

Product Change Notification / LIAL-16EKMP130

Date:			

20-May-2022

Product Category:

32-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5084 Initial 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_05202022.pdf LIAL-16EKMP130_Affected_CPN_05202022.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 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	Post Change		
			ASE Test	Microchip Technology	
Final ⁻	Test Site	ASE Test	7.02 7.000	Operations	
		(ASE9)	(ASE9)	(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 change comparison.			
Carrier Tape		No dimensional changes. See attached pre and post change comparison.			
Cover Tape		No dimensional changes. See attached pre and post change comparison.			
Tray		No dimensional changes. See attached pre and post change comparison.			
Packing	g Method	See attached pre and post change comparison.			

Impacts to Data Sheet:None

Change ImpactNone

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

Change Implementation Status:In Progress

Estimated Qualification Completion Date:June 2022

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:

		May	2022	2		Jur	ne 20)22	
Maril and	1	2	2	2	2	2	2	2	2
Workweek	9	0	1	2	3	4	5	6	7
Initial PCN Issue									
Date			Х						
Qual Report									
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:May 20, 2022: 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_LIAL-16EKMP130_Qual Plan.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 PLAN 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
Bin Comparison	
Yield Comparison	3,000 units matching to 0.1% yield and 33 (10% correlated) units of parametric data comparison
Parametric Comparison	

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



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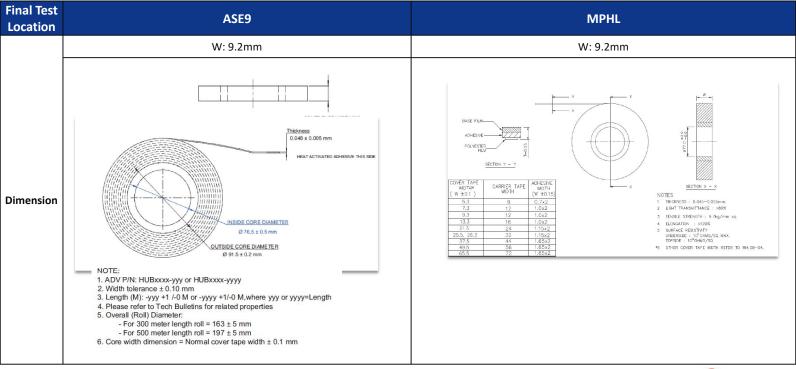


Pre and Post Change: Tape and Reel

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



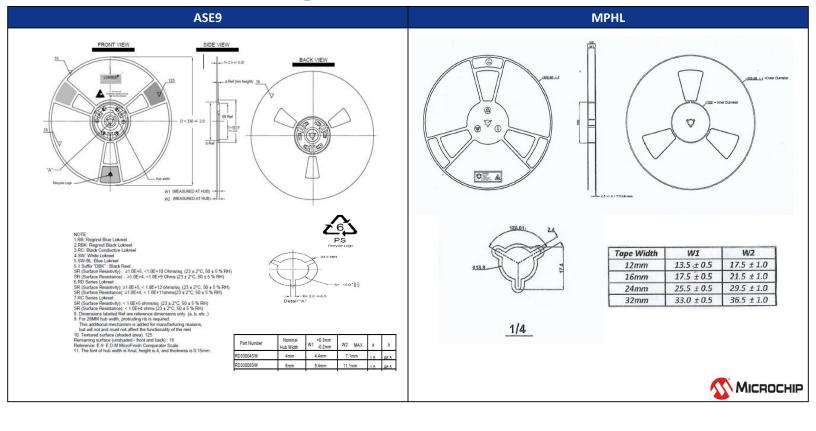


Pre and Post Change: Reel

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	NOTAL STATE OF THE PARTY OF THE		
	2 units x 2 Per MBB bag	2 pcs of 1 unit desiccant per bag		
HIC	HUMIDITY INDICATOR Comprise with IRC/EDEC JS/TD/5038 LEVEL 2 PARTS Bake parts if 80% 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% E0% LINES 2.4-5A PARTS LINES 10% LINES 2.4-5A PARTS LINES DOU YEE ENTERPRISES BROWN-DRY AZURE-WET CORALIT FREE HIMMOTY INDICATOR CAND ANOID METER HIMMOTY INDICATOR CAND ANOID METER HIMMOTY INDICATOR CAND COMPLES WITH IPOLIEDEC-HITDOIS H16 5 4 3 2.		



Pre and Post Change: Tape and Reel Packing Method

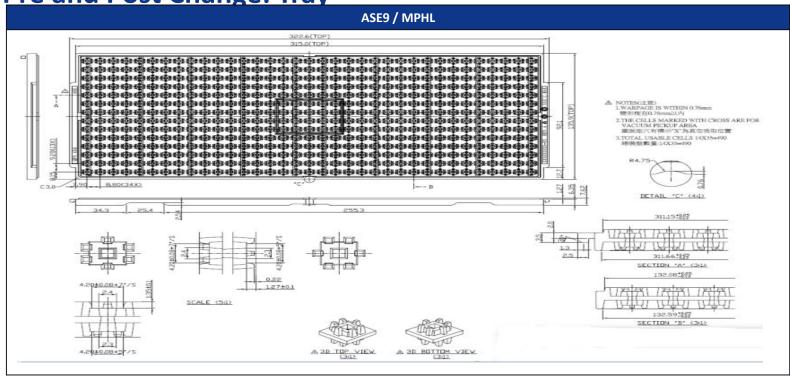


Pre and Post Change: Tray

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 PRN 1 Charter In Package PRN 1 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





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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