

	Pre Change	Post Change						
Pre and Post Change Summary:								
Description of Change: Qualification of MTAI as additional final test site for selected Atmel ATTINY212, ATTINY402 and ATTINY412 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 Change								
PCN Status:Initial Notification								
Notification Text:								
NTDO-06UCYA969_Affected_CPN_12092021.pdf NTDO-06UCYA969_Affected_CPN_12092021.csv								
Affected CPNs:								
CCB 3547.004 Initial Notice: Qualification of MTAI as additional final test site for selected Atmel ATTINY212, ATTINY402 and ATTINY412 families available in 8L SOIC (.150in) package.								
Notification Subject:								
Manufacturing Change								
PCN Type:								
8-bit Microcontrollers	8-bit Microcontrollers							
Product Category:								
09-Dec-2021								
Date:								
Product Change Notification / NTDO-06UCYA969								

Final Test Site		Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Thailand (HQ) (MTAI)			
Base Quant	-	Tube	Tube 100 100		100		
Multiple (BQM) T/R		4000	4000	4000			
Pin 1 orientation		Quadrant 1	Quadrant 1 Quadrant 1				
Carrier Tape			No dimensional changes*				
Cover Tape			With minor dimensional changes*				
Plastic	Dim	ension	No dimensional changes*				
Reel	Reel Color		White	White	Dark Blue		
Carton Box			With dimensional changes*				
Packing Method			See attached Pre and Post comparison				

Impacts to Data Sheet:None

Change ImpactNone

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

Change Implementation Status:In Progress

Estimated Qualification Completion Date:January 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:

	December 2021			January 2022					
NA/ a wlu u a a la	4	5	5	5	5	1	2	3	4
Workweek	9	0	1	2	3				

^{*} See attached Pre and Post Change comparison

Initial PCN Issue Date	x				
Qual Report Availability				х	
Final PCN Issue				Х	
Date					

Method to Identify Change:Traceability code

Qualification Plan: Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History: December 9, 2021: 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_NTDO-06UCYA969_Qual_Plan.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 <u>change your PCN profile</u>, <u>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.

NTDO-06UCYA969 - CCB 3547.004 Initial Notice: Qualification of MTAI as additional final test site for selected Atmel ATTINY212, ATTINY402 and ATTINY412 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: Thursday, December 09, 2021

CCB 3547.004

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

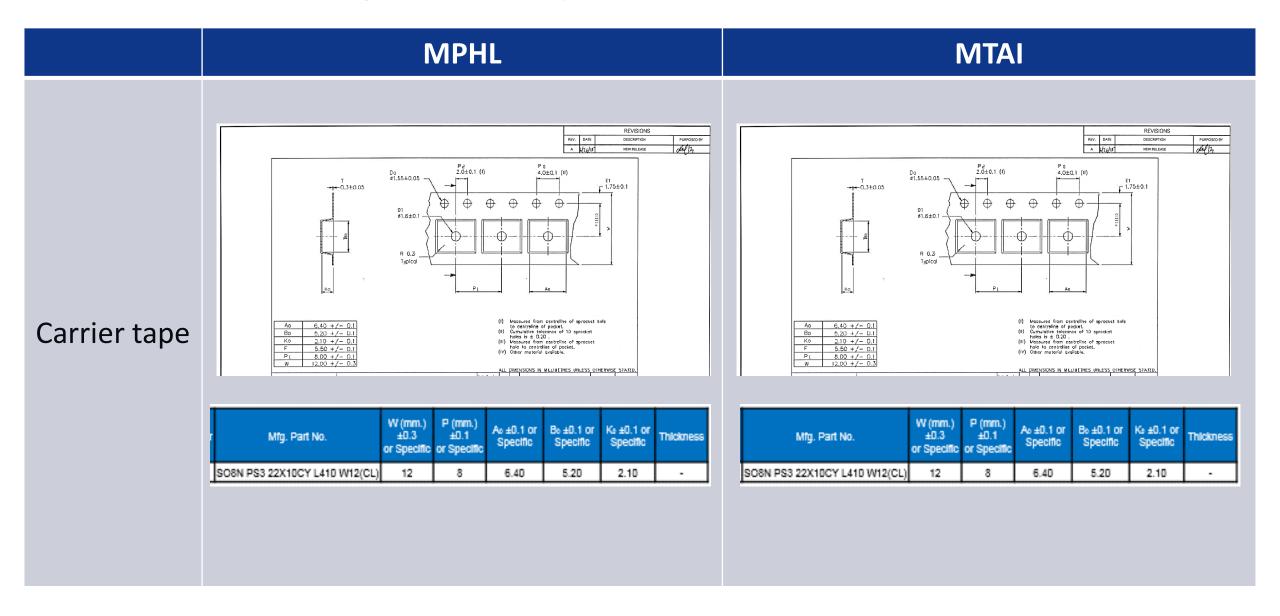


A Leading Provider of Smart, Connected and Secure Embedded Control Solutions

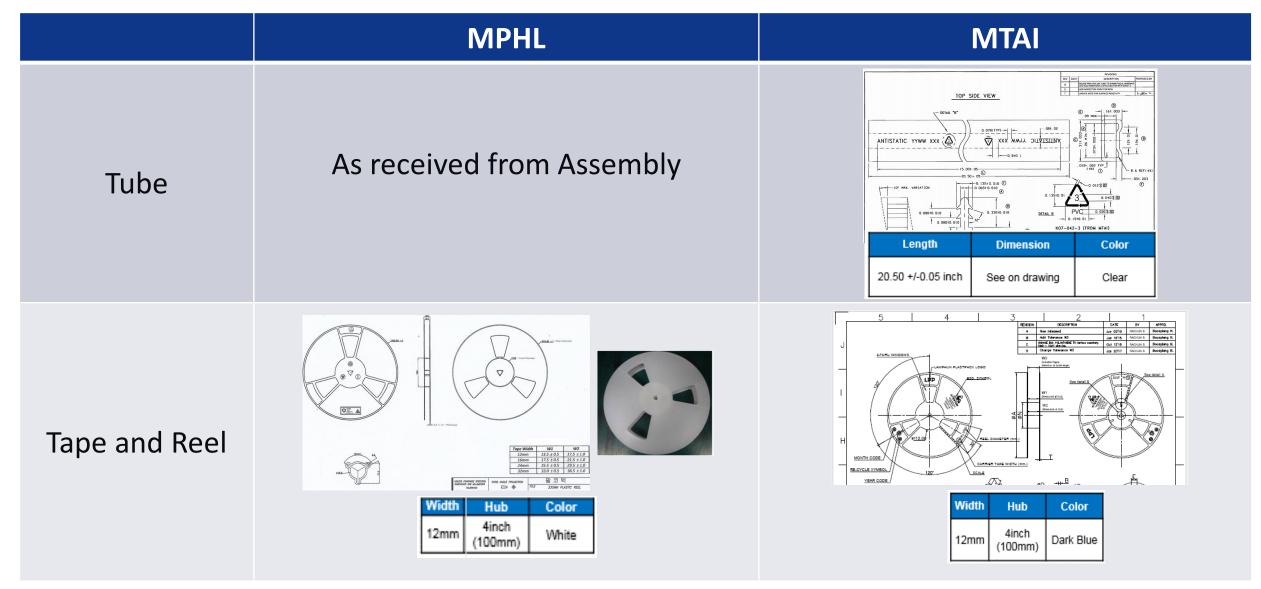


		MPHL	MTAI			
POM.	Tube	100	100			
BQM	Tape and Reel	4000	4000			
Pin 1	Tube	Media Pin1 Side Opposite Side TUBE White Black	Media Pin1 Side Opposite Side TUBE White Black			
Orientation	Tape and Reel	Media Pin1 Side T/R Carrier Tape Quadrant 1	Media Pin1 Side T/R Carrier Tape Quadrant 1			

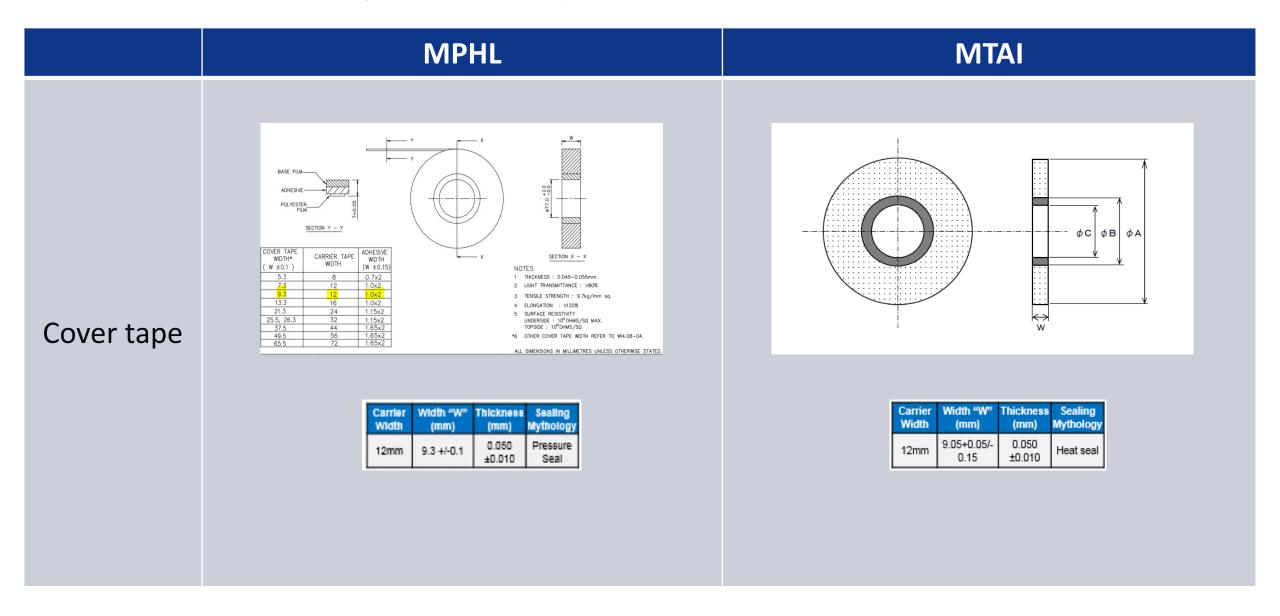




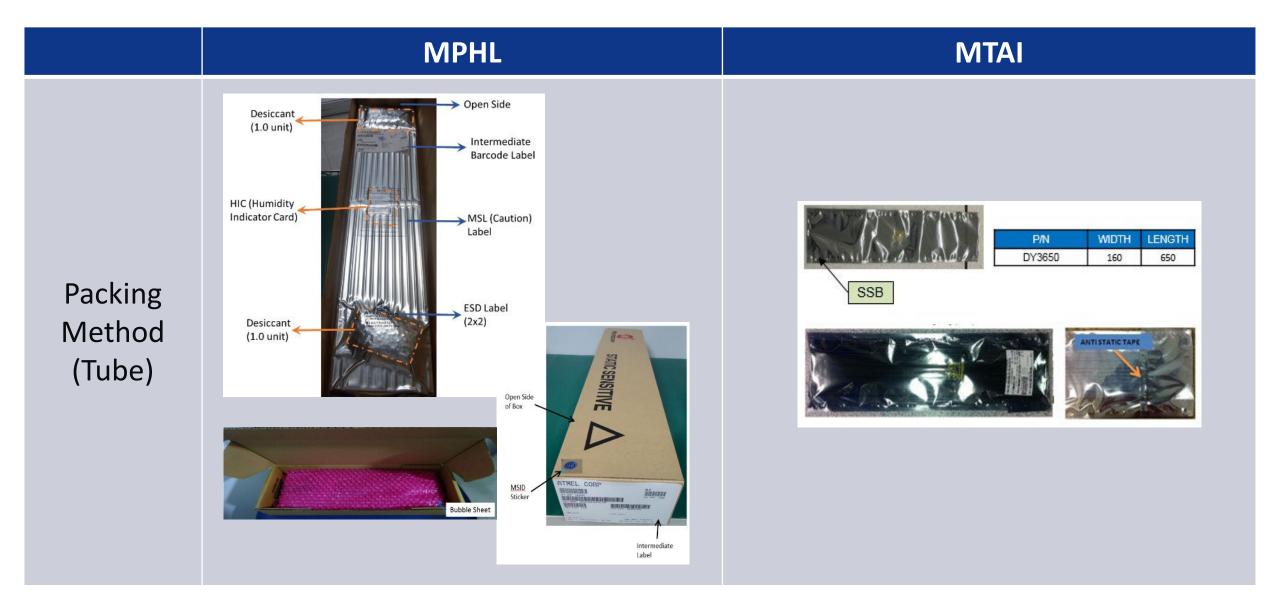




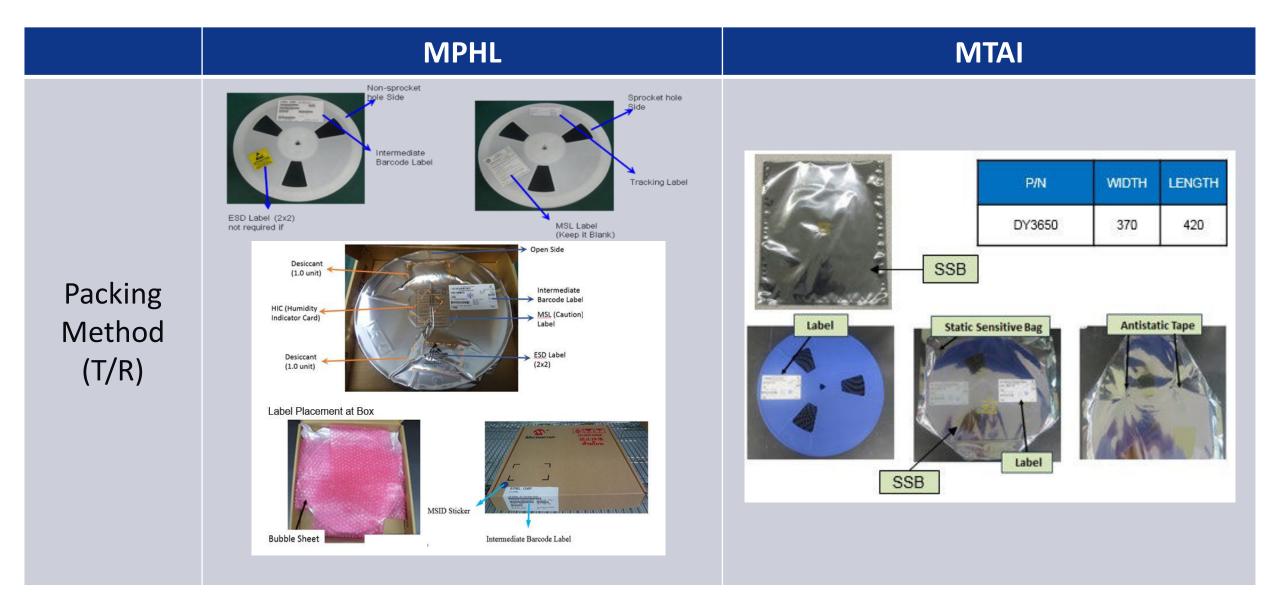




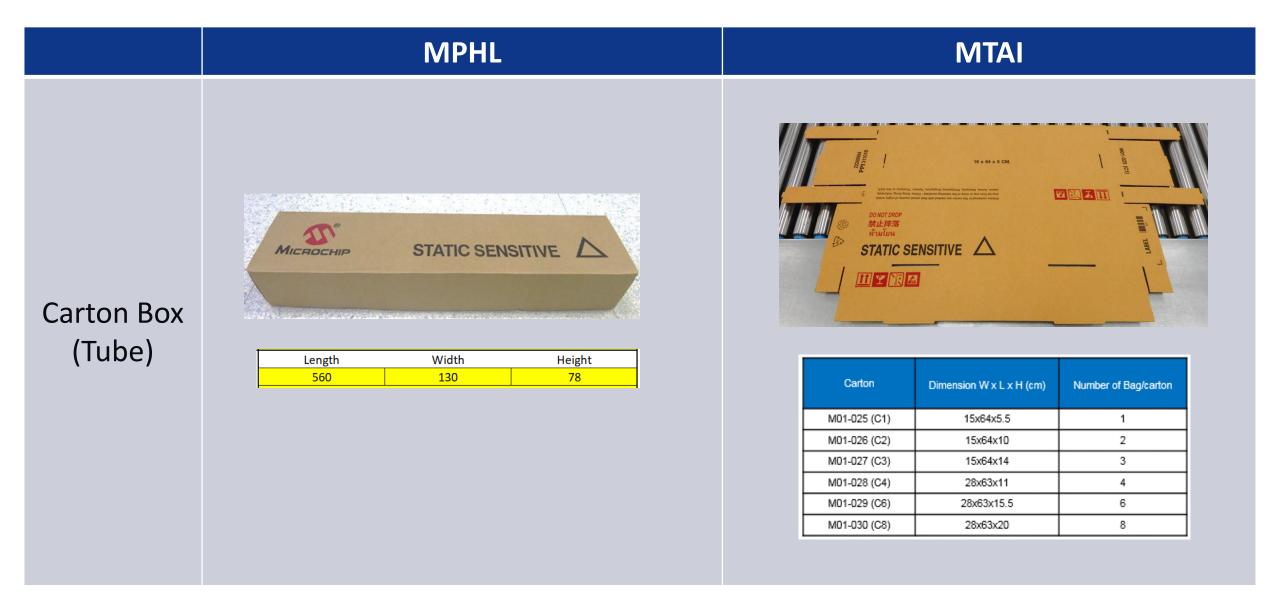




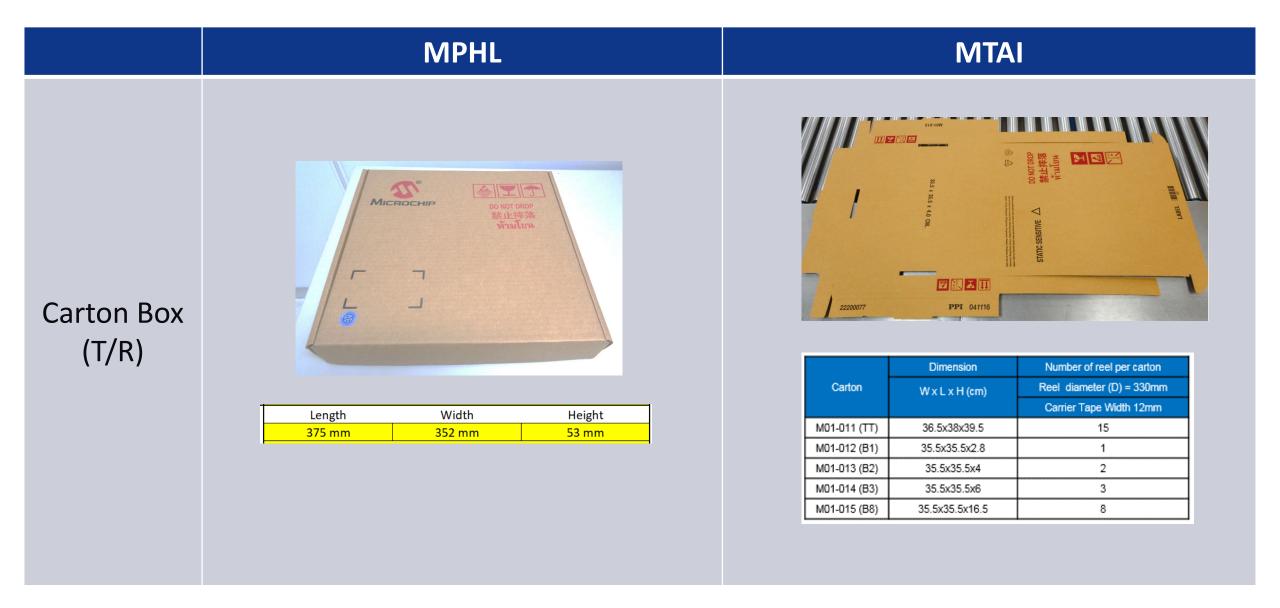
















QUALIFICATION PLAN SUMMARY

PCN #: NTDO-06UCYA969

Date: July 22, 2021

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

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

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

CCB No.: 3547.004

Test / Evaluation	Test Conditions / Parameters
Datalog/Bin Comparison	 Compare test numbers, test names, test sequence bin assignments & pass/fail results Accept if all match or justify the differences
Site by site verification	Verifies the channel map has the correct site assignments and tester/handler communications work correctly
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%
Unit to unit parametric correlation	A full assembly strip characterized on both systems and graphed vs each other & the data sheet limits
Test stability verification	50 loop test performed with no datalog delays
Parametric test stability verification	 Use Real Time Statistics software to create CPK report of all parametric tests Accept on Cpk > 1.67 or explainable