



Product Change Notification / ASER-19HIWO872

Date:

28-Oct-2022

Product Category:

8-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4748 Final Notice: Qualification of MTAI as an additional assembly site for selected ATMEGA324PBxxx and PIC16F1xxx device families available in 44L TQFP (10x10x1mm) package.

Affected CPNs:

[ASER-19HIWO872_Affected_CPN_10282022.pdf](#)
[ASER-19HIWO872_Affected_CPN_10282022.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 an additional assembly site for selected ATMEGA324PBxxx and PIC16F1xxx device families available in 44L TQFP (10x10x1mm) package.

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 (MTAI)
Moisture Sensitivity Level (MSL)		MSL3	MSL3	MSL1
Shipping Media	Tray	Blue Bakeable	Blue Bakeable	Dark Blue Non-bakeable
	T/R	No Change	No Change	No Change
Wire Material		Au/CuPdAu	Au/CuPdAu	Au
Die Attach Material		EN-4900GC	EN-4900GC	3280
Molding Compound Material		G700	G700	G700
Lead Frame	Material	EFFECT64	EFFECT64	C7025
	Paddle Size	205 x 205 mils	205 x 205 mils	180 x 180 mils
	DAP Surface Prep	Ag ring plate	Ag ring plate	Bare Copper
	See Pre and Post Change Summary for Lead Frame comparison.			

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying MTAI as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:November 10, 2022 (date code: 2246)

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

Time Table Summary:

	August 2021					>	October 2022					November 2022				
Workweek	3	3	3	3	3		4	4	4	4	4	4	4	4	4	4
	2	3	4	6	6		0	1	2	3	4	5	6	7	8	9
Initial PCN Issue Date				x												
Qual Report Availability											x					
Final PCN Issue											x					

Date																			
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:August 26, 2021: Issued initial notification.

March 29, 2022: Issued final notification. Provided estimated first ship date to be on April 29, 2022.

September 30, 2022: Re-issued final notification. Updated wire material for ASCL assembly site to add CuPdAu bond wire. Updated affected part list to remove catalog part numbers ATMEGA324PB-AN, ATMEGA324PB-ABT and add CPN PIC16F18075-I/P based on the updated scope. Updated subject notification, reason for change and qual title accordingly.

October 28, 2022: Re-issued final notification with qual report. Updated Estimated Implementation and Estimated First Ship date to November 10, 2022.

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

Attachments:

- [PCN_ASER-19HIWO872_Qual Report.pdf](#)
- [PCN_ASER-19HIWO872_Pre and Post Change_Summary.pdf](#)

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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If you wish to change your PCN profile, including opt out, please go to the **PCN home page** select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make

the applicable selections.

Affected Catalog Part Numbers (CPN)

ATMEGA324PB-ANR
ATMEGA324PB-AUR
PIC16F15274-E/PT
PIC16F15275-E/PT
PIC16F15276-E/PT
PIC16F15274-I/PT020
PIC16F15274-I/PT
PIC16F15275-I/PT
PIC16F15276-I/PT
PIC16F18075-I/PT
ATMEGA324PB-AU
ATMEGA324PB-AN
ATMEGA324PB-ABTVAO