Product Change Notification / ALAN-22WDFU453

Date:

13-Sep-2021

Product Category:

Switching Regulators

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4386.002 Initial Notice: Qualification of Microchip Technology Tempe - Fab 2 (TMGR) as new fabrication site for Die#2 and Die#3 for selected MIC2851xx device families in 32L VQFN (6x6x0.9mm) package.

Affected CPNs:

ALAN-22WDFU453_Affected_CPN_09132021.pdf
ALAN-22WDFU453_Affected_CPN_09132021.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 Microchip Technology Tempe - Fab 2 (TMGR) as new fabrication site for Die#2 and Die#3 for selected MIC2851xx device families in 32L VQFN (6x6x0.9mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Fabrication Location	**Die # 1**	Microchip Technology Colorado (MCSO)	Microchip Technology Colorado (MCSO)
	Die # 2	MaxPower Semiconductor (MAPW)	Microchip Technology Tempe - Fab 2 (TMGR)
	Die # 3	MaxPower Semiconductor (MAPW)	Microchip Technology Tempe - Fab 2 (TMGR)
Wafer Size	**Die # 1**	6 inches	6 inches
	Die # 2 and Die # 3	8 inches	8 inches

Impacts to Data Sheet: None.

Change Impact: None.

Reason for Change:
To improve manufacturability and on-time delivery performance by qualifying TMGR as new fabrication site for Die#2 and Die#3.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: July 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:

	September 2021						**July 2022**				
Workweek	36	37	38	39	40	->	26	27	28	29	30
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:September 13, 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_ALAN-22WDFU453_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#: ALAN-22WDFU453

Date:
September 6, 2021

Qualification of Microchip Technology Tempe - Fab 2 (TMGR) as new fabrication site for Die#2 and Die#3 for selected MIC2851xx device families in 32L VQFN (6x6x0.9mm) package.

Purpose	Qualification of Microchip Technology Tempe - Fab 2 (TMGR) as new fabrication site for Die#2 and Die#3 for selected MIC2851xx device families in 32L VQFN (6x6x0.9mm) package.
CCB	4386.002

Test	Sample Size	No. of Lots	Pass Criteria	Pre/Post Test Temp
Precondition	308	3	0/924	25 °C
High Temp Rev Bias (HTRB)	77	3	0/231	25 °C
High Temp Gate Bias (HTGB)	77	3	0/231	25 °C
Intermittent Op Life (IOL) * Required for automotive only	77	3	0/231	25 °C
Temp Cycle	77	3	0/231	25 °C
ESD HBM	30	1	Component classification is assigned based on passing pulse.	25 °C
ESD MM	30	1		25 °C
ESD CDM	30	1		25 °C

Affected Catalog Part Numbers (CPN)

MIC28516T-E/PHA
MIC28516T-E/PHAVAO
MIC28517T-E/PHA
MIC28517T-E/PHAVAO