



Product Change Notification / NTDO-01ZZMF149

Date:

13-Feb-2022

Product Category:

Clock and Timing - Clock and Data Distribution

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4673 Final Notice: Qualification of MTAI as additional assembly site for selected SY56040A, SY5803xU, SY58040U, SY8911xU, SY8946xU, SY89540U and SY89859U Micrel device families available in 44L VQFN (7x7x0.9mm) package.

Affected CPNs:

[NTDO-01ZZMF149_Affected_CPN_02132022.pdf](#)
[NTDO-01ZZMF149_Affected_CPN_02132022.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 MTAI as new assembly site for selected SY56040A, SY5803xU, SY58040U, SY8911xU, SY8946xU, SY89540U and SY89859U Micrel device families available in 44L VQFN (7x7x0.9mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	Amkor Technology Philippine (P1/P2), INC. (ANAP)	Amkor Technology Philippine (P1/P2), INC. (ANAP)	Microchip Technology Thailand – (HQ) (MTAI)
Wire Material	Au	Au	Au
Wire Diameter	1.0/1.2 mils	1.0/1.2 mils	0.9 /1.3 mils
Die Attach Material	8290	8290	3280
Molding Compound Material	G700	G700	G700
Lead-Frame Material*	C194	C194	A194
	See Pre and Post Change attachment comparison		
Lead-Frame Paddle Size	137x137 mils	137x137 mils	157x157 mils
Lead-Frame Treatment	None	None	Roughening
Lead-Frame Lead Plating	Matte tin	Matte tin	Matte tin
Lead lock	No	No	Yes

Note: *C194, A194 or CDA194 Lead frame material are the same, it is just a MCHP internal labelling difference.

Impacts to Data Sheet:None

Change Impact:None

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

Change Implementation Status:In Progress

Estimated First Ship Date:March 30, 2022 (date code: 2214)

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

Time Table Summary:

Workweek	February 2022					March 2022			
	6	7	8	9	10	11	12	13	14
Final PCN Issue Date			X						
Qual Report Availability			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:

February 13, 2022: Issued final 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_NTDO-01ZZMF149_Qual Report.pdf](#)
[PCN_NTDO-01ZZMF149_Pre and Post Change Summary.pdf](#)

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

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