

Product Change Notification / JAON-29JHXT366

Date:		

18-Nov-2021

Product Category:

Switching Regulators

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4692 Final Notice: Qualification of MaxPower Semiconductor (MAPW) as a new fabrication site for Die #3 of selected Micrel MIC26120x and MIC26950 device families available in 28L VQFN (5x6x0.9mm) package using gold (Au) wire material.

Affected CPNs:

JAON-29JHXT366_Affected_CPN_11182021.pdf JAON-29JHXT366_Affected_CPN_11182021.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 MaxPower Semiconductor (MAPW) as a new fabrication site for Die #3 of selected Micrel MIC26120x and MIC26950 device families available in 28L VQFN (5x6x0.9mm) package using gold (Au) wire material.

Pre and Post Change Summary:

		Pre Change	Post Change			
	Die # 1	Microchip Technology Colorado (MCSO)	Microchip Technology Colorado (MCSO)			
Fabrication Location	Die # 2	M-MOS Semiconductor HK Taiwan Branch (MMOS) - Manufactured by Xfab	M-MOS Semiconductor HK Taiwan Branch (MMOS) - Manufactured by Xfab			
	Die # 3	Analog Power Inc. (ANPI)	MaxPower Semiconductor (MAPW)			
Wafer Size	Die # 1	6 inches	6 inches			
	Die # 2	8 inches	8 inches			
	Die # 3	8 inches	8 inches			
Assembly Site Wire material Die attach material		Unisem (M) Berhad Perak, Malaysia (UNIS)	Unisem (M) Berhad Perak, Malaysia (UNIS)			
		Au wire	Au Wire			
		84-1 LMISR4	84-1 LMISR4			
Molding com	pound material	G770HCD	G770HCD			
Lead frame material		A194	A194			

Impacts to Data Sheet:

Yes. Current-Limit Threshold change in Data Sheet as in below.

Short Circuit Protection								
Current-Limit Treshold	$V_{FB} = 0.8V$, $T_J = 25^{\circ}C$	18.75	26	33	Α			
Current-Limit Treshold	$V_{FB} = 0.8V, T_J = 125^{\circ}C$	17.36	26	33	A			

Change Impact:

None.

Reason for Change:

To improve productivity by qualifying MaxPower Semiconductor (MAPW) as a new fabrication site for die# 3.

Change Implementation Status:

In Progress

Estimated First Ship Date:

November 3, 2021 (date code: 2145)

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

Time Table Summary:

	September 2021				November 2021					
Workweek	36	37	38	39	40	45	46	47	48	49
Qual Report Availability								Χ		
Final PCN Issue Date		Х								

Estimated						
Implementation			Χ			
Date						

Method to Identify Change:

Traceability code

Qualification Report:

Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History:

September 8, 2021: Issued final notification.

November 18, 2021: Re-issued final notification. Updated Impacts to Data Sheet field from "No" to "Yes". Attached Qualification Report.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachments:

JAON-29JHXT366_Qual_Report.pdf

Please contact your local Microchip sales office with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to <u>receive Microchip PCNs via email</u> please register for our PCN email service at our <u>PCN</u> home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the <u>PCN FAQ</u> section.

If you wish to <u>change your PCN profile</u>, <u>including opt out</u>, please go to the <u>PCN home page</u> select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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Affected Catalog Part Numbers (CPN)

MIC26950YJL-TR MIC261201YJL-TR MIC261203YJL-TR MIC261203-ZYJL-TR

Date: Thursday, November 18, 2021