



Product Change Notification / CADA-27EMAC404

Date:

22-Jun-2023

Product Category:

8-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5157 Final Notice: Qualification of C194 as an additional lead frame material for selected PIC16F1538xx, PIC16F1918xx, PIC16LF153xx, PIC16LF191xx, PIC18F5xx and PIC18LF5xx device families available in 48L UQFN (6x6x0.5mm) package.

Affected CPNs:

[CADA-27EMAC404_Affected_CPN_06222023.pdf](#)
[CADA-27EMAC404_Affected_CPN_06222023.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 C194 as an additional lead frame material for selected PIC16F1538xx, PIC16F1918xx, PIC16LF153xx, PIC16LF191xx, PIC18F5xx and PIC18LF5xx device families available in 48L UQFN (6x6x0.5mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	UTAC Thai Limited (UTL-1) LTD (NSEB)	UTAC Thai Limited (UTL-1) LTD (NSEB)	UTAC Thai Limited (UTL-1) LTD (NSEB)
Wire Material	Au	Au	Au
Die Attach Material	8600	8600	8600
Molding Compound Material	G700LTD	G700LTD	G700LTD
Lead-Frame Material	EFTEC64T	EFTEC64T	C194
Lead-Frame Paddle Size	193x193 mil	193x193 mil	193x193 mil
DAP Surface Prep	Ag on lead only	Ag on lead only	Ag on lead only

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability and productivity by qualifying C194 as an additional lead frame material.

Change Implementation Status:In Progress

Estimated First Ship Date:July 21, 2023 (date code: 2329)

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

Time Table Summary:

	June 2022					>	June 2023					July 2023				
Workweek	2 3	2 4	2 5	2 6	2 7		2 2	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0	3 1
Initial PCN Issue Date					X											
Qual Report Availability										X						
Final PCN Issue Date										X						
Estimated													X			

Implementation Date													
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Method to Identify Change:Traceability code

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

Revision History:June 29, 2022: Issued initial notification.

June 22, 2023: Issued final notification. Attached the Qualification Report. Added CPN PIC16F19186T-I/MV023 on the affected parts list. Provided estimated first ship date to be on July 21, 2023.

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

Attachments:

[PCN_CADA-27EMAC404_Pre and Post Change Summary.pdf](#)

[PCN_CADA-27EMAC404_Qualification Report.pdf](#)

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

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