

Product Change Notification / NTDO-06UCYA969

	Pre Change	Post Change								
Pre and Post Change Summary:										
Description of Change: Qualification of MTAI as an additional final test site for selected Atmel ATTINY212, ATTINY402 and ATTINY412 device families available in 8L SOIC (.150in) package.										
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)										
PCN Type:Manufacturing Cha	nge									
PCN Status:Final Notification										
Notification Text:										
	NTDO-06UCYA969_Affected_CPN_01262022.pdf NTDO-06UCYA969_Affected_CPN_01262022.csv									
Affected CPNs:										
CCB 3547.004 Final Notice: Qualification of MTAI as an additional final test site for selected Atme ATTINY212, ATTINY402 and ATTINY412 device families available in 8L SOIC (.150in) package.										
Notification Subject:										
Manufacturing Change										
PCN Type:										
8-bit Microcontrollers										
Product Category:										
26-Jan-2022	26-Jan-2022									
Date:										

Final Test Site		Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Thailand (HQ) (MTAI)					
	uantity	Tube	100	100	100				
Multiple	Multiple (BQM) T/R		4000	4000					
Din 1 ori	Pin 1 orientation Tube		See pre	arison					
PIII I OII	entation	T/R	Quadrant 1	Quadrant 1					
	Carrier Tap	oe	No dimensional changes*						
	Cover Tap	e	With minor dimensional changes*						
Plastic	Dime	nsion	N	No dimensional changes*					
Reel	Reel Color		White	White White					
Desiccant			See attached Pre and Post comparison						
Carton Box			With dimensional changes*						
Pac	cking Met	hod	See attached Pre and Post comparison						

Impacts to Data Sheet:None

Change ImpactNone

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

Change Implementation Status:In Progress

Estimated First Ship Date: February 28, 2022 (date code: 2210)

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

Time Table Summary:

	December 2021			January 2022					February 2022						
Workweek	4	5	5	5	5	0	0	0	0	0	06	07	08	09	10

^{*} See attached Pre and Post Change comparison

	9	0	1	2	3	1	2	3	4	5			
Initial PCN Issue		, , ,											
Date		Х											
Qual Report										\ \ \			
Availability										Х			
Final PCN Issue										v			
Date										Х			
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:

December 9, 2021: Issued initial notification.

January 26, 2022: Issued final notification. Added tube Pin 1 orientation and desiccant information in the pre and post change summary. Added reel photo and desiccant information in the pre and post change summary attachment. Attached the Qualification Report. Provided estimated first ship date to be on February 28, 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_NTDO-06UCYA969_Qual_Report.pdf PCN_NTDO-06UCYA969_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 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.

NTDO-06UCYA969 - CCB 3547.004 Final Notice: Qualification of MTAI as an additional final test site for selected Atmel ATTINY212, ATTINY402 and ATTINY412 device families available in 8L SOIC (.150in) package.

Affected Catalog Part Numbers (CPN)

ATTINY212-SSF

ATTINY402-SSF

ATTINY412-SSF

ATTINY212-SSN

ATTINY402-SSN

ATTINY412-SSN

ATTINY212-SSNR

ATTINY412-SSNR

ATTINY402-SSNR

ATTINY402-SSFR

ATTINY412-SSFR

ATTINY212-SSFR

Date: Tuesday, January 25, 2022

CCB 3547.004

Pre and Post Change Summary PCN #: NTDO-06UCYA969

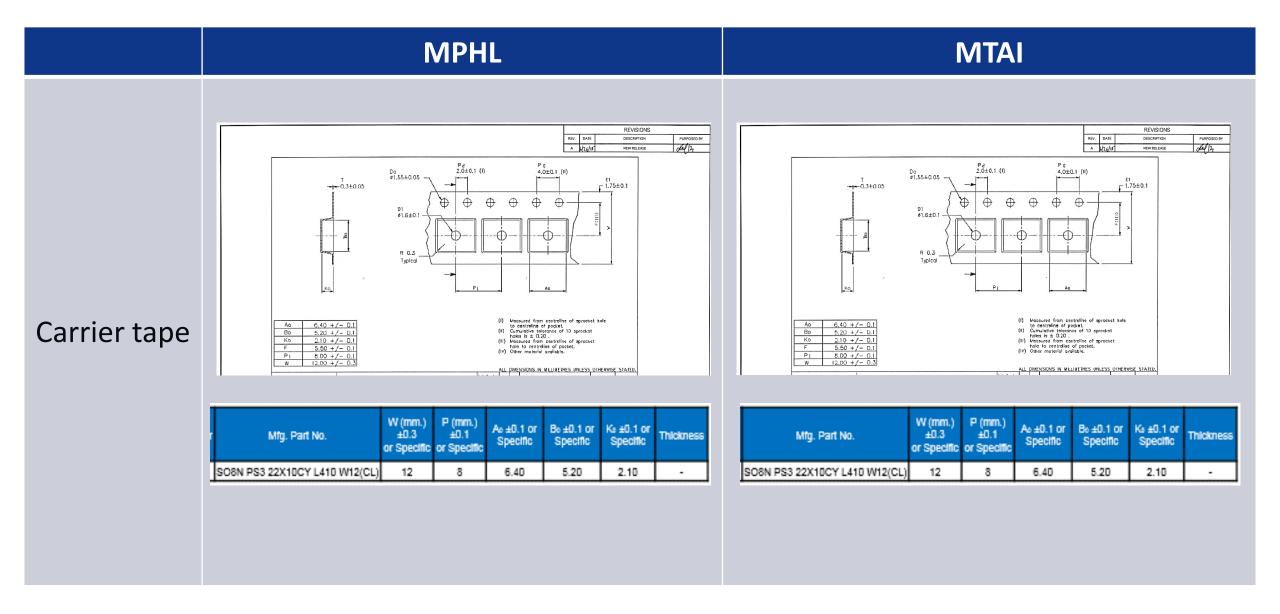


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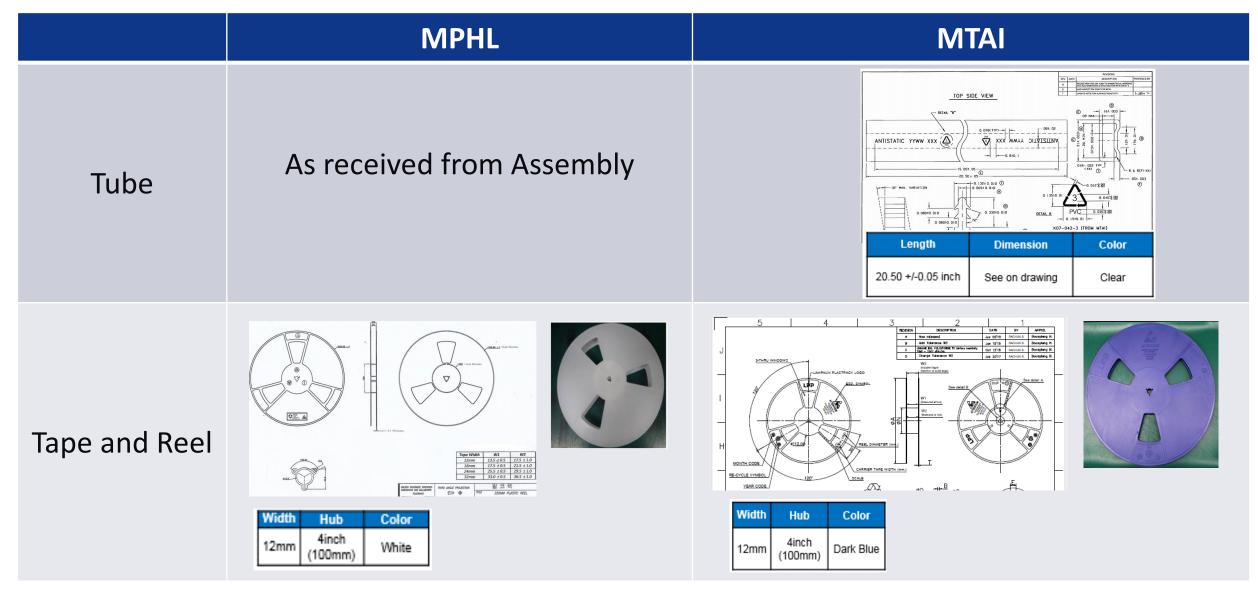


		MPHL	MTAI					
BQM	Tube	100	100					
DQIVI	Tape and Reel	4000	4000					
Pin 1	Tube	Media Pin1 Side Opposite Side TUBE White Black	Media Pin1 Side Opposite Side TUBE White Black					
Orientation	Tape and Reel	Media Pin1 Side T/R Carrier Tape Quadrant 1	Media Pin1 Side T/R Carrier Tape Quadrant 1					

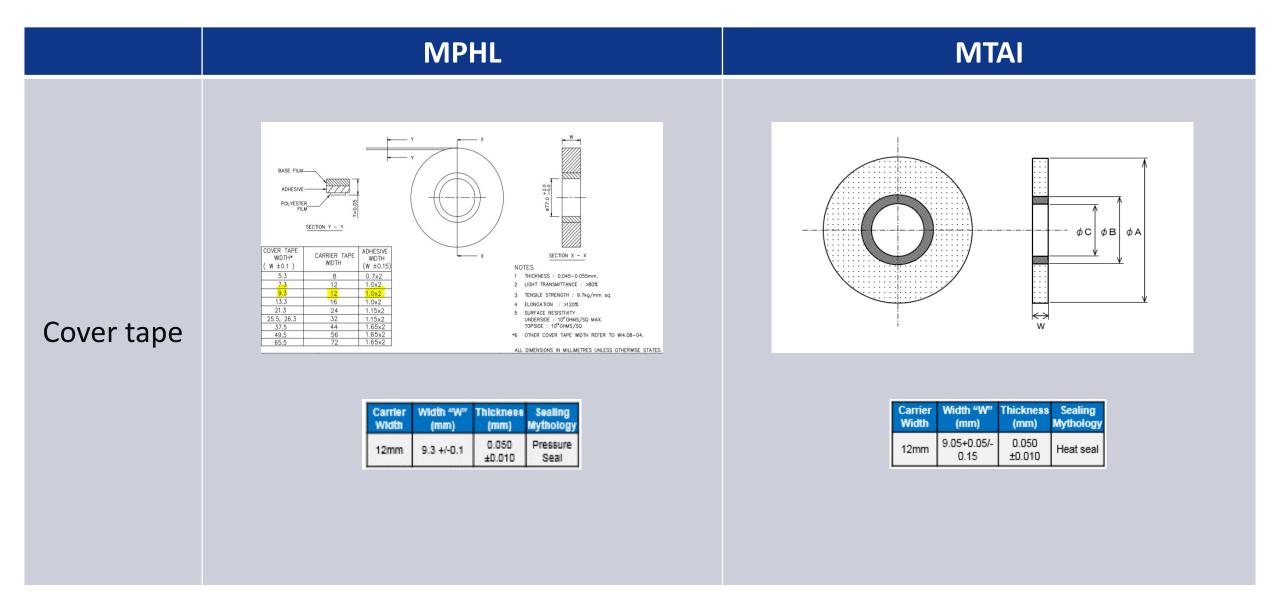




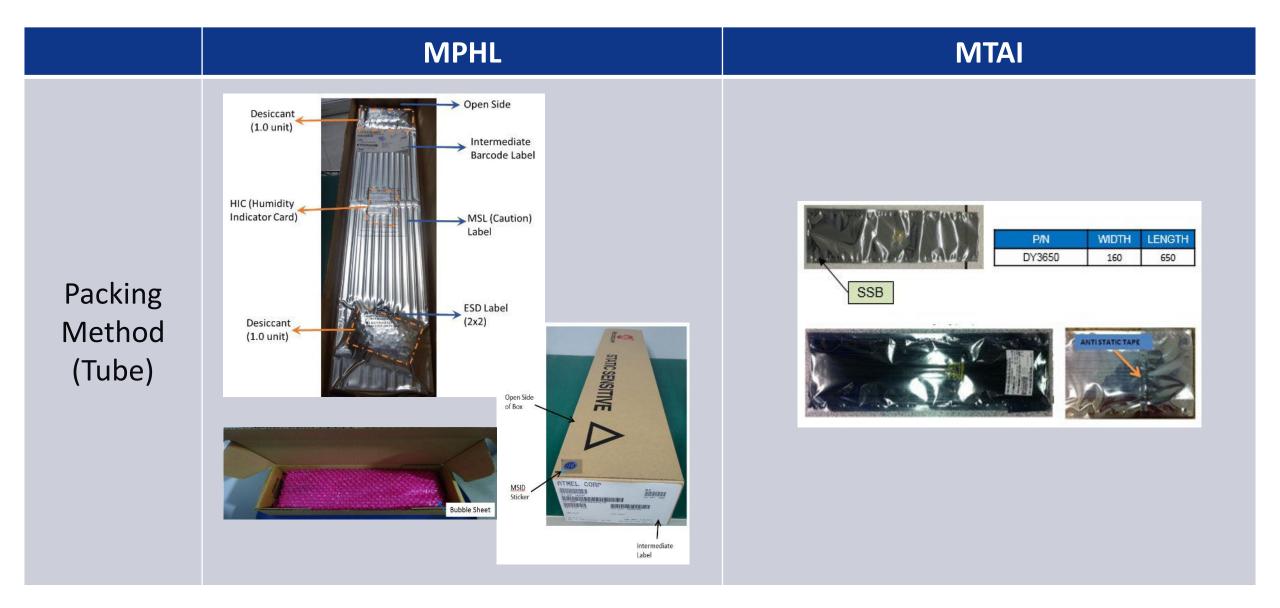




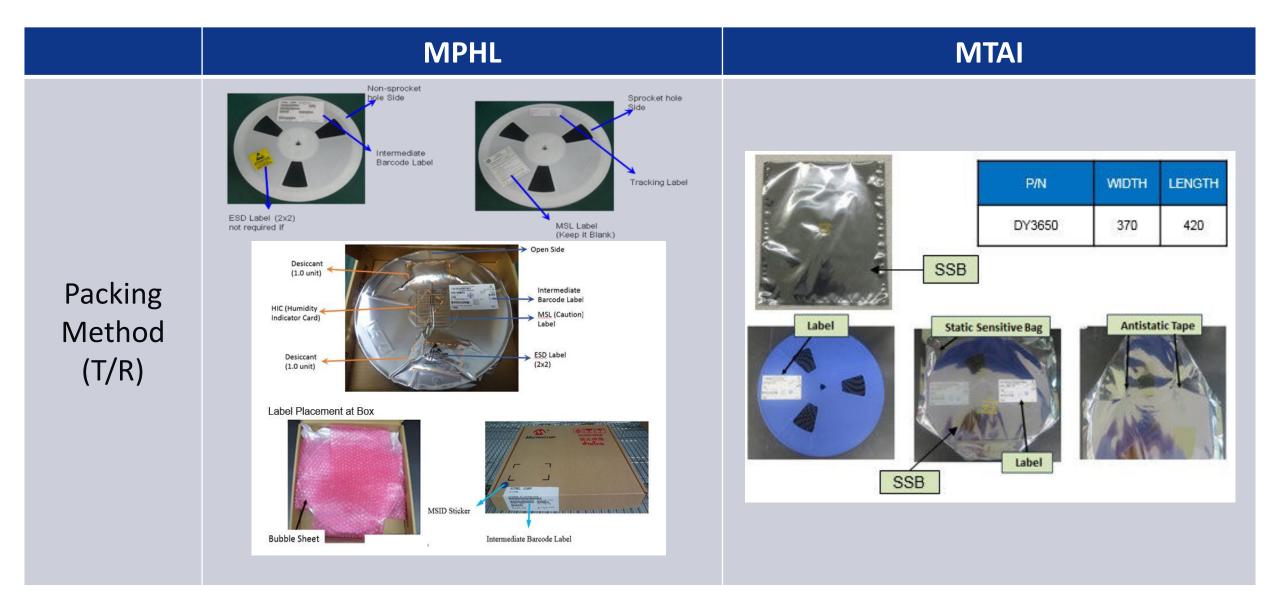




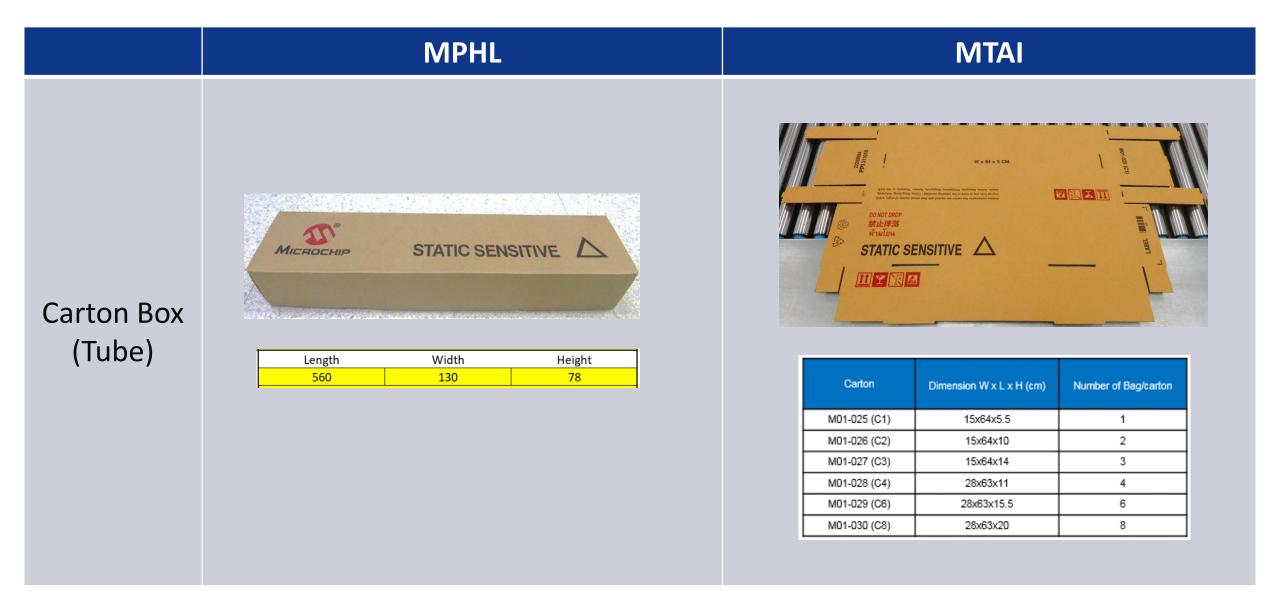








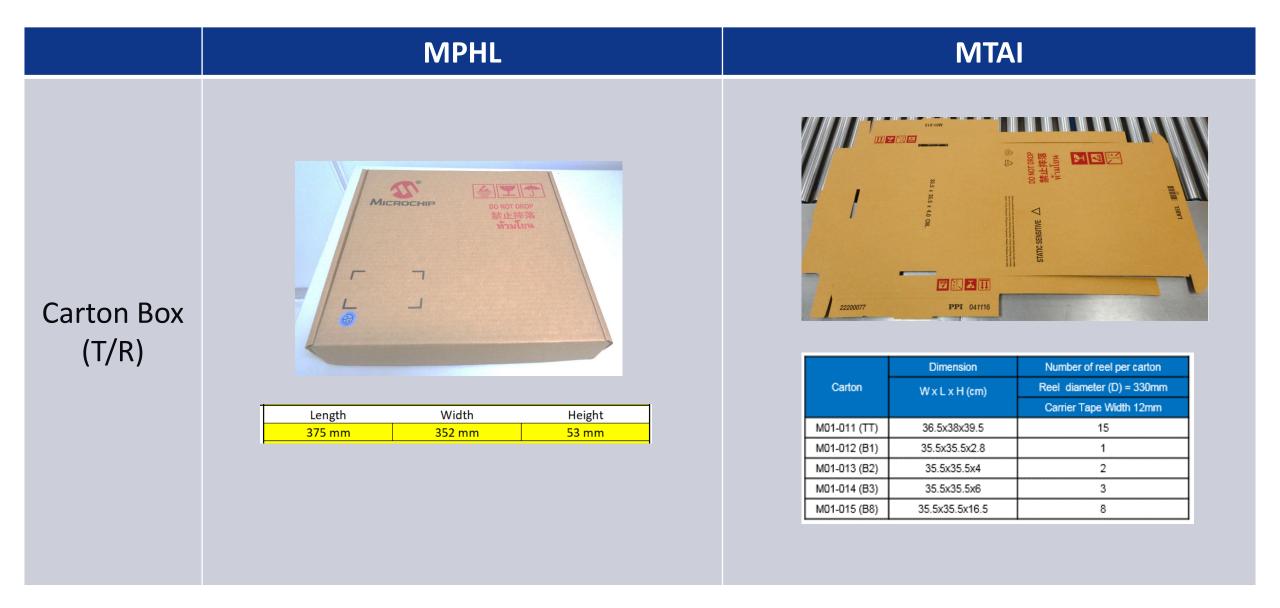






		MPHL	MTAI
Desiccant	Tube	1 unit desiccant Junior Robert 1	Not applicable
	T/R	1 unit desiccant Internal activity Intern	Not applicable









QUALIFICATION REPORT SUMMARY

PCN #: NTDO-06UCYA969

Date: January 06, 2022

Qualification of MTAI as an additional final test site for selected Atmel ATTINY212, ATTINY402 and ATTINY412 device families available in 8L SOIC (.150in) package.

Purpose: Qualification of MTAI as an additional final test site for selected Atmel ATTINY212,

ATTINY402 and ATTINY412 device families available in 8L SOIC (.150in) package.

CCB No.: 3547.004

Test / Evaluation	Test Conditions / Parameters	Results
Datalog/Bin Comparison	 Compare test numbers, test names, test sequence bin assignments & pass/fail results Accept if all match or justify the differences 	Passed
Site by site verification	 Verifies the channel map has the correct site assignments and tester/handler communications work correctly 	Passed
Correlation lot report	 Yield at each step and reject analysis between systems. 5K units are tested for each program conversion we perform. Accept on yield match within 0.1% 	Passed
Unit to unit parametric correlation	 A full assembly strip characterized on both systems and graphed vs each other & the data sheet limits 	Passed
Test stability verification	50 loop test performed with no datalog delaysAccept on 0 fails	Passed
Parametric test stability verification	 Use Real Time Statistics software to create CPK report of all parametric tests Accept on Cpk > 1.67 or explainable 	Passed