

Product Change Notification - KSRA-22BGIU893

Date:

06 Apr 2020

Product Category:

8-bit Microcontrollers

Affected CPNs:

Notification subject:

CCB 4038 Final Notice: Qualification of MPHL as a new final test site for selected Atmel ATTINY16x7, ATTINY8x7, ATTINY417 and ATTINY3217 device families available in 24L QFN (4x4x0.9mm) packages.

Notification text:
PCN Status:

Final notification

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change:

Qualification of MPHL as a new final test site for selected Atmel ATTINY16x7, ATTINY8x7, ATTINY417 and ATTINY3217 device families available in 24L QFN (4x4x0.9mm) packages.

Pre Change:

Tested at ASCL final test site

Post Change:

Tested at MPHL final test site

Pre and Post Change Summary:

		Pre Change	Post Change
Final Test Site		ASE Group Chung-Li (ASCL)	Microchip Technology Operations (Philippines) Corporation (MPHL)
Base Quantity Multiple (BQM)	Tray	490 units per a tray	490 units per a tray
	Tape and Reel	6000 units per reel	6000 units per reel
Pin1 Orientation		Quadrant 1	Quadrant 1
Tray Dimension		135.9mm x 322.6mm	135.9mm x 322.6mm
Carrier Dimension		See attached Pre and Post comparison	
Plastic Reel Dimension		See attached Pre and Post comparison	
Other Packing Information		See attached Pre and Post comparison	

Impacts to Data Sheet:

None

Change Impact:

None



Reason for Change:

To improve on-time delivery performance by qualifying MPHL as new Final Test site.

Change Implementation Status:

In Progress

Estimated First Ship Date:

May 6, 2020 (date code: 2019)

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

Time Table Summary:

Workweek	January 2020					>	April 2020					May 2020				
	01	02	03	04	05		14	15	16	17	18	19	20	21	22	23
Initial PCN Issue Date				X												
Qual Report Availability							X									
Final PCN Issue Date							X									
Estimated First Ship 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:

January 24, 2020: Issued initial notification.

April 06, 2020: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on May 6, 2020.

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

Attachment(s):

[PCN_KSRA-22BGIU893_Qual_Report.pdf](#)

[PCN_KSRA-22BGIU893_Pre_and_Post_Change_Summary.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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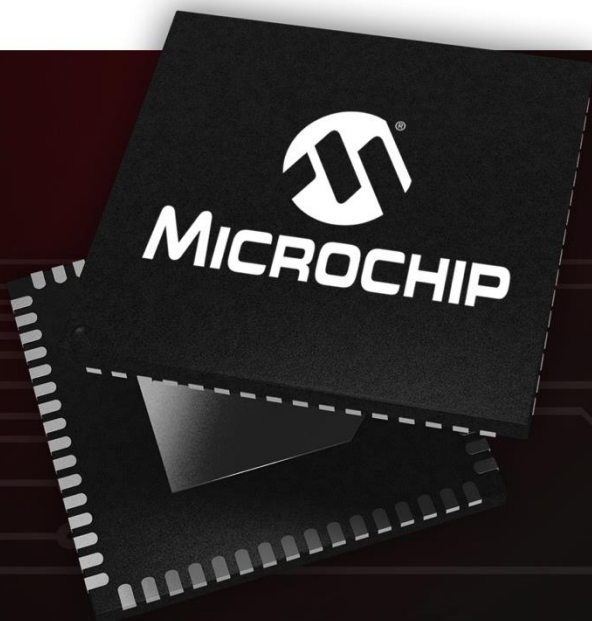
If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

ATTINY1607-MNR
ATTINY807-MNR
ATTINY1607-MFR
ATTINY807-MFR
ATTINY1617-MNR
ATTINY1617-MFR
ATTINY817-MNR
ATTINY417-MNR
ATTINY817-MFR
ATTINY417-MFR
ATTINY3217-MNR
ATTINY3217-MFR
ATTINY1607-MF
ATTINY807-MF
ATTINY1607-MN
ATTINY807-MN
ATTINY1617-MF
ATTINY1617-MN
ATTINY417-MF
ATTINY817-MF
ATTINY417-MN
ATTINY817-MN
ATTINY3217-MF
ATTINY3217-MN



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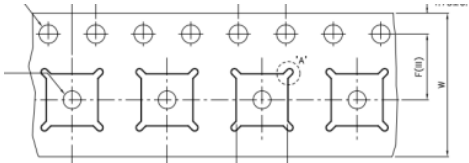
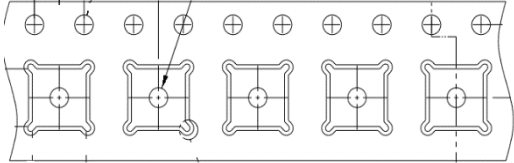
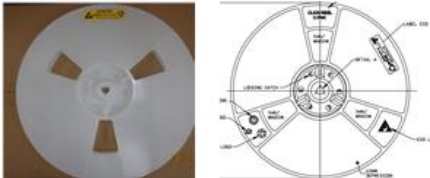
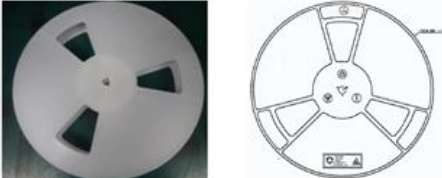


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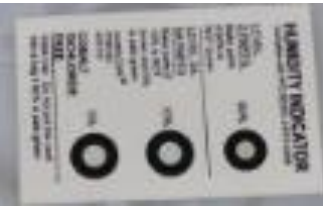







CCB 4038_ Pre and Post Change Summary
PCN# KSRA-22BGIU893





Pre and Post Change - REEL

	Pre Change					Post Change				
Final Test Site	ASCL					MPHL				
Base Quantity Multiple (BQM)	6000 units per reel					6000 units per reel				
Pin1 Orientation	Quadrant 1					Quadrant 1				
Carrier Tape	Width	Pitch	A0	B0	K0	Width	Pitch	A0	B0	K0
	12.15 mm	8.00 mm	4.30 mm	4.30 mm	1.10 mm	12.0 ±0.3 mm	8.00 ±0.1 mm	4.35 ±0.1 mm	4.35 ±0.1 mm	1.10±0.1 mm
										
Cover Tape	Width	Thickness	Adhesive width	Part No.	Method	Width	Thickness	Adhesive width	Part No.	Method
	9.3 ±0.1 mm	0.06 ±0.006 mm	1.0 ±0.15 mm	CP63	Heat Pressure	9.3 ±0.1 mm	0.05 ±0.005 mm	1.0 ±0.15 mm	CP58	Pressure
Reel	Color	Diameter	Hub Dia	W1	W2	Color	Diameter	Hub Dia	W1	W2
	White	330 mm	100 mm	12.4 mm	18.4 mm	White	330 mm	100 mm	13.5 +/-0.5 mm	17.5 +/-1 mm
										




Pre and Post Change - REEL

	Pre Change			Post Change		
Desiccant	Clay Dessicant 			Clay Dessicant 		
HIC	Cobalt Free 			Cobalt Free 		
Moisture Barrier Bag	Length			Length		
	544 mm			457 mm		
	Width			Width		
	425 mm			406 mm		
Pizza Box	Length	Width	Height	Length	Width	Height
	351 mm	372 mm	53 mm	353 mm	370 mm	77 mm
						

Pre and Post Change - TRAY

	Pre Change	Post Change
Final Test Site	ASCL	MPHL
Base Quantity Multiple (BQM)	490 units per tray	490 units per tray
Pin1 Orientation	Pin 1 Left-down	Pin 1 Left-down
Tray	For AMS/AMN packing: 4602409111	For AMS/AMN packing: 4602409111
Desiccant		Clay Desiccant 
HIC		Cobalt Free 

Pre and Post Change - TRAY

	Pre Change			Post Change			
Moisture Barrier Bag	Length				Length		
	510 mm				483 mm		
	Width				Width		
	300 mm				228 mm		
Pizza Box	Length	Width	Height	Length	Width	Height	
	371 mm	162 mm	88 mm	371.5 mm	162 mm	88 mm	
							



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QUALIFICATION REPORT SUMMARY

PCN #: KSRA-22BGIU893

Date

March 26, 2020

Qualification of MPHL as a new final test site for selected Atmel ATTINY16x7, ATTINY8x7, ATTINY417 and ATTINY3217 device families available in 24L QFN (4x4x0.9mm) packages.

Purpose: Qualification of MPHL as a new final test site for selected Atmel ATTINY16x7, ATTINY8x7, ATTINY417 and ATTINY3217 device families available in 24L QFN (4x4x0.9mm) packages.

CCB No.: 4038

Test / Evaluation	Test Conditions / Parameters	Remarks / Results
Datalog / Bin Comparison	<ul style="list-style-type: none">• Compare test numbers, test names, test limit, test sequence, bin assignments & pass/fail results.• Accept if all match or justify the differences	PASSED
Site by site verification	<ul style="list-style-type: none">• Verifies the channel map has the correct site assignments and tester/handler communication work correctly	PASSED
Parametric Correlation	<ul style="list-style-type: none">• 50 units of parametric data comparison	PASSED
Yield Comparison	<ul style="list-style-type: none">• Yield at each step and reject analysis between systems. 3K units are tested.• Accept on yield difference within 0.1%	PASSED