



Product Change Notification: NTDO-15NWUK778

Date:

30-Sep-2025

Product Category:

Crypto Memory

Notification Subject:

CCB 7781 Initial Notice: Qualification of MTAI as an additional final test site for AT88SC0404CA-SH-T, AT88SC0808CA-SH, AT88SC0808CA-SH-T, AT88SC0104CA-SH, AT88SC0104CA-SH-T, AT88SC0204CA-SH, AT88SC0204CA-SH-T and AT88SC0404CA-SH catalog part numbers (CPN) available in 8L SOIC (.150in) package.

Affected CPNs:

[NTDO-15NWUK778_Affected_CPN_09302025.pdf](#)

[NTDO-15NWUK778_Affected_CPN_09302025.csv](#)

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 MTAI as an additional final test site for AT88SC0404CA-SH-T, AT88SC0808CA-SH, AT88SC0808CA-SH-T, AT88SC0104CA-SH, AT88SC0104CA-SH-T, AT88SC0204CA-SH, AT88SC0204CA-SH-T and AT88SC0404CA-SH catalog part numbers (CPN) available in 8L SOIC (.150in) package.

Pre and Post Summary Changes:

	Pre Change	Post Change	
Final Test Site	ATX Semiconductor (Shanghai) Co. Ltd (ASSH)	ATX Semiconductor (Shanghai) Co. Ltd (ASSH)	Microchip Technology Thailand (HQ) (MTAI)

Packing Material/Method	See Pre and Post Change Summary for Comparison.
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Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve manufacturability and on-time delivery performance by qualifying MTAI as an additional final test site.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: October 2025

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.

Timetable Summary:

	September 2025					October 2025			
Work Week	36	37	38	39	40	41	42	43	44
Initial PCN Issue Date					X				
Qual Report Availability									X
Final PCN Issue Date									X

Note: *Upon Customer Approval

Method to Identify Change: Traceability Code

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

Revision History: September 30, 2025: Issued initial notification.

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

Attachments:

PCN_NTDO-15NWUK778_Qual_Plan.pdf

PCN_NTDO-15NWUK778_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.

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Affected Catalog Part Numbers (CPN)

AT88SC0404CA-SH-T

AT88SC0808CA-SH

AT88SC0808CA-SH-T

AT88SC0104CA-SH

AT88SC0104CA-SH-T

AT88SC0204CA-SH

AT88SC0204CA-SH-T

AT88SC0404CA-SH

CCB 7781
Pre and Post Change Summary
PCN#: NTDO-15NWUK778



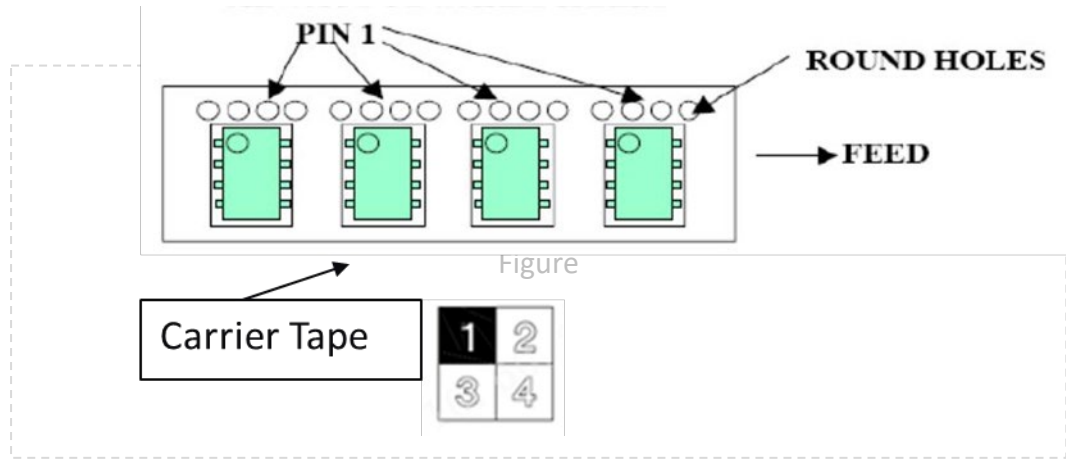
A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



SMART | CONNECTED | SECURE

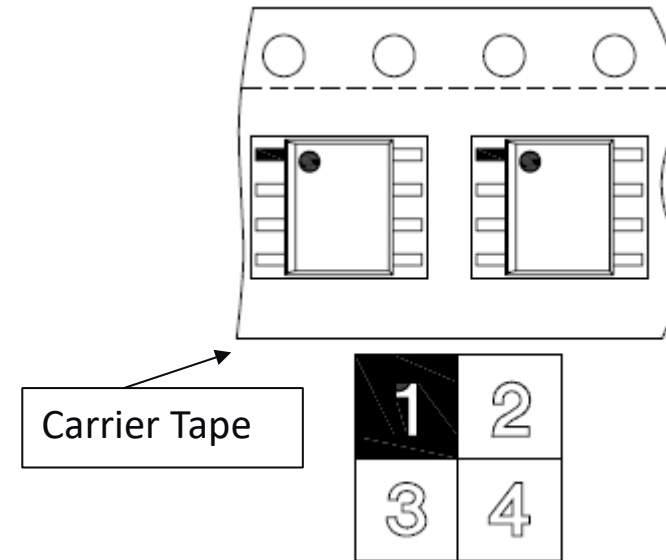
Pin1 Orientation (Tape and Reel)

ASSH



Quadrant 1

MTAI

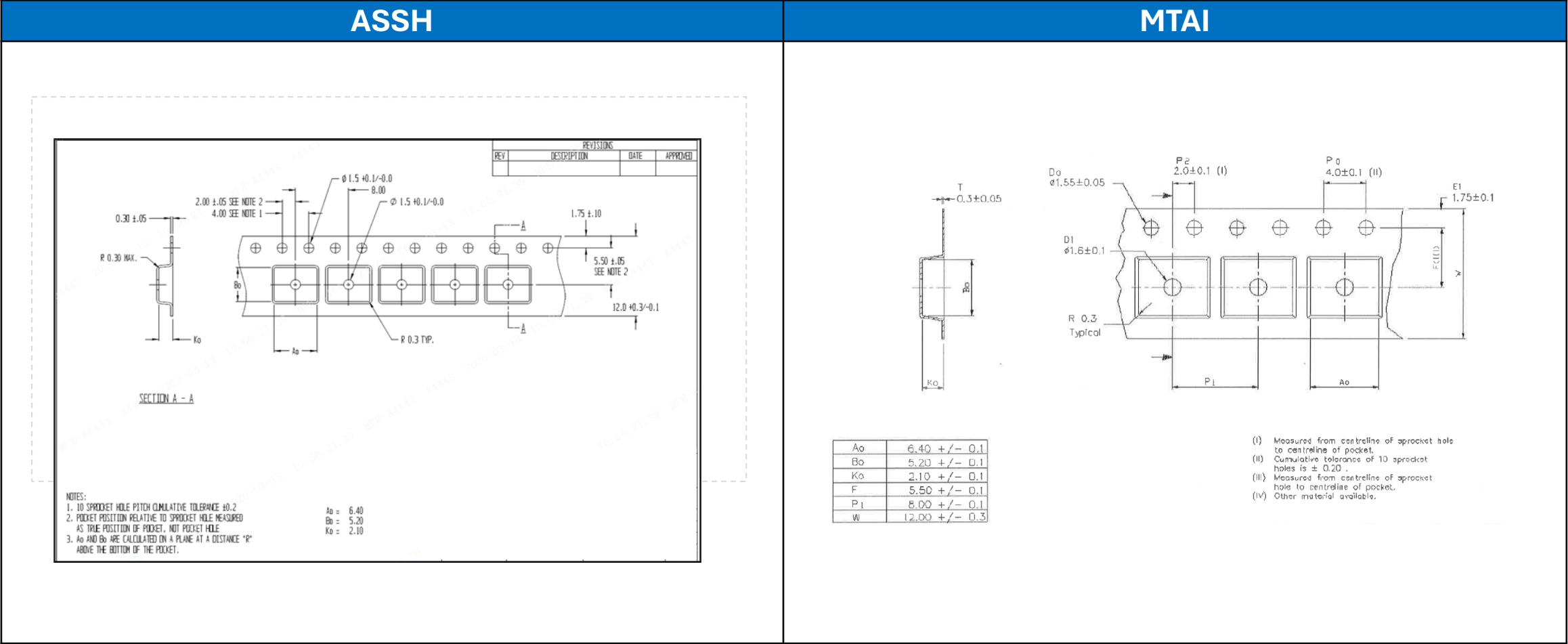


Quadrant 1

BQM (Tape and Reel)

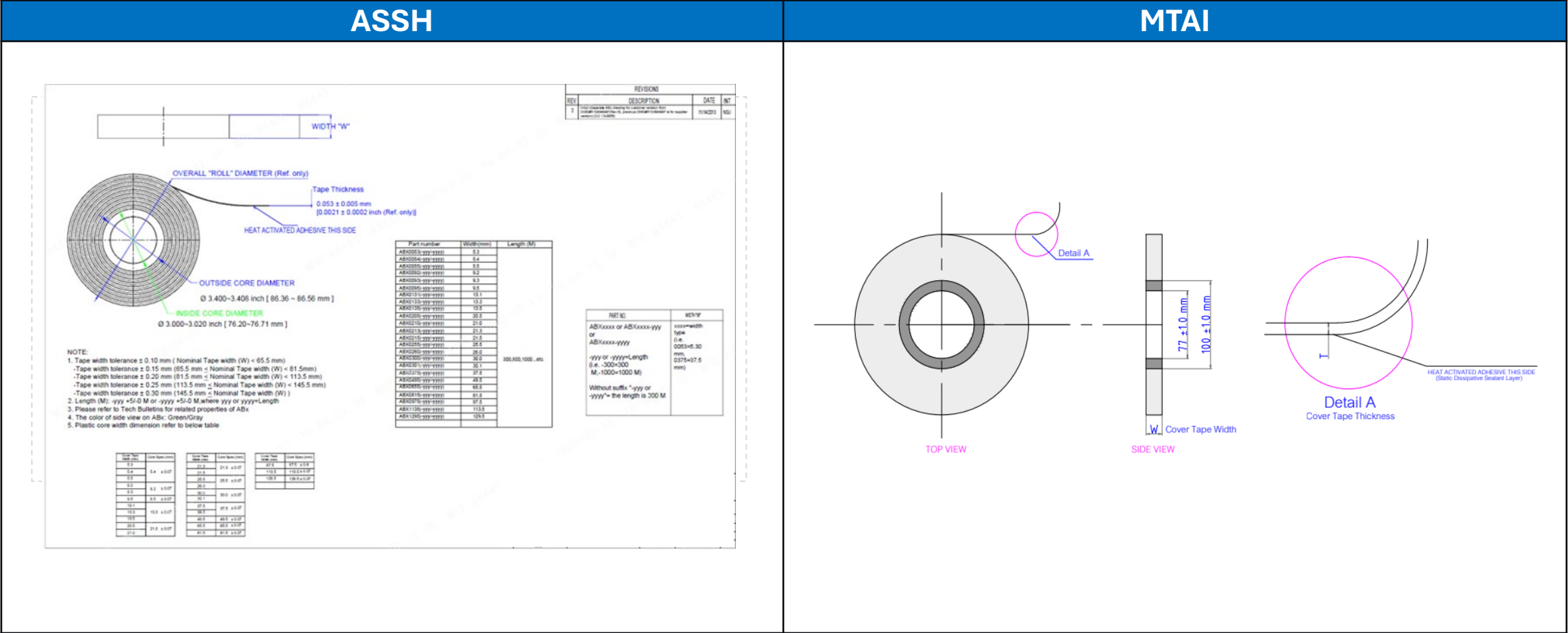
ASSH	MTAI
Unit per Reel: 4000 1 reel per bag	Units per reel: 4000 1 reel per bag

Carrier Tape (Tape and Reel)



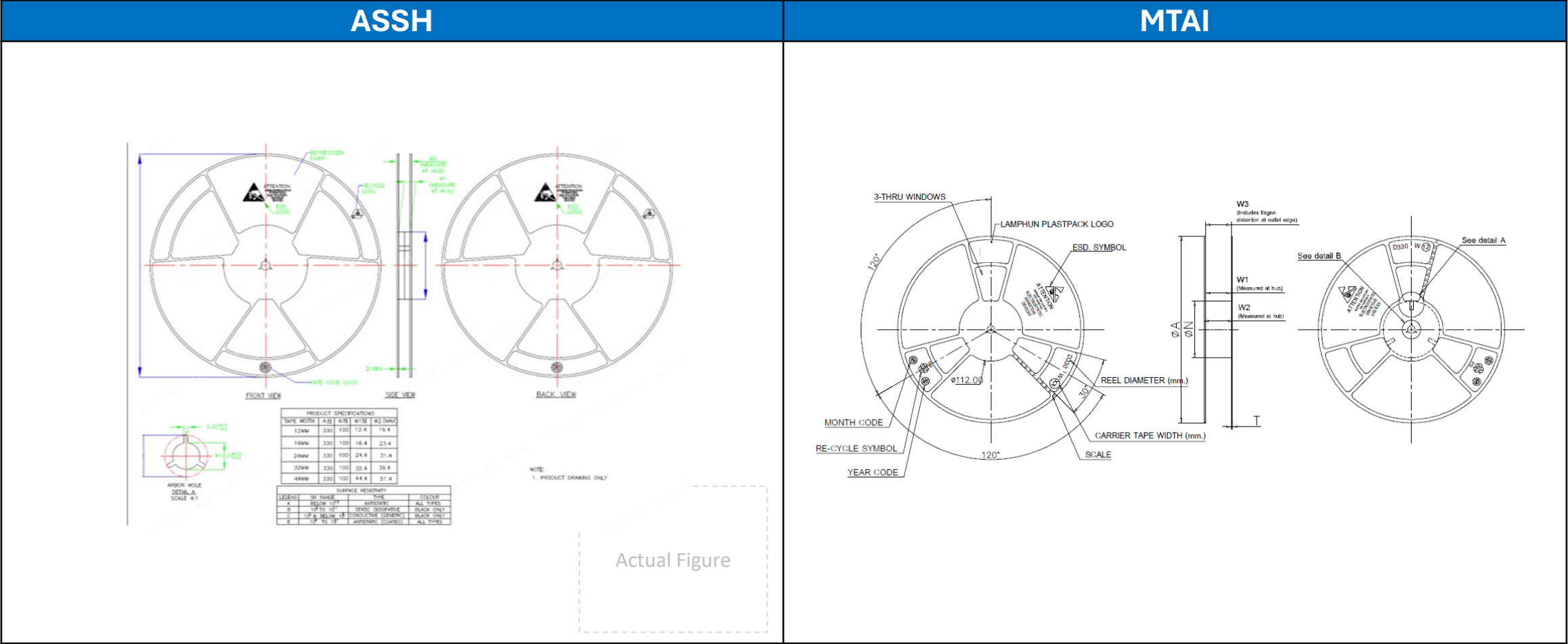
Plant	W (mm)	P (mm)	A0 (mm)	B0 (mm)	K0 (mm)	Thickness (mm)
ASSH	12	8	6.40	5.20	2.10	0.30
MTAI	12 ±0.3	8 ±0.1	6.40 ±0.1	5.20 ±0.1	2.10 ±0.1	0.30 ±0.05

Cover Tape



Plant	Width W (mm)	Thickness T (mm)	Color	Sealing Methodology
ASSH	9.2+/-0.07	0.053+/-0.005	Clear	Heat sealing
MTAI	9.05+0.05/-0.15	0.050 ±0.010	Clear	Heat sealing

Plastic Reel (Tape and Reel)



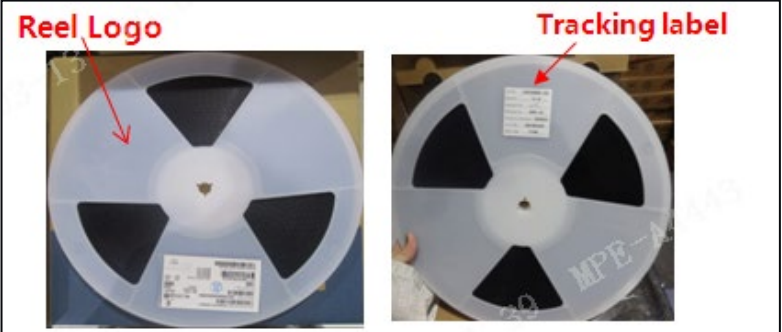
Plant	Reel Diameter (mm)	Reel Hub Size (mm)	Reel Width Max (mm)	Color
ASSH	330 ±2.0	100 ±2.0	19.40	White
MTAI	330 ±2.0	100 ±2.0	18.40	Dark Blue

Antistatic Shielding Bag / Moisture Barrier Bag (Tape and Reel)

ASSH

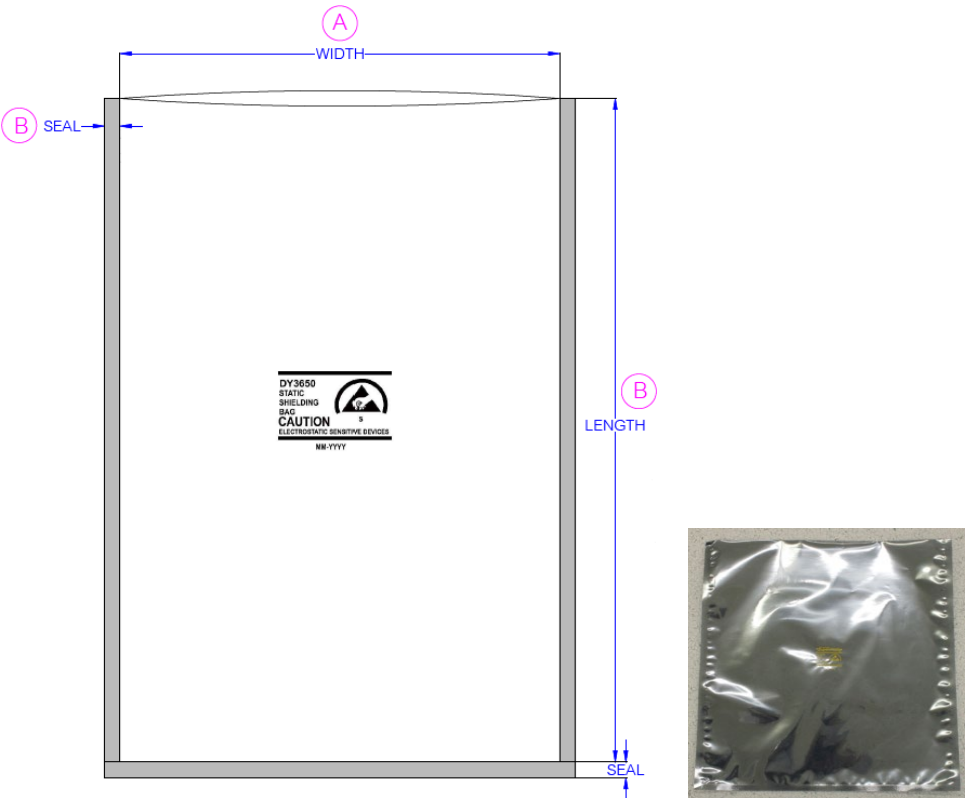
Reel Logo

Tracking label





MTAI



Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
ASSH	ESD-BAG	370	460	0.075
MTAI	Static Shielding Bag	420	370	0.0762

Packing Method (Tape and Reel)

ASSH



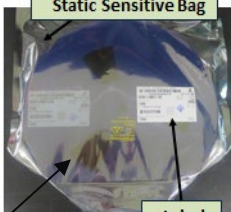
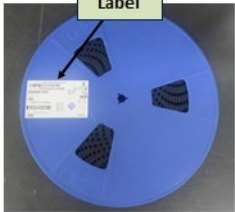
Reel Logo

Tracking label

no inner box ,only outer box

Dimension W x L x H (cm)	Number of Bag/carton
38.4x36.2x38.5	15

MTAI



Label

Static Sensitive Bag

Antistatic Tape

SSB

Label

MSL-1 (No inner box)

Carton for product in tubes media (MSL-1)

Carton	Dimension W x L x H (cm)	Number of reel per carton
		Reel diameter (D) = 330mm
		Carrier Tape Width 12mm
M01-011 (TT)	36.5x38x39.5	15
M01-012 (B1)	35.5x35.5x2.8	1
M01-013 (B2)	35.5x35.5x4	2
M01-014 (B3)	35.5x35.5x6	3
M01-015 (B8)	35.5x35.5x16.5	8

Example:

Packing for tape and reel in carton box B2/ B3.(Sample)

Packing for tape and reel in carton box B8.(Sample)

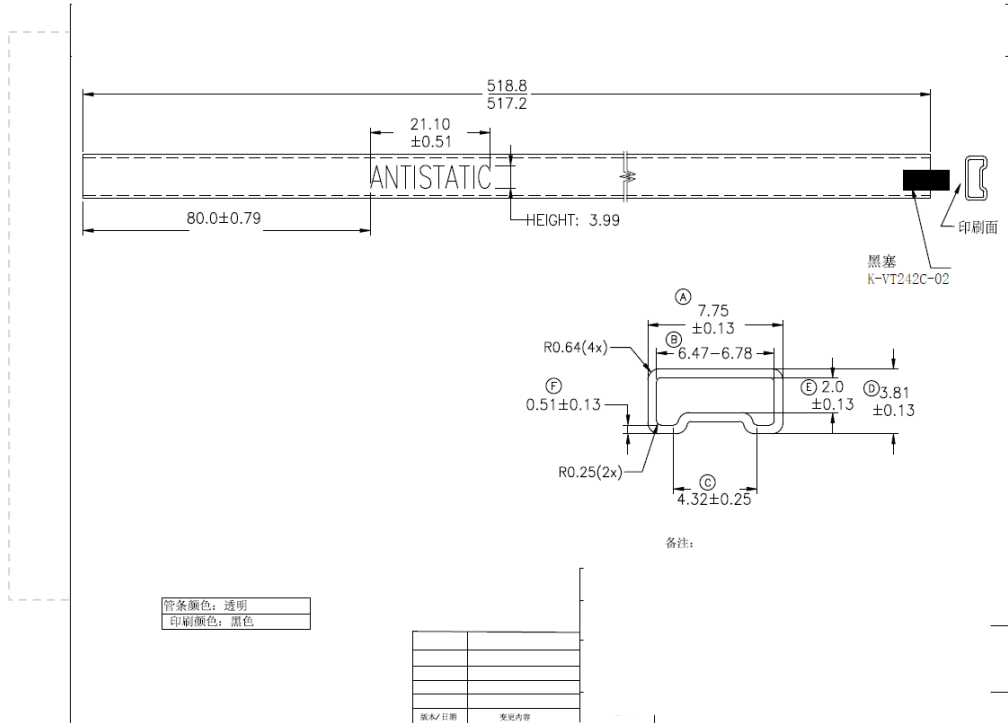
Packing for tape and reel in carton box TT

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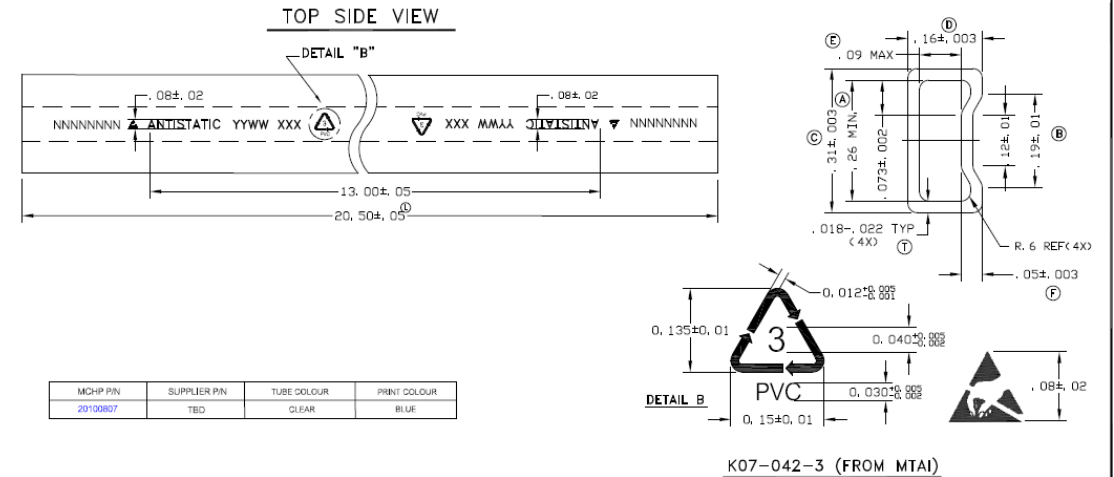


TUBE

ASSH



MTAI



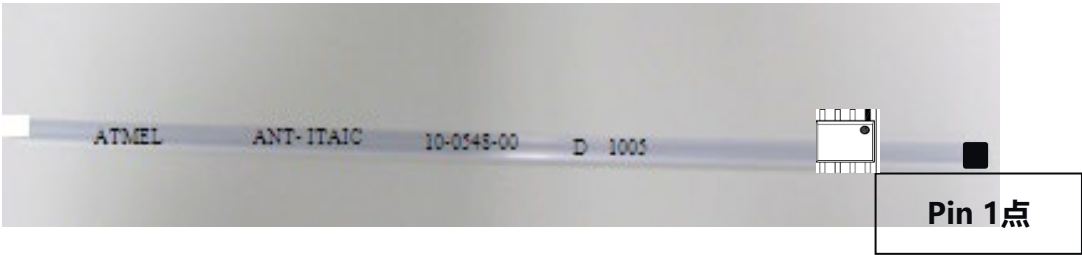
NOTE :

1.  (Recycle Symbol) Refers to MS-16220
2. Tube to be coated (inside and outside) with anti-static agents (MS-15094) and the surface resistivity $\geq 1 \times 10^{10} \Omega$ to $< 1 \times 10^{12} \Omega$ HWS/Sq shall be between surface resistance $\geq 1 \times 10^{10} \Omega$ to $< 1 \times 10^{11} \Omega$ HWS.
3. YYYW is calendar Year and work week supplier.
4. XXX is the supplier name.
5. NNNNNNNN is microchip part number.

Plant	Tube Length (mm)	Tube Color	Unit per Tube	Tubes per Bag
ASSH	20.00 +/- 0.03 inch (518 +/-0.8 mm)	Clear	100	100
MTAI	20.50 +/-0.05 inch	Clear	100	100

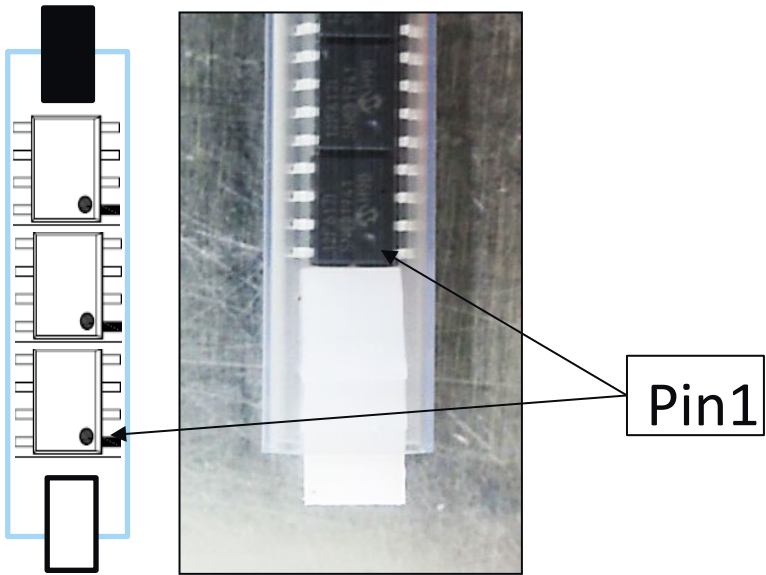
Plug (Tube)

ASSH



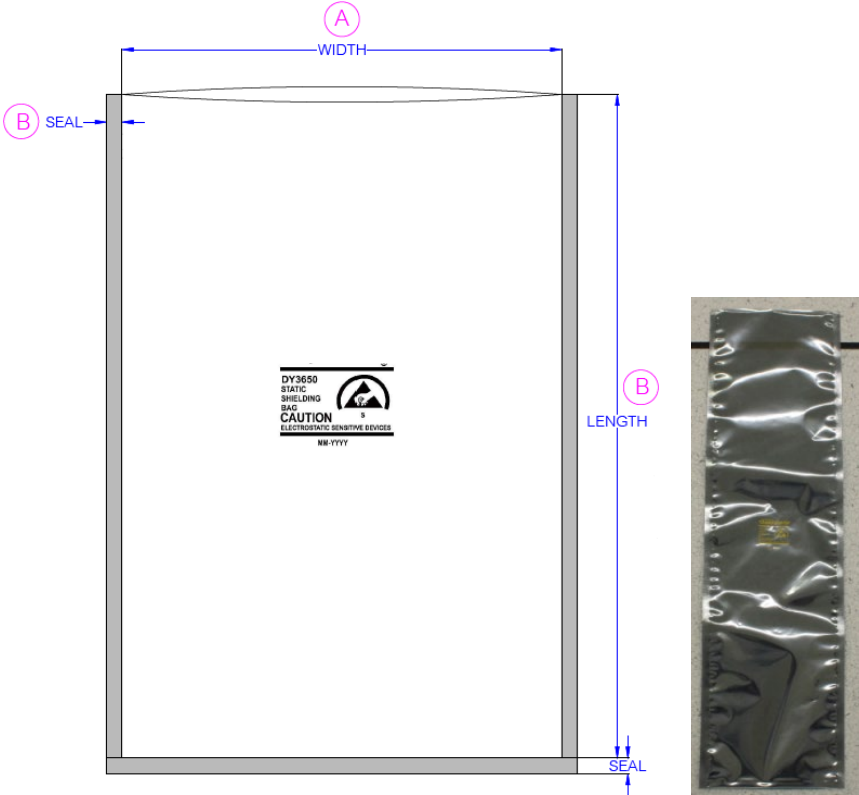
Media	Pin1 Side Color	Opposite Side Color
Plug	Black	White

MTAI



Media	Pin1 Side Color	Opposite Side Color
Plug	White	Black

Antistatic Shielding Bag / Moisture Barrier Bag (Tube)

ASSH	MTAI
	

Plant	Bag type	Length (mm)	Width (mm)	Thickness (mm)
ASSH	ESD-BAG	254	762	0.092
MTAI	Static Shielding Bag	650	160	0.0762

Packing Method (Tube)

ASSH

A close-up photograph of an ASSH tube in its clear plastic packaging. A yellow label with a black triangle and the word 'ATTENTION' is visible. A white label with Chinese text is also present. A blue arrow points from the 'SSB' label to the yellow 'ATTENTION' label.

SSB

A photograph of an ASSH tube in its clear plastic packaging. A yellow label with a black triangle and the word 'ATTENTION' is visible. A white label with Chinese text is also present. A blue arrow points from the 'ESD标签' label to the yellow 'ATTENTION' label. Another blue arrow points from the '生产标签' label to the white label.

ESD标签

生产标签

▪ no inner box,
only outer box

A photograph of an ASSH tube in its clear plastic packaging, placed inside a cardboard box. The tube is wrapped in red foam packing peanuts.

A photograph of an ASSH cardboard box. The box is brown and has a white label with 'QA SEALED' and 'STATIC SENSITIVE' text. A black triangle symbol is also visible on the box.

Carton	Dimension W x L x H (cm)	Number of Bag/carton
M01-030 (C6)	27x62x11	6

MTAI

A photograph of an MTAI tube in its clear plastic packaging. A yellow label with a black triangle and the word 'ATTENTION' is visible. A white label with Chinese text is also present. A blue arrow points from the 'SSB' label to the yellow 'ATTENTION' label. Another blue arrow points from the 'ESD logo' label to the yellow 'ATTENTION' label. A third blue arrow points from the 'Label' label to the white label.

SSB

ESD logo

Label

A close-up photograph of an MTAI tube in its clear plastic packaging. A blue label with the text 'ANTI STATIC TAPE' is visible. An orange arrow points from the 'ANTI STATIC TAPE' label to the blue 'ANTI STATIC TAPE' label.

MSL-1 (No inner box)
Carton for product in tubes media (MSL-1)

Carton	Dimension W x L x H (cm)	Number of Bag/carton
M01-025 (C1)	15x64x5.5	1
M01-026 (C2)	15x64x10	2
M01-027 (C3)	15x64x14	3
M01-028 (C4)	28x63x11	4
M01-029 (C6)	28x63x15.5	6
M01-030 (C8)	28x63x20	8

A diagram showing the MTAI tube packaging process. It consists of five steps: 1. A tube in its clear plastic packaging. 2. The tube in its clear plastic packaging with a yellow label. 3. The tube in its clear plastic packaging with a yellow label and a white label. 4. The tube in its clear plastic packaging with a yellow label, a white label, and a blue label. 5. The tube in its clear plastic packaging with a yellow label, a white label, a blue label, and a red label. A green checkmark is visible in the bottom right corner of the diagram.



MICROCHIP

QUALIFICATION PLAN SUMMARY

PCN#: NTDO-15NWUK778

Date:

September 02, 2025

**Qualification of MTAI as an additional final test site for
AT88SC0404CA-SH-T, AT88SC0808CA-SH, AT88SC0808CA-
SH-T, AT88SC0104CA-SH, AT88SC0104CA-SH-T,
AT88SC0204CA-SH, AT88SC0204CA-SH-T and
AT88SC0404CA-SH catalog part numbers (CPN) available in
8L SOIC (.150in) package.**

Purpose: Qualification of MTAI as an additional final test site for AT88SC0404CA-SH-T, AT88SC0808CA-SH, AT88SC0808CA-SH-T, AT88SC0104CA-SH, AT88SC0104CA-SH-T, AT88SC0204CA-SH, AT88SC0204CA-SH-T and AT88SC0404CA-SH catalog part numbers (CPN) available in 8L SOIC (.150in) package.

CCB No.: 7781

Test Name	Test Conditions	Sample Size	Qty of Lots	Fail/Accept Criteria
Bin and Yield Comparison	Test the same units at existing and destination locations and compare the Bin and Yield data.	3000	1	$\leq 0.1\%$
Parametric Correlation	Characterize the same units at existing and destination locations and compare data	33	1	$\leq 10.0\%$
Correlation Lot report	Yield at each step and reject analysis between systems. 33 units are tested as lot correlation.	33	1	$\leq 0.1\%$