

### Product Change Notification / NTDO-09RUGQ249

### Date:

21-Oct-2021

### **Product Category:**

Microprocessors

### **PCN Type:**

Manufacturing Change

### **Notification Subject:**

CCB 4645 Final 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\_10212021.pdf NTDO-09RUGQ249\_Affected\_CPN\_10212021.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 MPHL as additional final test site for selected ATSAMA5D3xA device families available in 324L LFBGA (15x15x1.4mm) package.

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Final Test Site		ASE-Shang hai (ASSH)	ASE-Shan ghai (ASSH)	Microchip Technology Operations (Philippines) Corporation (MPHL)			
Base	T/R	500	500	500			
Quantity Multiple (BQM)	Tray	126	126	126			
Pin 1 Or	Pin 1 Orientation		Quadrant 2	Quadrant 2			
Carrie	er Tape	No dimensional changes*					
Cove	r Tape	Minor dimensional changes*					
Plastic	Dimension	No dimensional changes*					
Reel	Color	White	White	White			
Dimension		Ν	nal changes*				
Tray Color		Black	Black	Black			
Packing	; Method	See Pre and Post Change Summary for comparison					

\* See Pre and Post Change Summary for comparison

Impacts to Data Sheet:None

#### Change ImpactNone

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

Change Implementation Status: In Progress

Estimated First Ship Date:November 23, 2021 (date code: 2148)

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

#### Time Table Summary:

	S	epte	mbe	r 202	21	00	tobe	er 20	21	N	ove	mbei	r <b>202</b>	21
Workweek	3	3	3	3	4	4	4	4	4	4	4	4	4	4
WORKWEEK	6	7	8	9	0	1	2	3	4	5	6	7	8	9
Initial PCN Issue														
Date				Х										
Qual Report														
Availability								Х						
Final PCN Issue								х						

Date								
Estimated Implementation							x	
Date								

Method to Identify Change: Traceability code

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

**Revision History:**September 14, 2021: Issued Initial Notification October 21, 2021: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on November 23, 2021.

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\_Qual\_Report.pdf PCN\_NTDO-09RUGQ249\_Pre and Post Change Summary.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, 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 REPORT SUMMARY**

## PCN #: NTDO-09RUGQ249

Date: October 12, 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	Results
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>	PASSED
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>	PASSED
Parametric comparison	<ul> <li>100% test at room, hot, cold temperature if applicable based on production flow.</li> </ul>	PASSED



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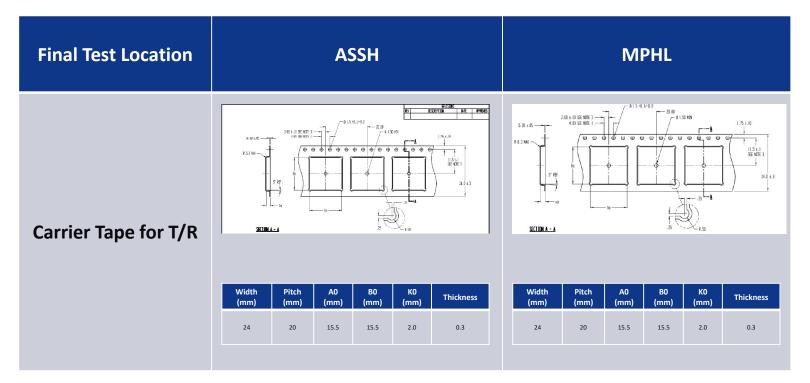


Qualification of MPHL as additional final test site for selected ATSAMA5D3xA device families available in 324L LFBGA (15x15x1.4mm) package

2

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







4

Final Test Location	ASSH		MPHL
Cover Tape for T/R	(* 8.13.)         \$	$\frac{1}{1000} \frac{1}{1000} \frac{1}{1000$	THE CORE THE ATTHE WASH.
		ling Methodology Width W (mm.) eat Active Type 21.3	Thickness T (mm.)     Sealing Methodology       0.045-0.055     Pressure Seal Activated
	21.3 0.040 0.050		1 ressure sear Activated



Final Test Location	ASSH	MPHL
Plastic Reel for T/R	Vidth (mm)     Muth	Width (mm)       Diameter (mm)       Hub (mm)       Color
	24 330 100 White	24 330 100 White



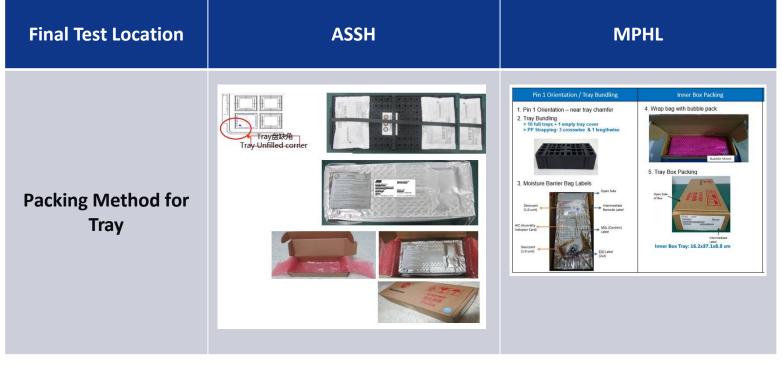
Final Test Location	ASSH	MPHL
Packing Method for T/R	<image/>	<complex-block></complex-block>







7





NTDO-09RUGQ249 - CCB 4645 Final Notice: Qualification of MPHL as additional final test site for selected AT

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