

Product Change Notification / LIAL-16EKMP130	
Date:	

07-Jul-2022

### **Product Category:**

32-bit Microcontrollers

### **PCN Type:**

Manufacturing Change

### **Notification Subject:**

CCB 5084 Final Notice: Qualification of MPHL as an additional final test site for selected ATSAMD11D14xx, ATSAMD10D13xx, ATSAMD10D14xx, ATSAMD09D14xx, ATMPS001D14xx and NI32D14 device families available in 24L VQFN (4x4x0.9mm) package.

### **Affected CPNs:**

LIAL-16EKMP130 Affected CPN 07072022.pdf LIAL-16EKMP130\_Affected\_CPN\_07072022.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 an additional final test site for selected ATSAMD11D14xx, ATSAMD10D13xx, ATSAMD10D14xx, ATSAMD09D14xx, ATMPS001D14xx and NI32D14 device families available in 24L VQFN (4x4x0.9mm) package.

### **Pre and Post Change Summary:**

		Pre Change	ost Change		
Final <sup>-</sup>	Test Site	ASE Test (ASE9)	ASE Test (ASE9)	Microchip Technology Operations (Philippines) Corporation (MPHL)	
Base	Tray	490	490	490	
Quantity Multiple (BQM)	Tape and Reel	6000	6000	6000	
Pin 1	Tray	Near tray chamfer	Near tray chamfer	Near tray chamfer	
orientation	Tape and Reel	Quadrant 2	Quadrant 2	Quadrant 2	
	Color	White	White	White	
Reel	Dimension	Minor dimensional changes. See attached pre and post cha comparison.			
Carrier Tape		No dimensional	changes. See attach comparison.	ed pre and post change	

### Impacts to Data Sheet:None

### **Change Impact**None

**Reason for Change:**To improve on-time delivery performance by qualifying MPHL as an additional final test site.

### **Change Implementation Status:**In Progress

Estimated First Ship Date:July 20, 2022 (date code: 2230)

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

### Time Table Summary:

	May 2022				>		Ju	ly 20	22		
Workweek	1	2	2	2	2		27	28	29	30	31
VVOIKWEEK	9	0	1	2	3		27	20	29	30	21
Initial PCN Issue											
Date			Х								
Qual Report											
Availability								Х			
Final PCN Issue								Х			

Date						
Estimated						
Implementation					х	
Date						

Method to Identify Change:Traceability code

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

**Revision History:**May 20, 2022: Issued initial notification.

July 7, 2022: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on July 20, 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\_LIAL-16EKMP130\_Qual\_Report.pdf PCN\_LIAL-16EKMP130\_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 <u>PCN</u> home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the <u>PCN FAQ</u> 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 #: LIAL-16EKMP130** 

**Date March 22, 2022** 

Qualification of MPHL as an additional final test site for selected ATSAMD11D14xx, ATSAMD10D13xx, ATSAMD10D14xx, ATSAMD09D14xx, ATMPS001D14xx and NI32D14 device families available in 24L VQFN (4x4x0.9mm) package.

**Purpose:** Qualification of MPHL as an additional final test site for selected ATSAMD11D14xx,

ATSAMD10D13xx, ATSAMD10D14xx, ATSAMD09D14xx, ATMPS001D14xx and

NI32D14 device families available in 24L VQFN (4x4x0.9mm) package.

**CCB No.:** 5084

Test / Evaluation	Test Conditions / Parameters	Results
Bin Comparison		
Yield Comparison	3,000 units matching to 0.1% yield and 33 (10% correlated) units of parametric data comparison	PASSED
Parametric Comparison		

# CCB 5084 Pre and Post Change Summary PCN #: LIAL-16EKMP130



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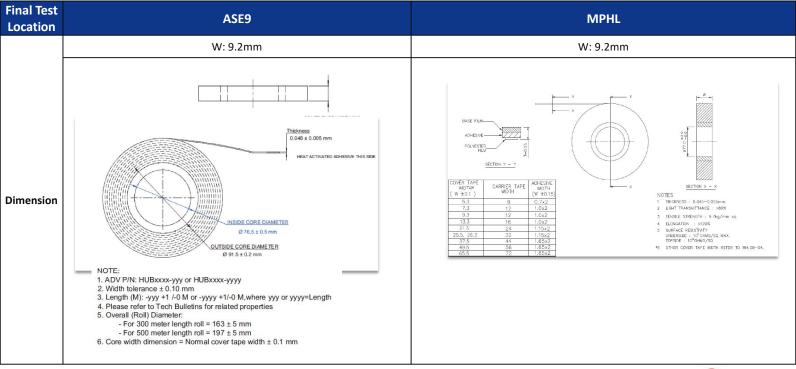


## **Pre and Post Change: Tape and Reel**

Final Test Location	ASE9	MPHL
BQM (Base Quantity Multiple)	6000	6000
MSL Level	3	3
Pin1 Orientation	Quadrant 2  3-(B)  No. 100 Proper  Proper  Appendix No. 100 Proper  App	Quadrant 2  3-(B)  TENE STATE OF THE STATE O
Carrier Tape	W: 12 mm P1: 8 mm A0: 4.25 mm B0: 4.25 mm K0: 1.1 mm	W: 12 mm P1: 8 mm A0: 4.25 mm B0: 4.25 mm K0: 1.1 mm



## **Pre and Post Change: Cover Tape**



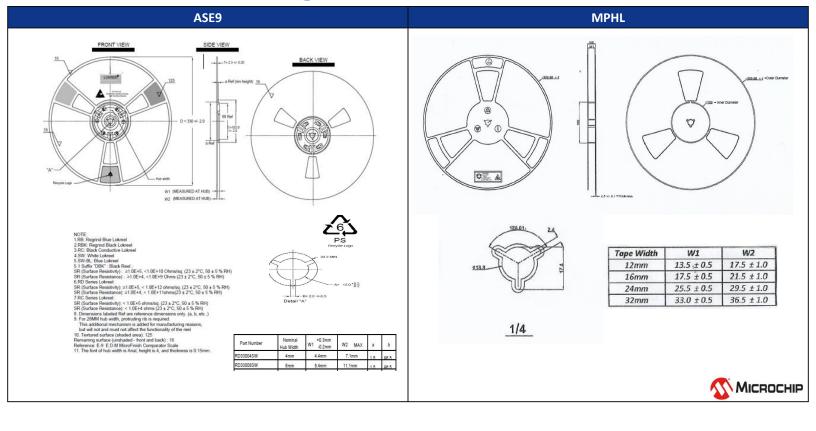


## **Pre and Post Change: Reel**

Final Test Location	ASE9	MPHL
Dimension	D: 330 mm Hub: 102mm	D: 330 mm Hub: 100mm
Color	White	White
Photo		



## **Pre and Post Change: Reel**



## Pre and Post Change: Tape and Reel - Antistatic Shielding Bag / Moisture Barrier Bag

ASE9	MPHL
Dimension: 450mm x 420mm x 0.18mm	Bag Size: 406 x 457 mm
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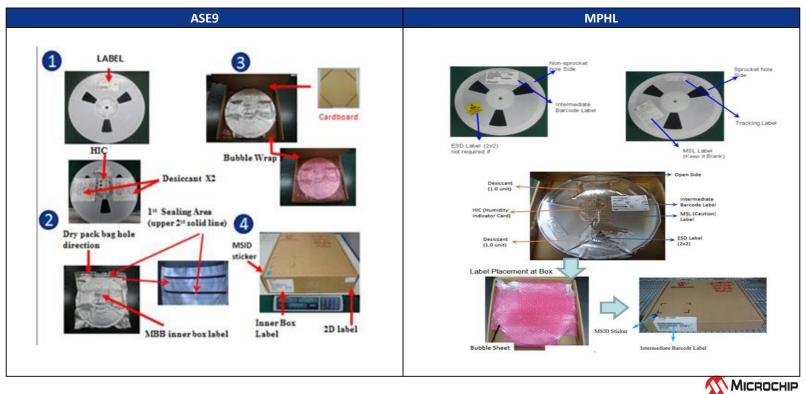


## **Pre and Post Change: Tape and Reel**

Final Test Location	ASE9	MPHL
Desiccant	THE CASE OF THE PARTY OF THE PA	SOUTHAND SOU
	2 units x 2 Per MBB bag	2 pcs of 1 unit desiccant per bag
HIC	HUMIDITY INDICATOR Comprises with IRCAEDEC JATI 2038  LEVEL 2 PARTS Bake parts if 60% is NOT brown LEVEL 2A- SA PARTS Bake parts if 10% is NOT brown in pale-green HUMISCOOP® ITEM NO. ASS110 COBALT DICHLORIDE FREE initial Use: Do not put this card into a bag if 60% is pale-green.	5% 10% LEVEL 2A-5A PARTS Eleberate it 10% IS NOT BROWN and IN 18 AZURE DOU YEE ENTERPRISES BROWN-DRY AZURE-WET COBALT FREE HIMMOTY NOD CART OR AND AVOID METAL CONTACT AVOID METAL CONTACT COMPLIES WITH IPOLIEDEC-HITDOIS H16 5 4 3 2.



### **Pre and Post Change: Tape and Reel Packing Method**

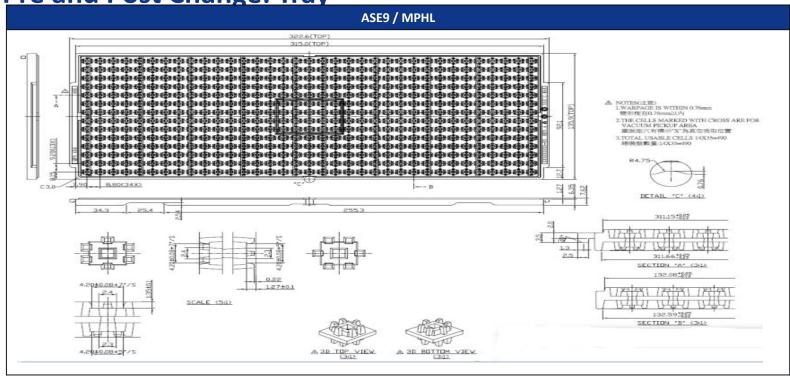


## **Pre and Post Change: Tray**

Final Test Location	ASE9	MPHL
BQM (Base Quantity Multiple)	490	490
MSL Level	3	3
Pin1 Orientation	1-(D) FIG-1  Package PPN 1  Near Tray Chamfer	1-(D) Package Pent I Package Pent I Near Tray Chamfer
Tray	Tray Length qty: 35 Tray Width qty: 14 Pocket on Tray: 490 (BQM) Tray Stack: 10 + 1 (10 + Cover)	Tray Length qty: 35 Tray Width qty: 14 Pocket on Tray: 490 (BQM) Tray Stack: 10 + 1 (10 + Cover)



**Pre and Post Change: Tray** 

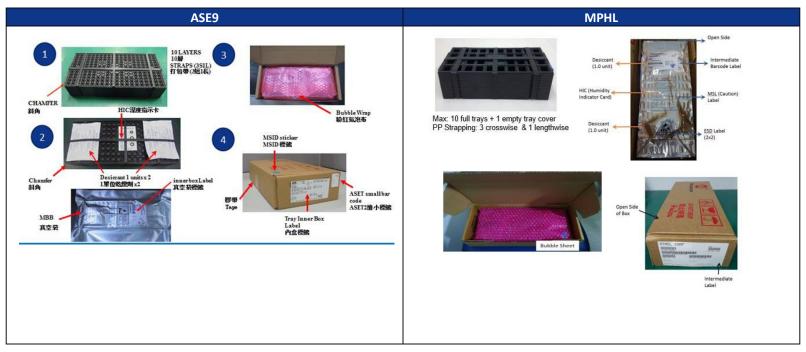




## **Pre and Post Change: Tray**

Final Test Location	ASE9	MPHL
Antistatic Shielding Bag / Moisture Barrier Bag	570mmX300mmX0.18mm	229mm x 483mm
Desiccant	UNITERAL DESCRIPTION OF THE PROPERTY OF THE PR	2 units of 1unit desiccant
Вох	MICROCHIP DONOTOROP 禁止详落 扩加证据	MICROCHIP DO NOT THOM SHE HERE WITH MICROCHIA STATEMENT AND SHE HERE WITH MICROCHIA SHE W

## **Pre and Post Change: Tray Packing Method**





### LIAL-16EKMP130 - CCB 5( ATSAMD1( ATSAMD1( ATSAMD0! ATMPS001D14xx and NI32D14 device familie

### Affected Catalog Part Numbers(CPN)

ATSAMD11D14A-MU

ATSAMD10D13A-MNT

ATSAMD10D14A-MNT

ATSAMD11D14A-MNT

ATSAMD11D14A-MUT

ATSAMD10D14A-MUT

ATSAMD10D13A-MUT

ATSAMD09D14A-MUT

ATSAMD10D14A-MUTB5

ATMPS001D14A-MUT

ATMPS001D14A-MUTA01

NI32D14-MUT

ATSAMD11D14A-MUTN03