

#### Product Change Notification / NTDO-09RUGQ249

#### Date:

14-Sep-2021

### **Product Category:**

Microprocessors

### **PCN Type:**

Manufacturing Change

#### **Notification Subject:**

CCB 4645 Initial Notice: Qualification of MPHL as additional final test site for selected ATSAMA5D3xA device families available in 324L LFBGA (15x15x1.4mm) package.

#### **Affected CPNs:**

NTDO-09RUGQ249\_Affected\_CPN\_09142021.pdf NTDO-09RUGQ249\_Affected\_CPN\_09142021.csv

### Notification Text:

PCN Status: Initial 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 MPHL as additional final test site for selected ATSAMA5D3xA device families available in 324L LFBGA (15x15x1.4mm) package.

	Pre Change	Post Change		
Final Test Site	ASE-Shanghai (ASSH)	ASE-Shanghai (ASSH)	Microchip Technology Operations (Philippines)	

				Corporation (MPHL)		
Base Quantity	, T/R	500	500	500		
Multiple (BQN		126 126		126		
Pin 1 orientation		Quadrant 2	Quadrant 2	Quadrant 2		
Carrie	er Tape	No dimensional changes*				
Cove	er Tape	Minor dimensional changes*				
Plastic	Dimension	No dimensional changes*				
Reel	Color	White	White	White		
T	Dimension	No dimensional changes*				
Tray	Color	Black	Black	Black		
Packing	g Method	See attached Pre and Post comparison				

\* See attached Pre and Post Change comparison

Impacts to Data Sheet: None

Change Impact:None

Reason for Change: To improve manufacturability by qualifying MPHL as additional final test site.

Change Implementation Status: In Progress

#### Estimated Qualification Completion Date: October 2021

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

#### Time Table Summary:

	September 2021			October 2021						
Workweek	3	3	3	3	4	4	4	43	44	45
	6	7	8	9	0	1	2			
Initial PCN Issue Date			Х							
Qual Report							v			
Availability							Х			
Final PCN Issue Date							Х			

Method to Identify Change: Traceability code

Qualification Plan: Please open the attachments included with this PCN labeled as PCN\_#\_Qual Plan.

Revision History:September 14, 2021: Issued Initial 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-09RUGQ249\_Pre and Post Change Summary.pdf PCN\_NTDO-09RUGQ249\_Qual\_Plan.pdf

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

#### Terms and Conditions:

If you wish to <u>receive Microchip PCNs via email</u> please register for our PCN email service at our PCN home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the PCN FAQ section.

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



### **QUALIFICATION PLAN SUMMARY**

### PCN #: NTDO-09RUGQ249

Date: September 9, 2021

Qualification of MPHL as additional final test site for selected ATSAMA5D3xA device families available in 324L LFBGA (15x15x1.4mm) package.

- Purpose: Qualification of MPHL as additional final test site for selected ATSAMA5D3xA device families available in 324L LFBGA (15x15x1.4mm) package.
- CCB No.: 4645

Test / Evaluation	Test Conditions / Parameters		
Datalog/Bin Comparison	<ul> <li>Compare test numbers, test names, test sequence bin assignments &amp; pass/fail results</li> <li>Accept if all match or justify the differences</li> </ul>		
Correlation lot report	<ul> <li>Yield at each step and reject analysis between systems. 3K units are tested for each program conversion we perform.</li> <li>Accept on yield match within 1%</li> </ul>		
Parametric comparison	<ul> <li>100% test at room, hot, cold temperature if applicable based on production flow.</li> </ul>		

# CCB 4645 Pre and Post Change Summary PCN #: NTDO-09RUGQ249

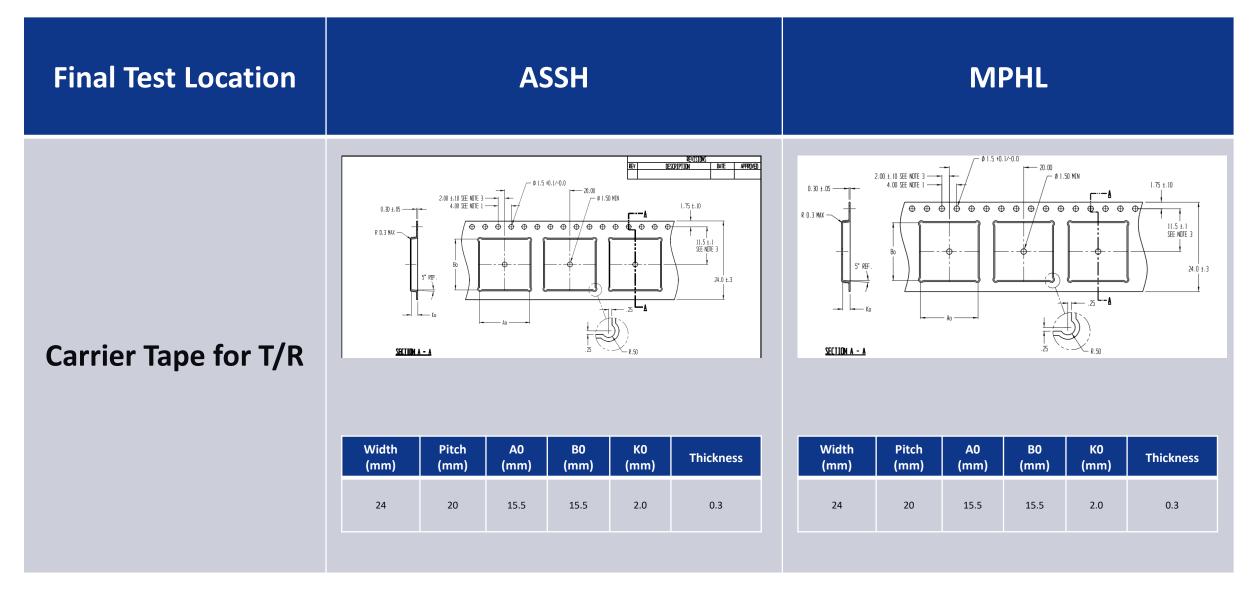
A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



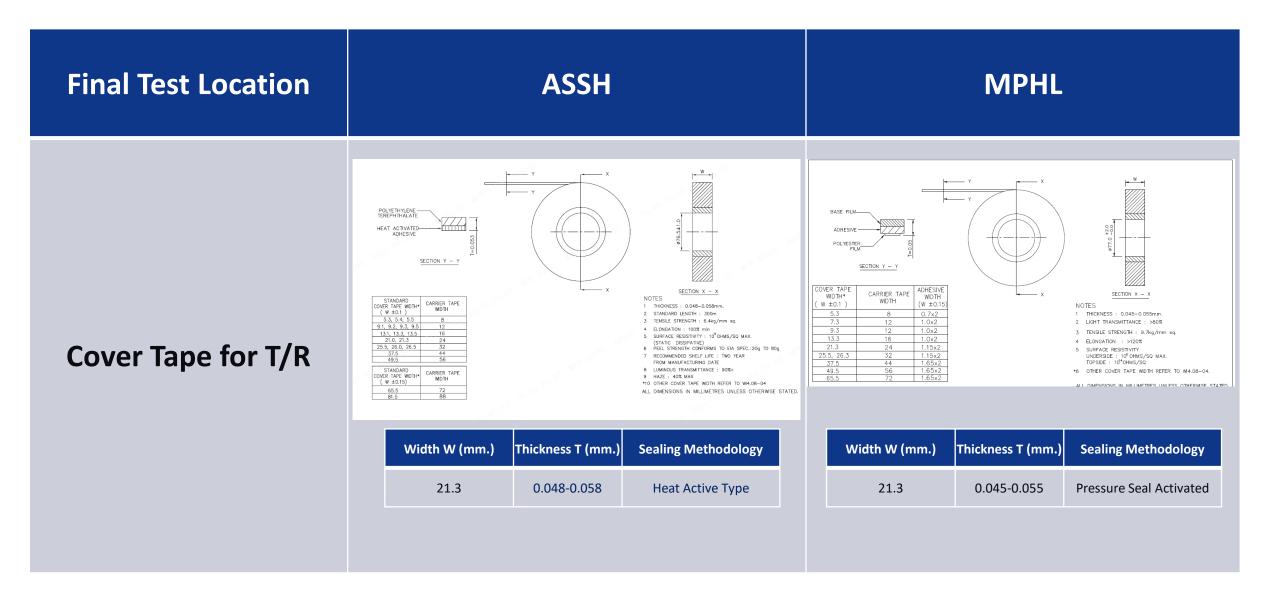
Qualification of MPHL as additional final test site for selected ATSAMA5D3xA device families available in 324L LFBGA (15x15x1.4mm) package

Final Test Location		ASSH	MPHL		
Base Quantity	T/R	500	500		
Multiple (BQM)	Tray	126	126		
Pin 1 Orientation		Quadrant 2	Quadrant 2		

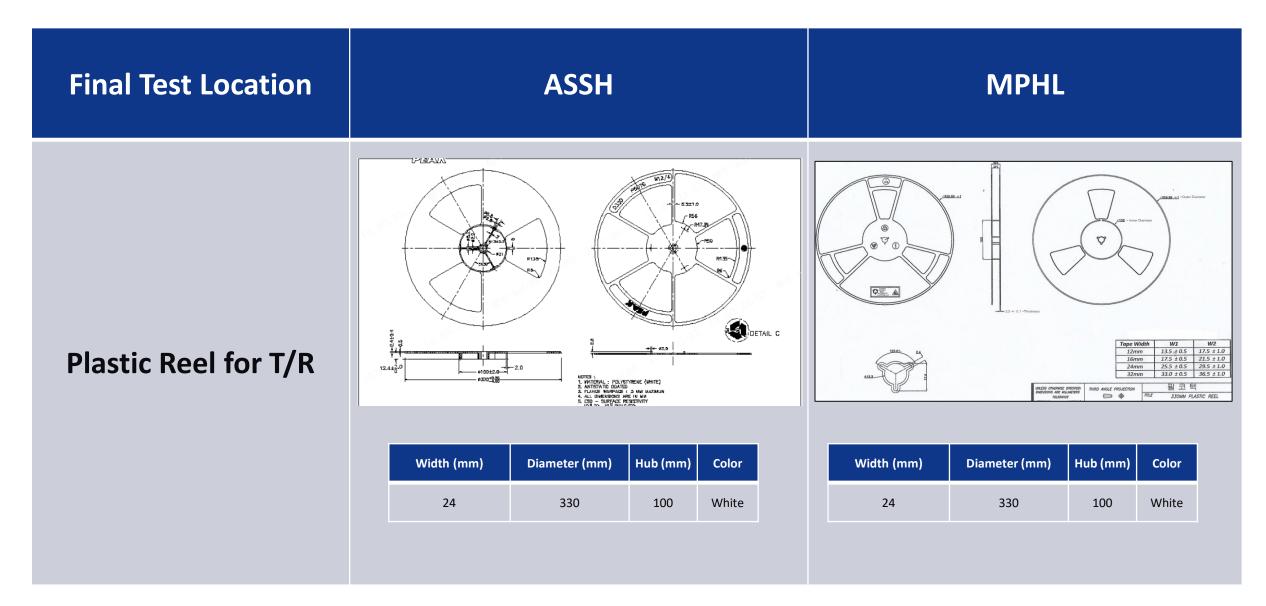




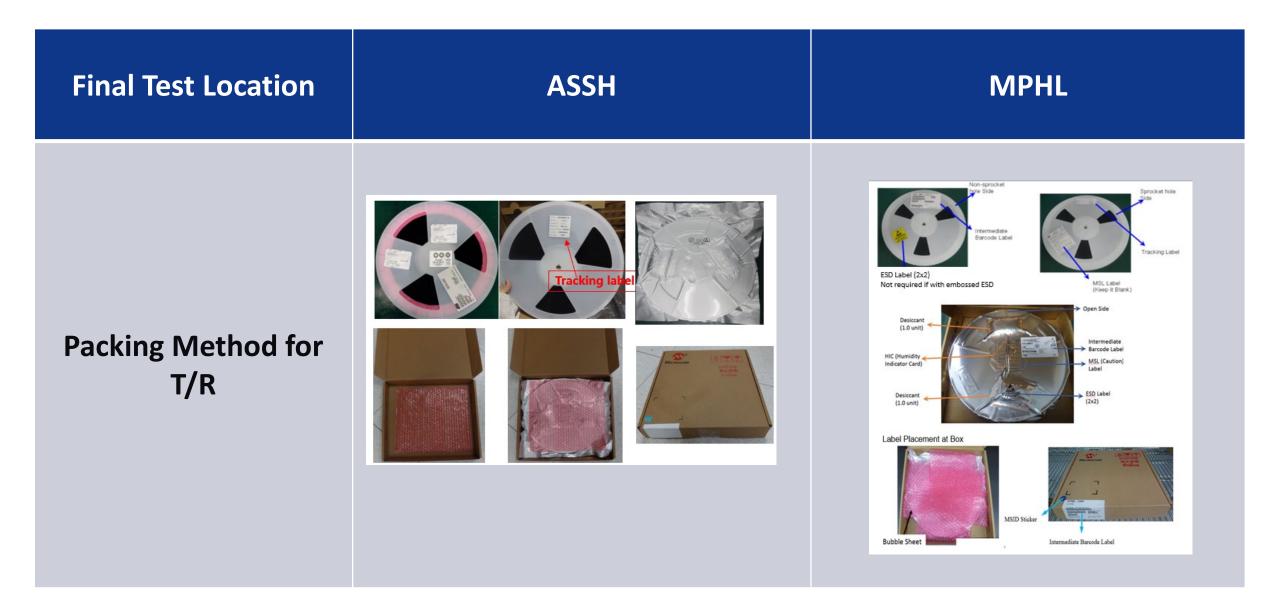






















Affected Catalog Part Numbers (CPN)

ATSAMA5D31A-CU ATSAMA5D31A-CUR ATSAMA5D33A-CU ATSAMA5D33A-CUR ATSAMA5D34A-CU ATSAMA5D34A-CUR ATSAMA5D35A-CU ATSAMA5D35A-CUR ATSAMA5D36A-CU ATSAMA5D36A-CUR ATSAMA5D31A-CUC21 ATSAMA5D35A-CUC22 ATSAMA5D36A-CUC23 ATSAMA5D31A-CURC21 ATSAMA5D35A-CURC22 ATSAMA5D36A-CURC23