



Product Change Notification / MFOL-02RMEZ001

Date:

26-Mar-2024

Product Category:

Current And Power Measurement ICs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5351 Final Notice: Qualification of MMT as an additional assembly site for PAC1710-1-AIA-TR, PAC1720-1-AIA-TR, and PAC1921-1-AIA-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm) package.

Affected CPNs:

[MFOL-02RMEZ001_Affected_CPN_03262024.pdf](#)
[MFOL-02RMEZ001_Affected_CPN_03262024.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 MMT as an additional assembly site for PAC1710-1-AIA-TR, PAC1720-1-AIA-TR, and PAC1921-1-AIA-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm) package.

Pre and Post Change Summary:

		Pre Change			Post Change		
Assembly Site		HANA Microelectronics -China (HANC)		Amkor Technology Philippines (P3/P4), INC. (ATP7)	HANA Microelectronics -China (HANC)		Amkor Technology Philippines (P3/P4), INC. (ATP7)
Wire Material		Au		Au	Au		Au
Die Attach Material		2200D		AMK06	2200D		AMK06
Molding Compound Material		CEL9220HF13H		G700Y	CEL9220HF13H		G700Y
Lead-F rame	Material	C194		C194	C194		C194
	Lead-loc k	No		No	No		No
	Paddle Size	70 x 98 mils		71 x 98 mils	70 x 98 mils		71 x 98 mils
DAP Surface Prep		NiPdAu		NiPdAu	NiPdAu		NiPdAu

Note: * C194, A194 or CDA194 Lead frame material are the same, it is just a MCHP internal labelling difference below the pre and post summary table.

Impacts to Data Sheet: Yes. Package Outline Drawing (POD).

Units: mm		HANC			ATP7			MMT		
		Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
Number of Pins	N	10			10			10		
Pitch	e	0.50 BSC			0.50 BSC			0.50 BSC		
Overall Height	A	0.85	0.9	0.95	0.08	0.85	0.9	0.8	0.9	1
Stand off	A1	-	-	-	0	0.02	0.05	0	0.02	0.05
Contact Thickness	A3	0.2	0.203	0.211	0.20 REF			0.20 REF		
Overall Length	D	3.00 BSC			3.00 BSC			3.00 BSC		
Exposed Pad Length	D2	2.2	2.45	2.7	2.2	2.3	2.4	2.2	2.3	2.4
Overall Width	E	3.00 BSC			3.00 BSC			3.00 BSC		
Exposed pad width	E2	1.4	1.575	1.75	1.5	1.6	1.7	1.5	1.6	1.7
Contact Width	b	0.18	0.23	0.3	0.18	0.25	0.3	0.2	0.25	0.3
Contact Length	L	0.35	0.4	0.45	0.35	0.4	0.45	0.35	0.4	0.45

Terminate-to-Exposed pad	K				0.2			0.2		
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Change Impact:None

Reason for Change: To improve on-time delivery performance by qualifying MMT as an additional assembly site.

Change Implementation Status: In Progress

Estimated First Ship Date: April 24, 2024 (date code: 2417)

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

Time Table Summary:

	November 2022					>	March 2024					April 2024				
	4 5	4 6	4 7	4 8	4 9		09	10	11	12	13	14	15	16	17	18
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: November 7, 2022: Issued initial notification.

March 26, 2024: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on April 24, 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_MFOL-02RMEZ001_Pre and Post change summary.pdf
PCN_MFOL-02RMEZ001 Qual_Report.pdf

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

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