



## Product Change Notification / NTDO-01ZZMF149

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**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	
<b>Assembly Site</b>	Amkor Technology Philippine (P1/P2), INC.  (ANAP)	Amkor Technology Philippine (P1/P2), INC.  (ANAP)	Microchip Technology Thailand – (HT)  (MTAI)
<b>Wire Material</b>	Au	Au	Au
<b>Wire Diameter</b>	1.0/1.2 mils	1.0/1.2 mils	0.9 /1.3 mils
<b>Die Attach Material</b>	8290	8290	3280
<b>Molding Compound Material</b>	G700	G700	G700
<b>Lead-Frame Material*</b>	C194	C194	A194
	See Pre and Post Change attachment comparison		
<b>Lead-Frame Paddle Size</b>	137x137 mils	137x137 mils	157x157 mils
<b>Lead-Frame Treatment</b>	None	None	Roughening
<b>Lead-Frame Lead Plating</b>	Matte tin	Matte tin	Matte tin
<b>Lead lock</b>	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:**

	February 2022					March 2022			
Workweek	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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