



Product Change Notification / LIAL-10TGMT476

Date:

24-Jun-2024

Product Category:

Linear Regulators

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6284 Final 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_06242024.pdf](#)

[LIAL-10TGMT476_Affected_CPN_06242024.csv](#)

Notification Text:

PCN Status:Final 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
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Final Test Site		Unisem (M) Berhad Perak, Malaysia (UNIS)	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 ImpactNone

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 First Ship Date:July 25, 2024 (date code: 2430)

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

Time Table Summary:

	May 2023					>	June 2024					July 2024				
Workweek	1 8	1 9	2 0	2 1	2 2		22	23	24	25	26	27	28	29	30	31

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: May 12, 2023: Issued initial notification.

June 24, 2024: Issued final notification. Attached the Qualification Report. Revised the affected parts list to add MAQ5281-5.0YMME-TRVAO-VW catalog part number (CPN). Provided estimated first ship date to be on July 25, 2024.

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_Report.pdf](#)

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

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

LIAL-10TGMT476 - CCB 6284 Final 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.

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



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QUALIFICATION REPORT SUMMARY

PCN #: LIAL-10TGMT476

Date

June 13, 2024

**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	Result
Bin and Yield Comparison	Test the same units at existing and destination locations and compare BIN and Yield data.	3000	1	$\leq 0.1\%$	Passed
Parametric / Characterization Comparison	Characterize the same units at existing and destination locations and compare data.	33	1	$\leq 10\%$	Passed
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	$\leq 0.1\%$	Passed