



## Product Change Notification / JAON-22RWTR531

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### Date:

29-Oct-2020

### Product Category:

Simple and Complex Programmable Logic

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 4251.001 Final Notice: Qualification of MTAI as an additional final test site for selected Atmel ATF1502AS, ATF1502ASL and ATF1504ASV device families available in 44L TQFP (10x10x1mm) package.

### Affected CPNs:

[JAON-22RWTR531\\_Affected\\_CPN\\_10292020.pdf](#)

[JAON-22RWTR531\\_Affected\\_CPN\\_10292020.csv](#)

### 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 MTAI as an additional final test site for selected Atmel ATF1502AS, ATF1502ASL and ATF1504ASV device families available in 44L TQFP (10x10x1mm) package.

#### Pre Change:

Tested at MPHL final test site

#### Post Change:

Tested at MPHL or MTAI final test site



**Method to Identify Change:** Traceability code

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

**Revision History:** October 29, 2020: Issued final 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\\_JAON-22RWTR531\\_Qual Report.pdf](#)

[PCN\\_JAON-22RWTR531\\_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 receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) 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.

Affected Catalog Part Numbers (CPN)

ATF1502AS-7AX44

ATF1502ASL-25AU44

ATF1502AS-10AU44

ATF1502AS-7AX44-T

ATF1502AS-10AU44-T

ATF1504ASV-15AU44

**CCB 4251.001**  
**Pre and Post Change Summary**  
**PCN# JAON-22RWTR531**



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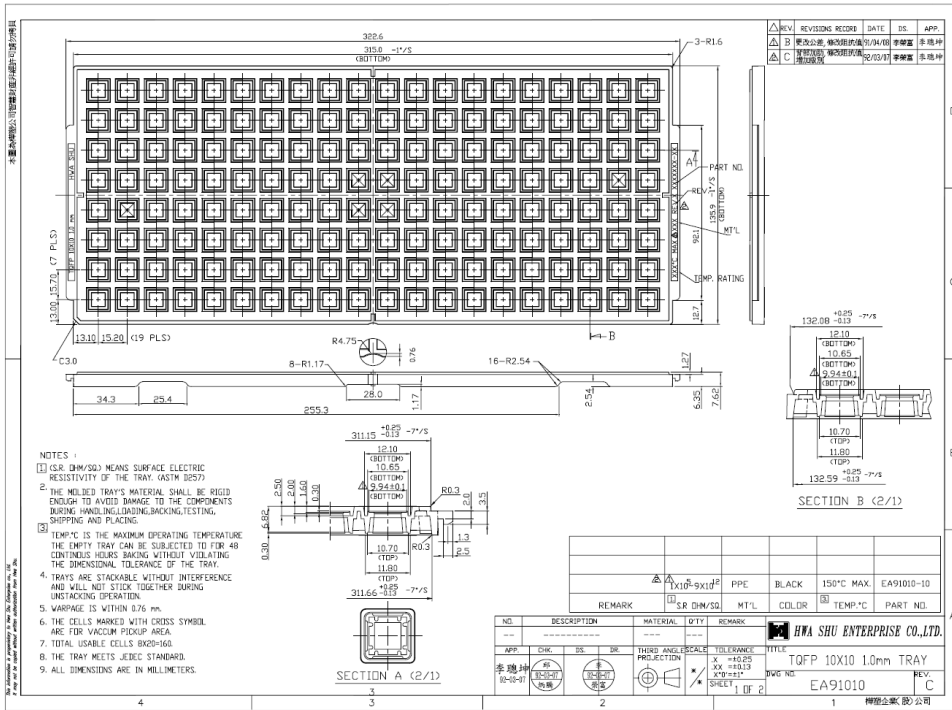
SMART | CONNECTED | SECURE

# Packing Information – BQM and Pin 1 Orientation

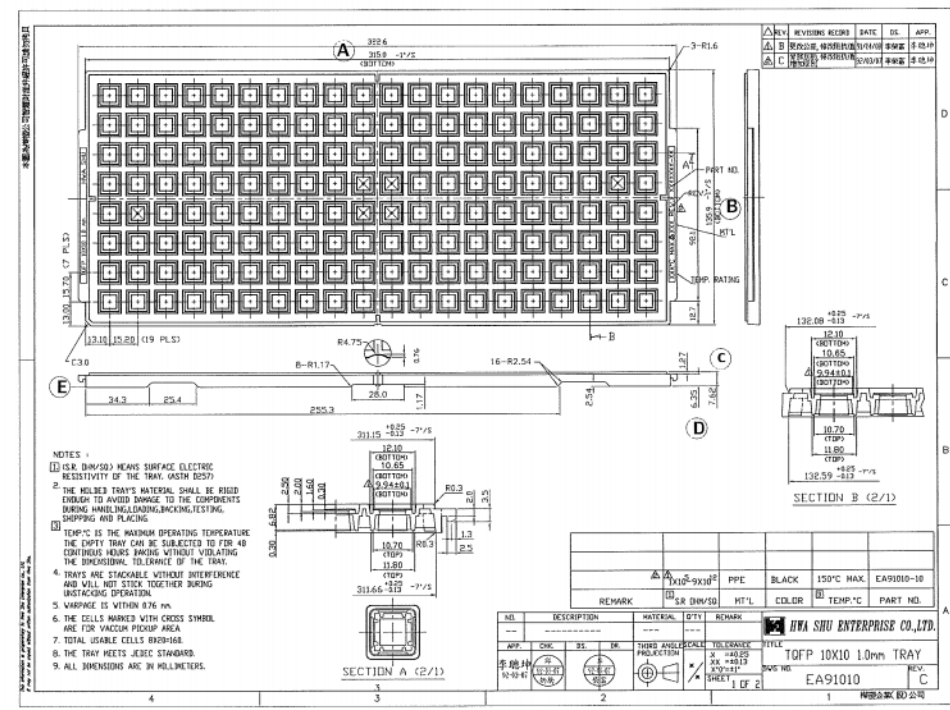
		Pre-Change	Post Change
<b>Final Test Location</b>		Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Thailand (HQ) (MTAI)
<b>Base Quantity Multiple (BQM)</b>	TRAY	160	160
	T/R	2000	2000
<b>Pin 1 Orientation</b>	TRAY	Tray Chamfer	Tray Chamfer
	T/R	Quadrant 1	Quadrant 1

# Packing Information – Tray Drawing

## MPHL



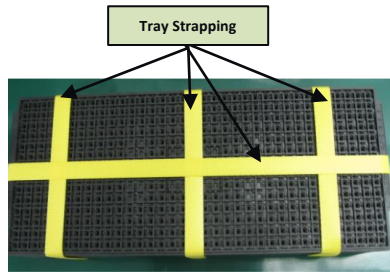
## MTAI



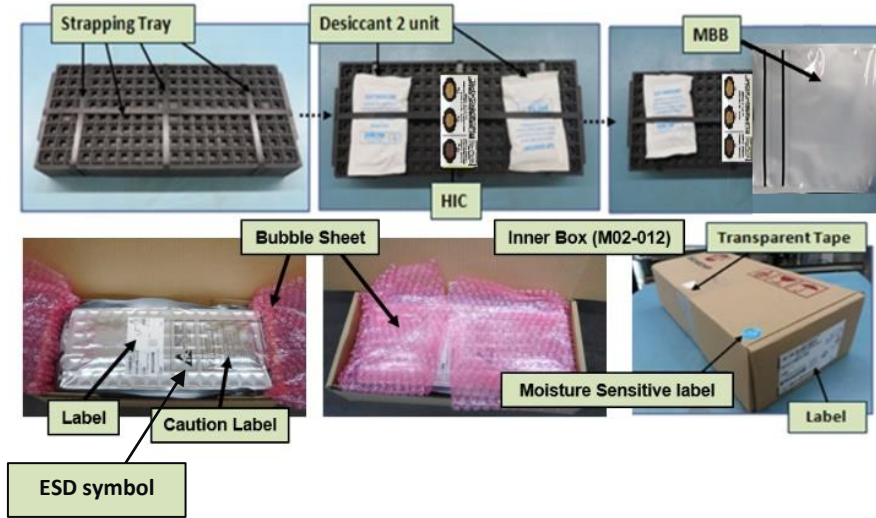
Plant	Pocket Pitch (X)	Pocket Pitch (Y)	Outer Pocket center to Tray edge (X)	Outer Pocket center to Tray edge (Y)	Bakeable Tray	Tray Matrix	Unit Per Tray	Tray Stack	Color
MPHL	15.20 mm	15.70 mm	13.10 mm	13.00 mm	Yes (150C MAX)	8x12	160	10+1	Black
MTAI	15.20 mm	15.70 mm	13.10 mm	13.00 mm	Yes (150C MAX)	8x12	160	10+1	Black

# Packing Information - Tray packing method

## MPHL



## MTAI



### Carton Box

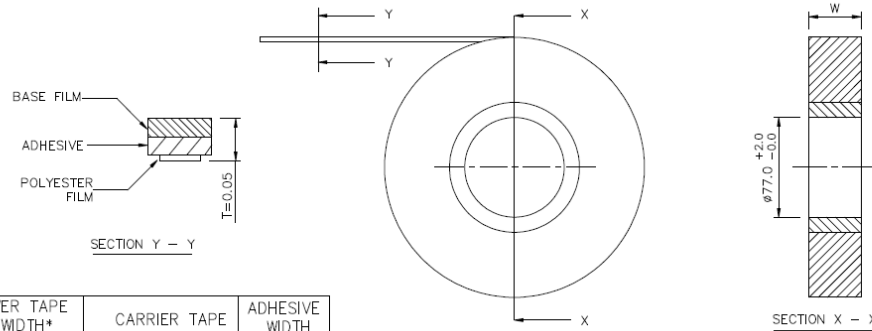
Drawing number	Dimension W x L x H (cm)	Carton		Number of Inner box(es) per carton
		Drawing number	Dimension W x L x H (cm)	
M02-012	16.2x37.1x8.8	M01-044 (SM)	37.0x38.0x11.0	2 : 1
		M01-045 (S4)	37.0x38.0x22.5	4 : 1
		M01-042 (Q4)	34.5x39.2x19.5	4 : 1
		M01-046 (S5)	37.0x39.0x39.0	8 : 1





# Packing Information - Cover Tape

## MPHL



COVER TAPE WIDTH* (W ±0.1)	CARRIER TAPE WIDTH	ADHESIVE WIDTH (W ±0.15)
5.3	8	0.7x2
7.3	12	1.0x2
9.3	12	1.0x2
13.3	16	1.0x2
21.3	24	1.15x2
25.5, 26.3	32	1.15x2
37.5	44	1.65x2
49.5	56	1.65x2
65.5	72	1.65x2

### NOTES

- 1 THICKNESS : 0.045-0.055mm.
- 2 LIGHT TRANSMITTANCE : >80%
- 3 TENSILE STRENGTH : 9.7kg/mm sq.
- 4 ELONGATION : >120%
- 5 SURFACE RESISTIVITY  
UNDERSIDE : 10<sup>1</sup> OHMS/SQ MAX.  
TOPSIDE : 10<sup>4</sup> OHMS/SQ

\*6 OTHER COVER TAPE WIDTH REFER TO W14.08-04.

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

REV	DESCRIPTION	DATE	APPROVED
0	NEW DRAWING	20.06.03	MAGDA
1	CHANGE ADHESIVE WIDTH TOLERANCE	20.10.03	MAGDA
2	CHANGE THICKNESS TOL. - OLD 0.05-0.06	06.12.04	MAGDA
3	CHANGE ADHESIVE WIDTH FROM 1.15 TO 1.0	10.05.05	MAGDA
4	CHANGE ADHESIVE WIDTH FR 1.0 TO 1.15 FOR 21.3mm	12.07.05	MAGDA
5	MODIFY THICKNESS (SECTION Y-Y)	28.10.05	MAGDA
6	UPDATE NOTE 5	02.12.05	MAGDA
7	CORE ID WAS 76.5x1	20.03.07	MAGDA
8	ADD WIDTH 26.3 INTO TABLE	29.10.07	MAGDA
9	ADD WIDTH 65.5 INTO TABLE	08.04.09	MAGDA
10	ADD WIDTH 7.3 INTO TABLE	25.04.12	MAGDA



MATERIAL: POLYESTER CLEAR

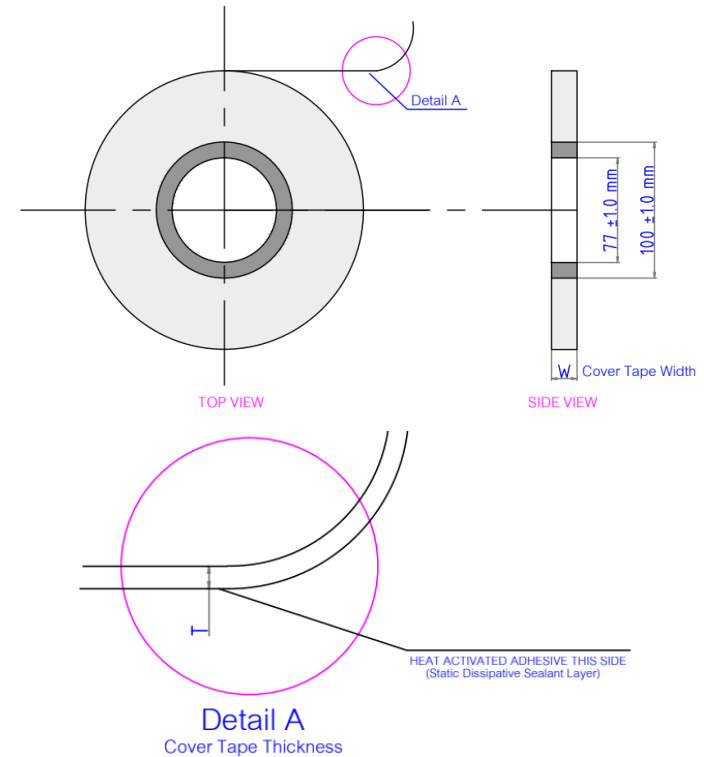
DRAWN: SHARON KHOO

DRAWING NO: CP134/03-0

SCALE: NTS

TITLE: CP58 PSA COVER TAPE

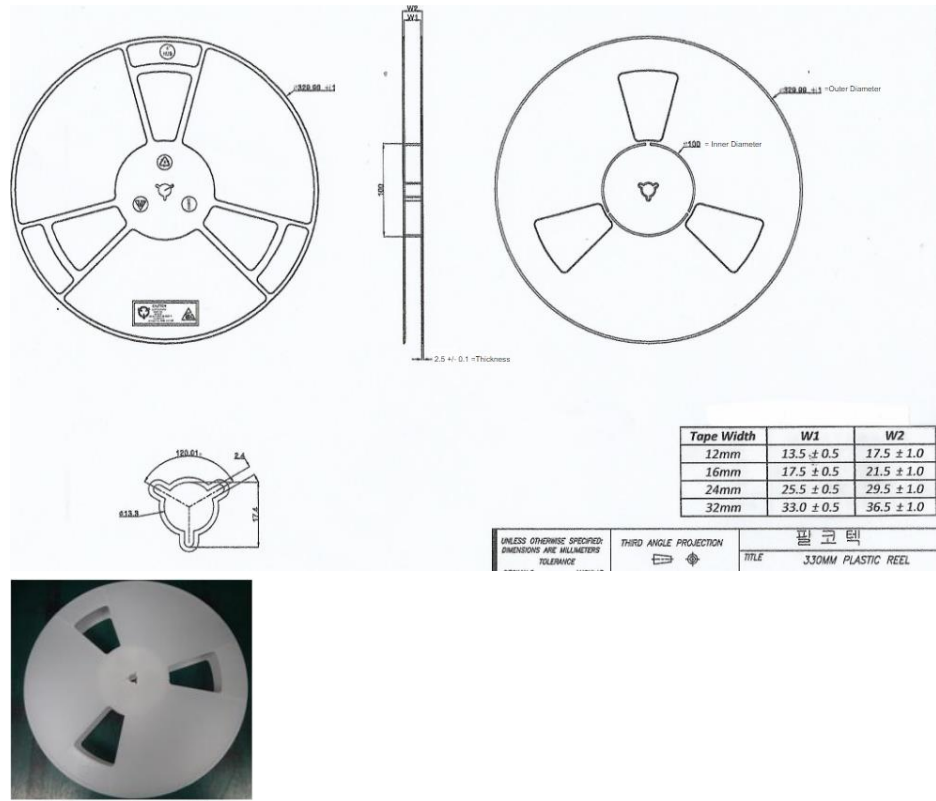
## MTAI



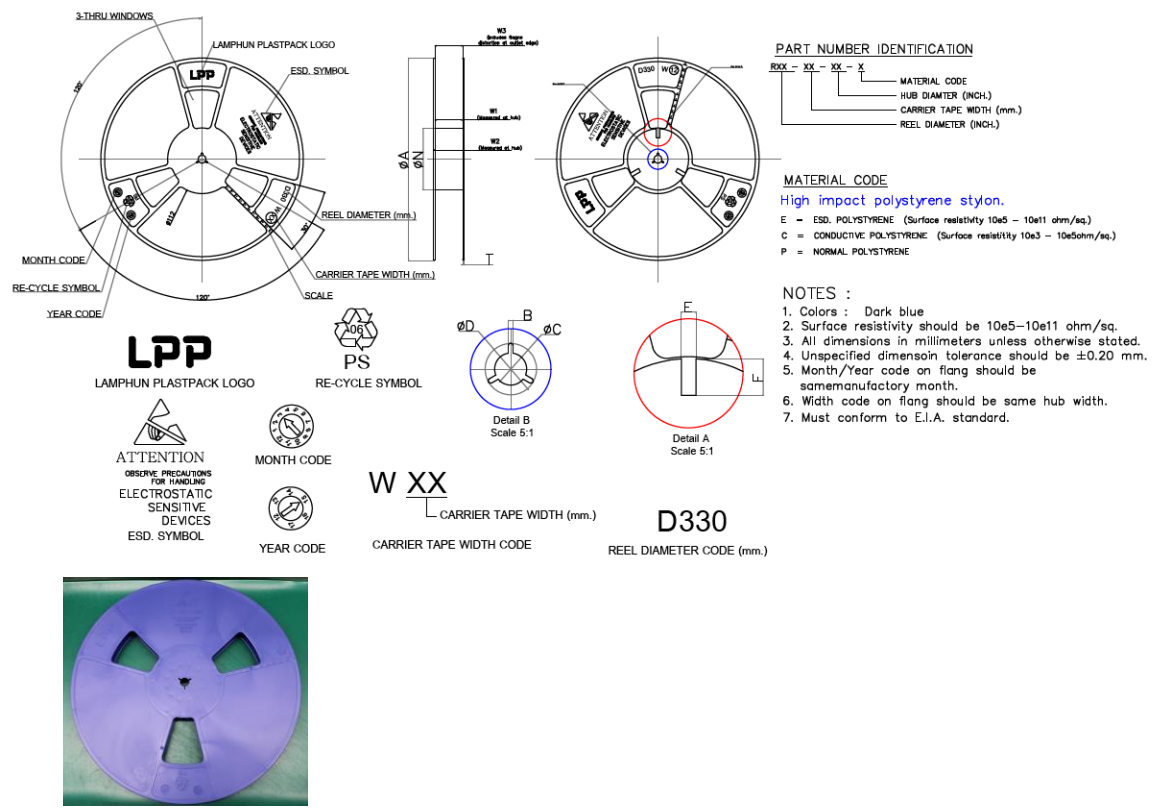
Plant	Carrier Width	Cover tape Width "W" (mm)	Thickness (mm)	Sealing Methodology
MPHL	24mm	21.30	0.050 +/-0.005	Pressure Seal
MTAI	24mm	21.00	0.050 +/-0.010	Heat Activate Seal

# Packing Information - Plastic Reel

## MPHL



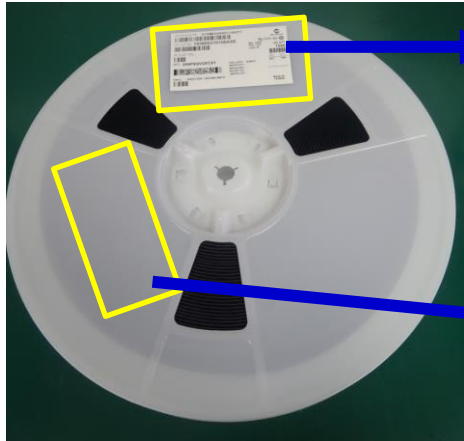
## MTAI



Plant	For Carrier Tape Width	Diameter	Hub	Color
MPHL	24mm	13inch (330mm)	4inch (100mm)	White
MTAI	24mm	13inch (330mm)	4inch (100mm)	Dark Blue

# Packing Information - T/R packing method

## MPHL



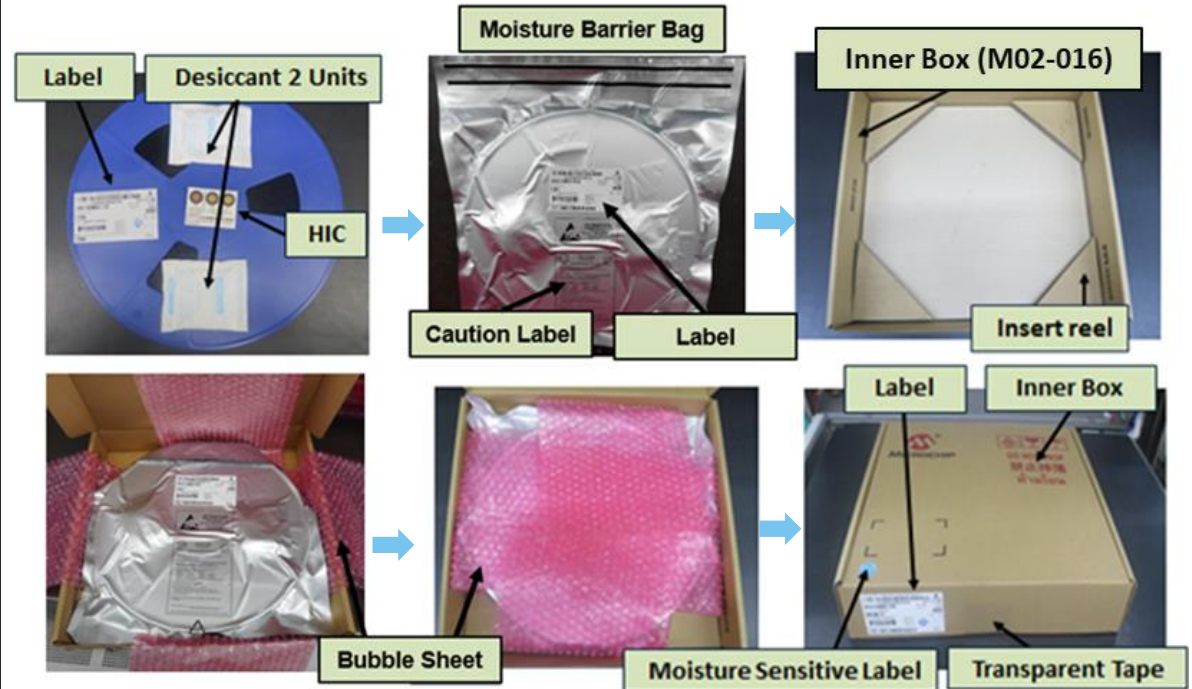
Intermediate Barcode Label  
(Sample Only)



ESD Logo



## MTAI



Inner box		Carton		Number of Inner box(es) per carton
M02-016 (Large)	37x35.3x7.7	M01-044 (SM)	37.0x38.0x11.0	
		M01-045 (S4)	37.0x38.0x22.5	2 : 1
		M01-046 (S5)	37.0x39.0x39.0	4 : 1
		M01-039 (TR)	28.6x37.5x36.2	4 : 1
		M01-047 (S3)	42.0x66.0x39.0	8 : 1



**MICROCHIP**

**QUALIFICATION REPORT SUMMARY**

**PCN #: JAON-22RWTR531**

**Date**

**October 22, 2020**

**Qualification of MTAI as an additional final test site for selected Atmel ATF1502AS, ATF1502ASL and ATF1504ASV device families available in 44L TQFP (10x10x1mm) package.**

**Purpose:** Qualification of MTAI as an additional final test site for selected Atmel ATF1502AS, ATF1502ASL and ATF1504ASV device families available in 44L TQFP (10x10x1mm) package.

**CCB No.:** 4251.001

Test / Evaluation	Test Conditions / Parameters	RESULT
Unit to Unit Parametric Comparison	<ul style="list-style-type: none"> <li>• Get parametric reading from 33 good units at both original and destination test site</li> <li>• Compare parametric reading from both sites</li> <li>• Acceptance: Delta is within 10% or PE/TE approval</li> </ul>	PASS
Correlation Lot	<ul style="list-style-type: none"> <li>• Test 3K units at original test site</li> <li>• Retest 3K units at destination test site (Good and Reject separately)</li> <li>• Acceptance: Bin2Bin delta is within 0.1% or PE/TE approval</li> </ul>	PASS
Cross Correlation	<ul style="list-style-type: none"> <li>• Test 33 units (go/no go) at destination test site</li> <li>• Retest 33 units at original test site</li> <li>• Acceptance: Bin2Bin delta is within 0.1% or PE/TE approval</li> </ul>	PASS