



Product Change Notification / LIAL-10TGMT476

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.

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

LIAL-10TGMT476 - 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.

~~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



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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. • Accept on yield match within 0.1%	33	1	≤0.1%