



**Product Change Notification / NTDO-21XSFE180**

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**Date:**

03-Jan-2023

**Product Category:**

8-bit Microcontrollers

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 4853 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel ATMEGA324PB device family available in 44L VQFN (7x7x1mm) package using CuPdAu wire.

**Affected CPNs:**

[NTDO-21XSFE180\\_Affected\\_CPN\\_01032023.pdf](#)  
[NTDO-21XSFE180\\_Affected\\_CPN\\_01032023.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 selected Atmel ATMEGA324PB device family available in 44L VQFN (7x7x1mm) package using CuPdAu wire.

**Pre and Post Change Summary:**

	Pre Change	Post Change
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Assembly Site		ASE Group Chung-Li (ASCL)	ASE Group Chung-Li (ASCL)	Microchip Technology Thailand Branch (MMT)
<b>MSL Information</b>		MSL 3	MSL 3	MSL 1
<b>Wire material</b>		CuPdAu/Cu	CuPdAu/Cu	CuPdAu
<b>Die attach material</b>		EN-4900G	EN-4900G	3280
<b>Molding compound material</b>		G700LA	G700LA	G700LTD
<b>Lead frame</b>	<b>Material</b>	C194	C194	C194
	<b>Paddle size</b>	213x213 mils	213x213 mils	213x213 mils
	<b>DAP Surface Prep</b>	Bare Cu	Bare Cu	Bare Cu
	<b>Design</b>	Please see attached Pre and Post Change comparison		

**Impacts to Data Sheet:**None

**Change Impact:**None

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

**Change Implementation Status:**In Progress

**Estimated First Ship Date:**January 30, 2023 (date code: 2305)

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

**Time Table Summary:**

	September 2021					>	January 2023				
Workweek	3 6	3 7	3 8	3 9	4 0		1	2	3	4	5
Initial PCN Issue Date					x						
Qual Report Availability							x				
Final PCN Issue Date							x				



Affected Catalog Part Numbers (CPN)

ATMEGA324PB-MU

ATMEGA324PB-MN

ATMEGA324PB-MNR

ATMEGA324PB-MUR