



Product Change Notification / RMES-01IKWS905

Date:

05-Apr-2021

Product Category:

Crypto Authentication

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4566 Initial Notice: Qualification of MTAI as an additional final test site for selected ATSHA204A, ATECC108A, ATECC508A, ATECC608A and ATECC608B device families available in 8L UQFN (2x3x0.6mm) package.

Affected CPNs:

[RMES-01IKWS905_Affected_CPN_04052021.pdf](#)

[RMES-01IKWS905_Affected_CPN_04052021.csv](#)

Notification Text:

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 selected ATSHA204A, ATECC108A, ATECC508A, ATECC608A and ATECC608B device families available in 8L UQFN (2x3x0.6mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Final Test Site	ASE Test (ASE9)	ASE Test (ASE9)	Microchip Technology Thailand (HQ) (MTAI)
Base Quantity Multiple (BQM)	3000 and 15000	3000 and 15000	3000 and 15000
Pin 1 orientation	Quadrant 2	Quadrant 2	Quadrant 2
Carrier Tape	No dimensional changes (see attached)		
Cover Tape	Minor dimensional changes (see attached)		
Reel	Color	White	White
	Dimension	With dimensional changes. See attached Pre and Post comparison.	
Packing Method	See attached Pre and Post comparison		

Impacts to Data Sheet: None

Change Impact: None

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

Change Implementation Status: In Progress

Estimated Qualification Completion: May 2021

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:

	April 2021					May 2021				
Workweek	14	15	16	17	18	19	20	21	22	23
Initial PCN Issue Date		X								
Qual Report Availability										X
Final PCN Issue Date										X

Method to Identify Change: Traceability

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

Revision History: April 05, 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_RMES-01IKWS905_Pre and Post Change Summary.pdf](#)
[PCN_RMES-01IKWS905_Qual_Plan.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)

ATSHA204A-MAHDA-T
ATSHA204A-MAHCZ-T
ATSHA204A-MAHDA-S
ATSHA204A-MAHCZ-S
ATECC108A-MAHDA-T
ATECC108A-MAHCZ-T
ATECC508A-MAHDA-T
ATECC508A-MAHCZ-T
ATECC508A-MAHDA-S
ATECC508A-MAHCZ-S
ATECC608A-MAHDA-S
ATECC608A-MAHDA-T
ATECC608A-MAHCZ-S
ATECC608A-MAHCZ-T
ATECC608B-MAHCZ-S
ATECC608B-MAHDA-S
ATECC608B-MAHCZ-T
ATECC608B-MAHDA-T

CCB 4566
Pre and Post Change Summary
PCN #: RMES-01KWS905



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

Qualification of MTAI as an additional final test site for selected ATSHA204A, ATECC108A, ATECC508A, ATECC608A and ATECC608B device families available in 8L UQFN (2x3x0.6mm) package.

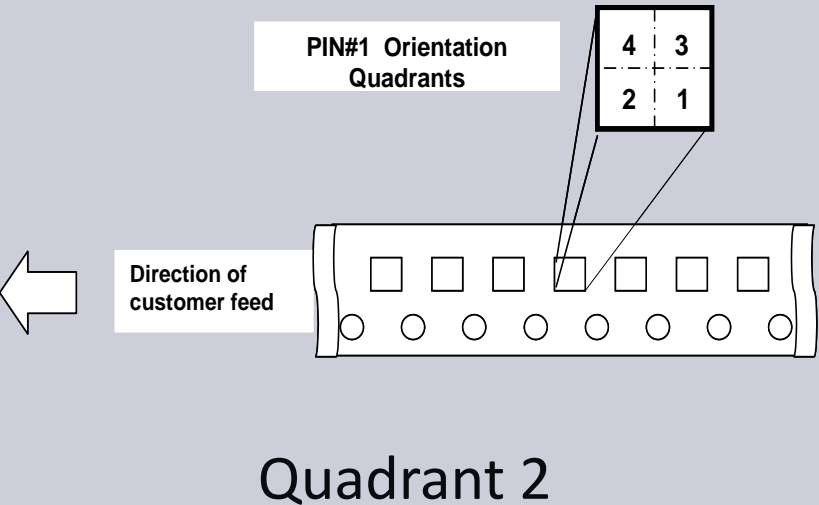
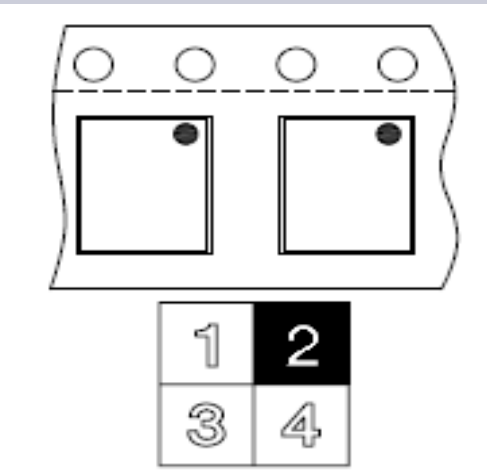


SMART | CONNECTED | SECURE

Pre and Post Change Summary

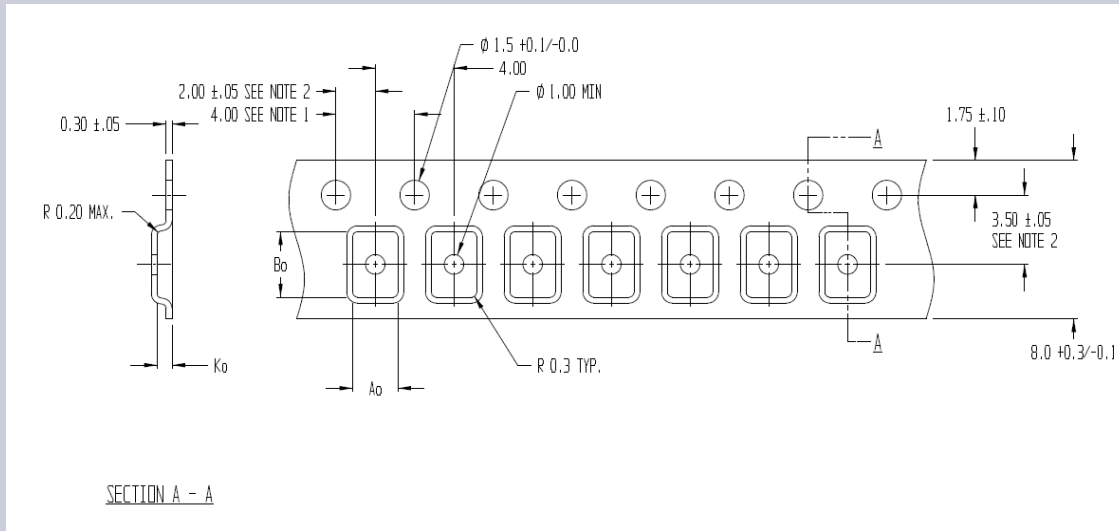
		ASE	MTAI
Final Test Location		ASE Test (ASE9)	Microchip Technology Thailand (HQ) (MTAI)
Base Quantity Multiple (BQM)	Tape and Reel	3000 and 15000	3000 and 15000

Pre and Post Change Summary – Pin 1 Orientation

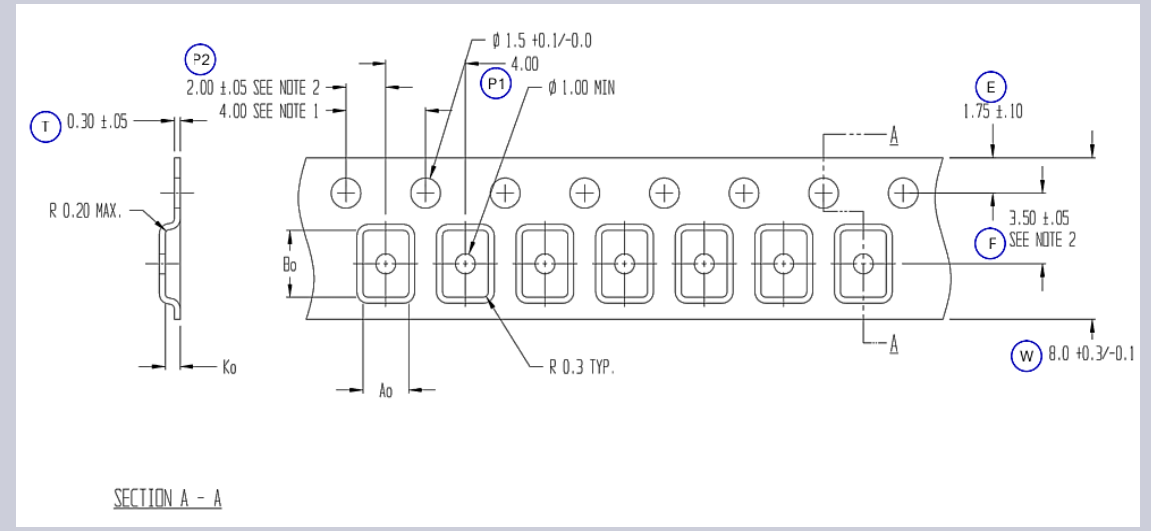
		ASE	MTAI
Pin 1 Orientation	Tape and Reel	 <p>PIN#1 Orientation Quadrants</p> <p>Direction of customer feed</p> <p>Quadrant 2</p>	 <p>Quadrant2</p>

Pre and Post Change Summary – Carrier Tape

ASE



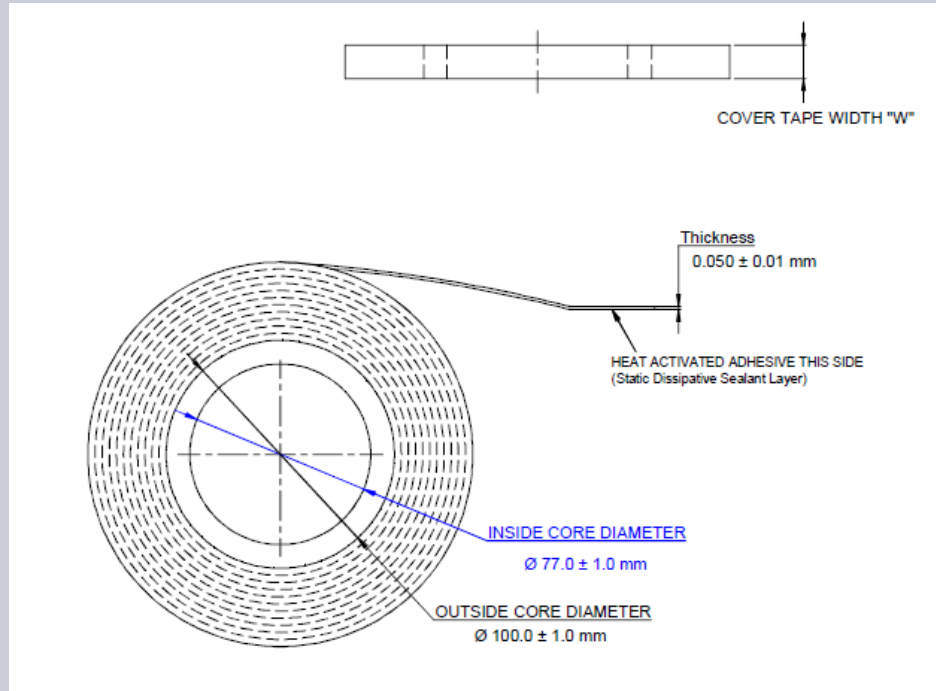
MTAI



Plant	Width (mm)	Pitch (mm)	A0 (mm)	B0 (mm)	K0 (mm)	T (mm)	Color
ASE	$8.0 \pm 0.3/-0.1$	4.00 ± 0.10	2.30 ± 0.10	3.30 ± 0.10	0.75 ± 0.10	0.30 ± 0.05	Black
MTAI	$8.0 \pm 0.3/-0.1$	4.00 ± 0.10	2.30 ± 0.10	3.30 ± 0.10	0.75 ± 0.10	0.30 ± 0.05	Black

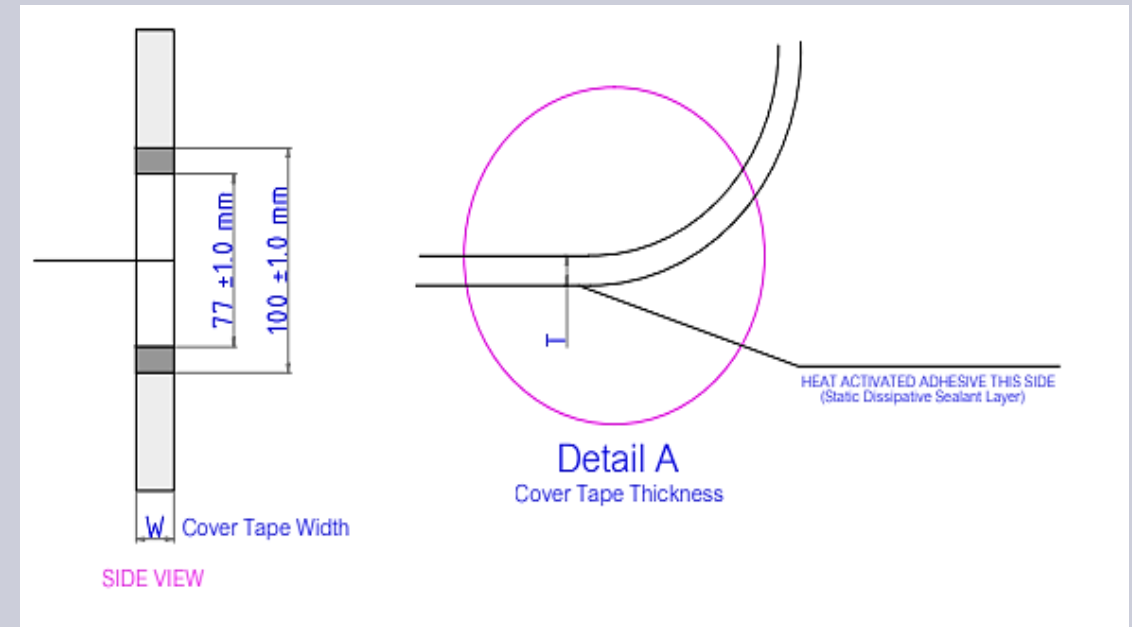
Pre and Post Change Summary – Cover Tape

ASE



Cover tape color	Width ±0.1 (mm)	Thickness ±0.005 (mm)	Sealing Methodology
Clear	5.4	0.050+/-0.010	Heat Seal

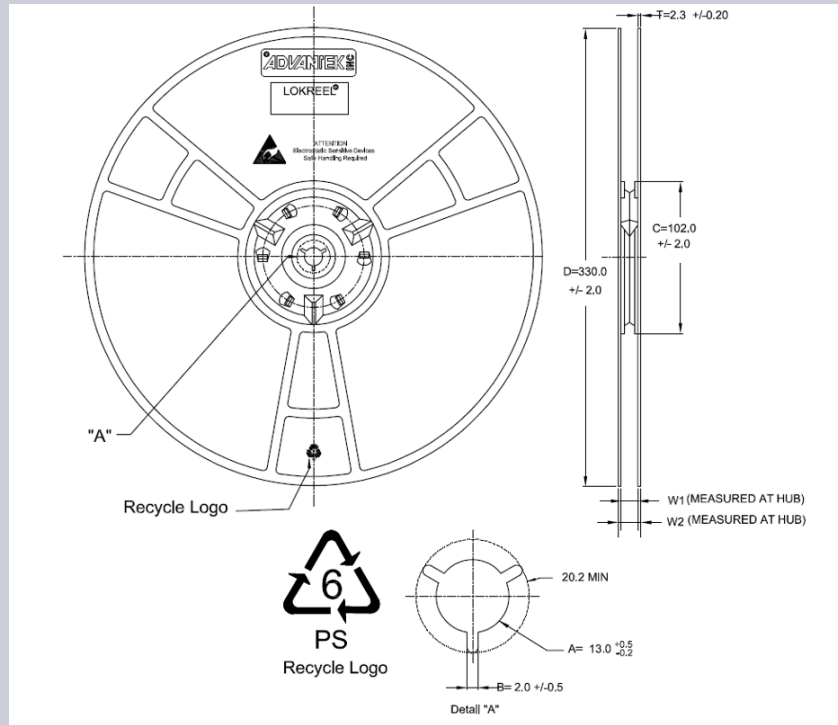
MTAI



Cover tape color	Width ±0.1 (mm)	Thickness ±0.005 (mm)	Sealing Methodology
Clear	5.4	0.062+/-0.013	Heat Seal

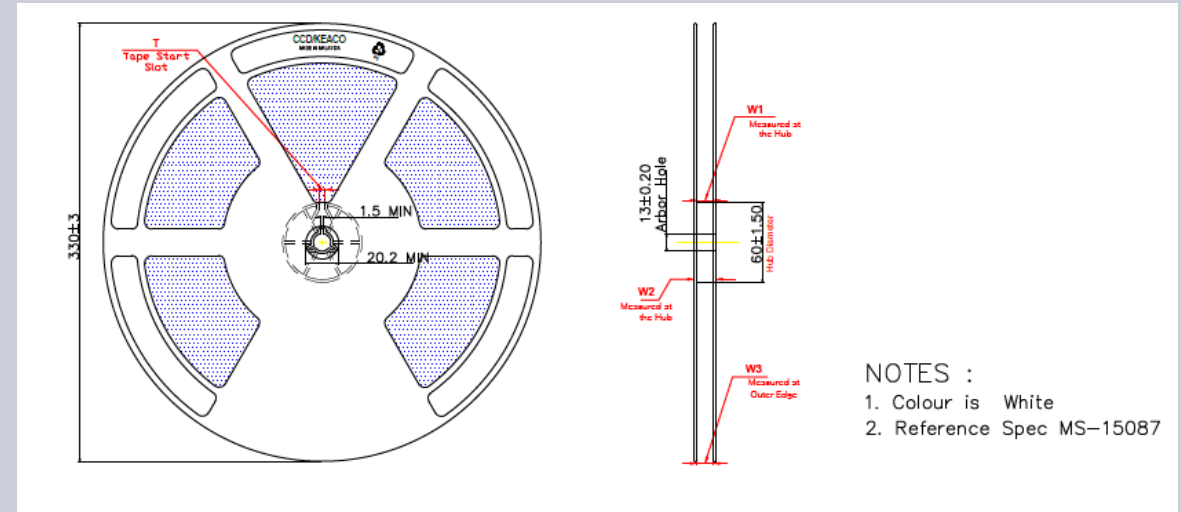
Pre and Post Change Summary – Plastic Reel

ASE



Reel Color	Reel diameter (mm)	Hub (mm)	W2 (mm)
White	330	102	14.40

MTAI



- NOTES :
1. Colour is White
 2. Reference Spec MS-15087

Reel Color	Reel diameter (mm)	Hub (mm)	W2 (mm)
White	330	60	14.40

Packing Method

ASE

MTAI (MSL 1 – No inner box)

SMC / RL11 13" REEL PACKING



Paste one customer label on front side, **extra part can be folded up**
只貼一張客戶出貨標籤在前側(多的部分可往上折).



TRANSPARENT TAPE.
透明膠帶封箱。

/ Security-C

2D label



Carton Box	Dimension
M01-012 (B1)	35.5x35.5x2.8 cm (Max 1 reel)
M01-013 (B2)	35.5x35.5x4 cm (Max 3 reel)
M01-014 (B3)	35.5x35.5x6 cm (Max 4 reel)
M01-015 (B8)	35.5x35.5x16.5 cm (Max 10 reel)
M01-011 (TT)	36.5x38x39.5 cm (Max 18 reel)

(Carton Box type depend on order)



QUALIFICATION PLAN SUMMARY

PCN #: RMES-01IKWS905

**Date:
February 02, 2021**

Qualification of MTAI as an additional final test site for selected ATSHA204A, ATECC108A, ATECC508A, ATECC608A and ATECC608B device families available in 8L UQFN (2x3x0.6mm) package.

Purpose: Qualification of MTAI as an additional final test site for selected ATSHA204A, ATECC108A, ATECC508A, ATECC608A and ATECC608B device families available in 8L UQFN (2x3x0.6mm) package.

CCB No.: 4566

Test / Evaluation	Test Conditions / Parameters
Lot Correlation	<ul style="list-style-type: none">• Run correlation lots 5000 units.<ul style="list-style-type: none">○ 100 % test with FT for yield comparison<ul style="list-style-type: none">▪ Accept 1% delta or PE/TE approval○ 100% retest with FT for code verification<ul style="list-style-type: none">▪ Accept 100% match or reasonable data