MIC5283-3.3YML-TR  
MIC5283-5.0YML-TR  
MIC5283YML-TR  
MIC5281-3.3YMME  
MIC5281-3.3YMME-TR  
MIC5283-3.3YME-TR  
MIC5283-5.0YME-TR  
MIC5283-3.3YME-T5  
MIC5283-5.0YME-T5  
MIC5283YME-T5  
MIC5283-3.3YML-T5  
MIC5283-5.0YML-T5  
MIC5283YML-T5