



Product Change Notification / MFOL-02RMEZ001

Date:

07-Nov-2022

Product Category:

Current And Power Measurement ICs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5351 Initial 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_11072022.pdf](#)

[MFOL-02RMEZ001_Affected_CPN_11072022.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 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)	Microchip Technology Thailand (Branch) (MMT)
Wire Material		Au	Au	Au	Au	Au
Die Attach Material		2200D	AMK06	2200D	AMK06	8600
Molding Compound Material		CEL9220HF13H	G700Y	CEL9220HF13H	G700Y	G700LTD
Lead-F rame	Material	C194	C194	C194	C194	A194
	Lead-loc k	No	No	No	No	Yes
	Paddle Size	70 x 98 mils	71 x 98 mils	70 x 98 mils	71 x 98 mils	71 x 98 mils
DAP Surface Prep		NiPdAu	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 Qualification Completion Date:December 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:

	November 2022					December 2022			
Workweek	4 5	4 6	4 7	4 8	4 9	5 0	5 1	5 2	5 3
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:November 07, 2022: 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_MFOL-02RMEZ001_Pre and Post change_summary.pdf](#)
- [PCN_MFOL-02RMEZ001_Qual Plan.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

PAC1710-1-AIA-TR

PAC1720-1-AIA-TR

PAC1921-1-AIA-TR