



Product Change Notification / ASER-11ZWRV458

Date:

15-Dec-2022

Product Category:

FPGA Configuration Memory

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5295 Final Notice: Qualification of MTAI as a new final test site for selected AT17LVxxx device family available in 8L PDIP (.300in) package.

Affected CPNs:

[ASER-11ZWRV458_Affected_CPN_12152022.pdf](#)
[ASER-11ZWRV458_Affected_CPN_12152022.csv](#)

Notification Text:

PCN Status:Final 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 a new final test site for selected AT17LVxxx device family available in 8L PDIP (.300in) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Final Test Site	Amkor Technology Philippines (P3/P4), INC. (ATP7)	Microchip Technology Thailand (MTAI)
Pin 1 Orientation	Towards White Pin	Towards White Pin
BQM	50	50
Tube per Bag	50	40
Pin Color	Black/White	Black/White
Tube Drawing	Minor dimensional changes. See Pre and Post Change Summary attachment for comparison.	
Packing Method	See Pre and Post Change Summary attachment for comparison.	

Impacts to Data Sheet:None

Change Impact:None

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

Change Implementation Status:In Progress

Estimated First Ship Date:January 2, 2023 (date code: 2301)

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

Time Table Summary:

	October 2022					>	December 2022					January 2023				
Workweek	4 1	4 2	4 3	4 4	4 5		49	50	51	52	53	1	2	3	4	5
Initial PCN Issue Date		x														
Qual Report Availability									x							
Final PCN Issue Date									x							
Estimated Implementation Date													x			

Method to Identify Change:Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History:October 14, 2022: Issued initial notification.

December 15, 2022: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on January 2, 2023.

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

Attachments:

[PCN_ASER-11ZWRV458_Qualification Report.pdf](#)

[PCN_ASER-11ZWRV458_Pre and Post Change_Summary.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

Terms and Conditions:

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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.



QUALIFICATION REPORT SUMMARY

PCN #: ASER-11ZWRV458

**Date:
December 12, 2022**

**Qualification of MTAI as a new final test site for selected
AT17LVxxx device family available in 8L PDIP (.300in)
package.**

Purpose: Qualification of MTAI as a new final test site for selected AT17LVxxx device family available in 8L PDIP (.300in) package.

CCB No.: 5295

Test / Evaluation	Test Conditions / Parameters	Result
Yield Comparison	<ul style="list-style-type: none">• 1000 units through below flow at MTAI<ul style="list-style-type: none">○ 100% FT@85C. Acceptance: Delta yield < 1% compare with ATP7○ QC Sampling @25C. Acceptance: Zero failure or reasonable EFA data	Pass

Affected Catalog Part Numbers (CPN)

AT17LV256-10PU

AT17LV010-10PU

AT17LV010A-10PU

AT17LV512A-10PU

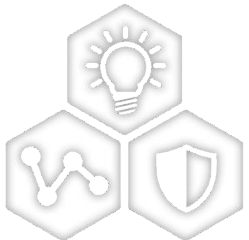
CCB 5295

Pre and Post Change Summary

PCN# ASER-11ZWRV458



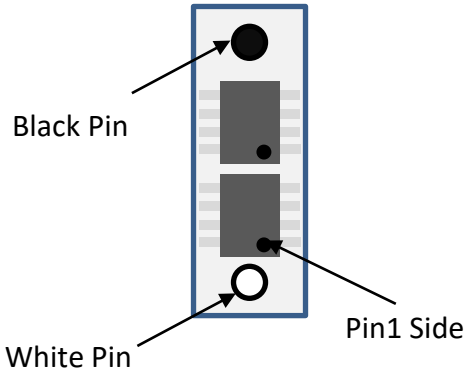
A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



SMART | CONNECTED | SECURE

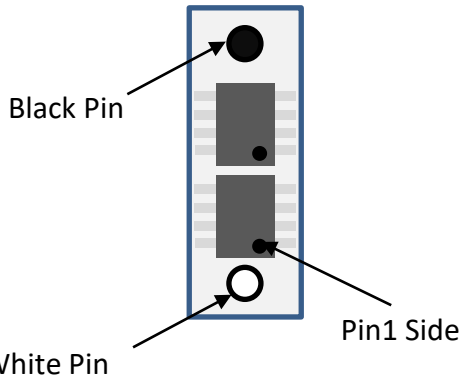
Tube Comparison – BQM and Pin 1 Orientation

Pre Change

Media	Pin1 Side
TUBE	
	Black Pin White Pin

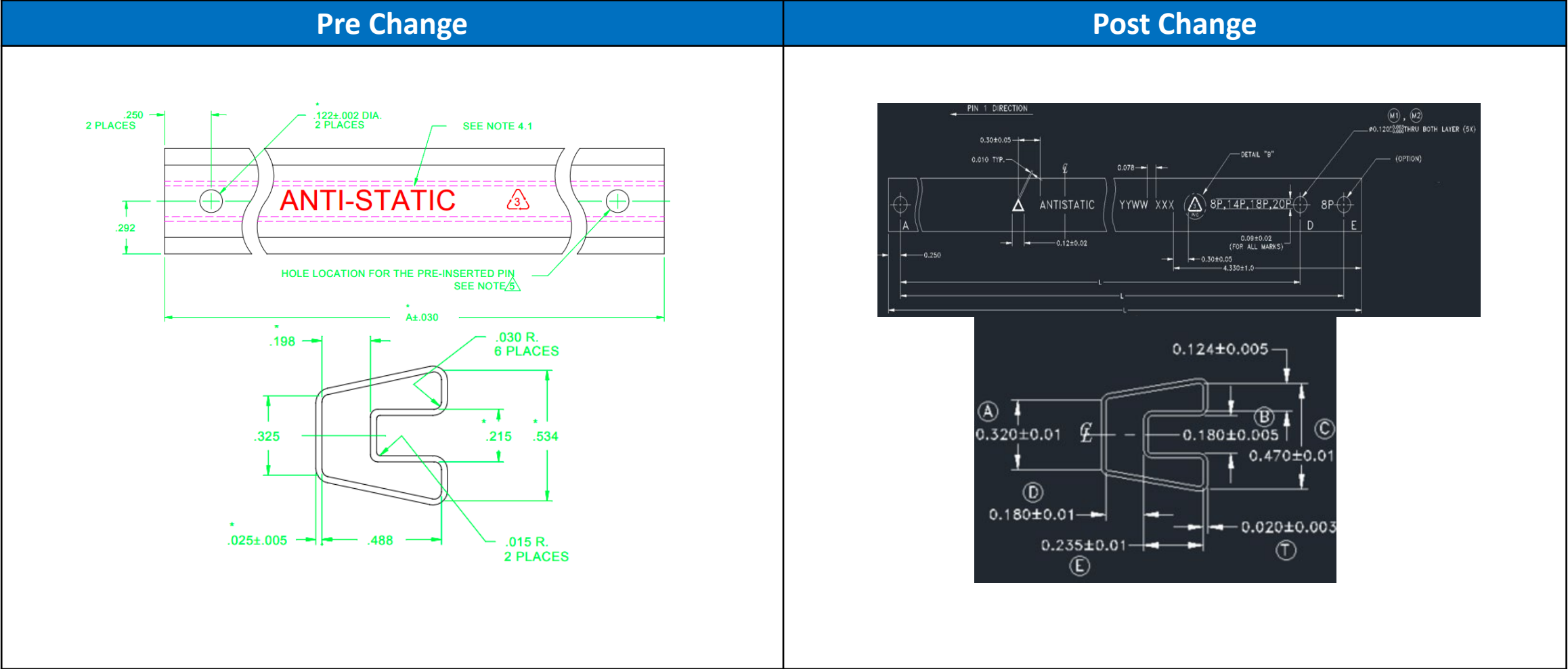
Media	Unit per Tube	Tube per Bag	Unit per Bag	Pin#1 Orientation
TUBE	50	50	2500	Toward White Pin

Post Change

Media	Pin1 Side
TUBE	
	Black Pin White Pin

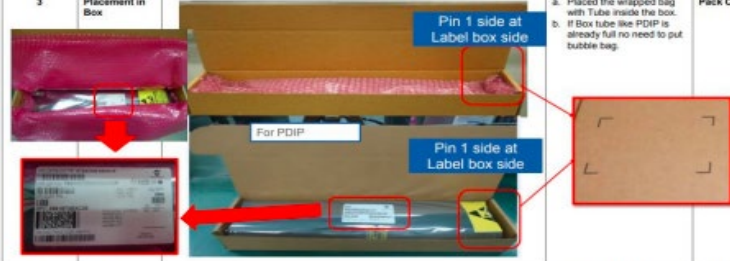


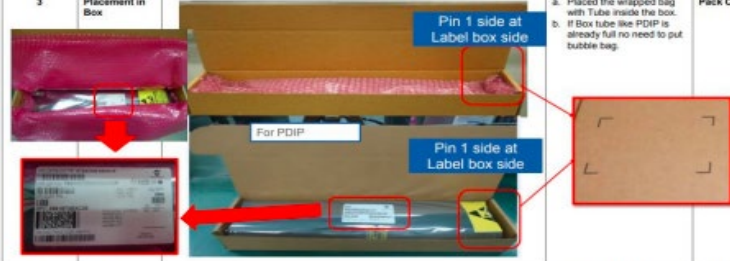




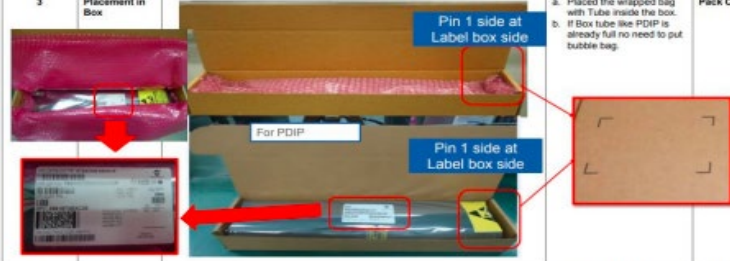


Media	Unit per Tube	Tube per Bag	Unit per Bag	Pin#1 Orientation
TUBE	50	40	2000	Toward White Pin

Tube Comparison



Scan&Pack Plant	Tube From	Tube Length (inch)	Center Hole A to Center Hole D (inch)	A (inch)	B (inch)	C (inch)	D (inch)	E (inch)	T (inch)	Color
ATP7	ANAP	20.00 +/-0.030	19.50 +/- 0.030	0.325 +/-0.010	0.215 +/-0.010	0.534 +/-0.010	0.198 +/-0.010	0.290 +/-0.010	0.025+/-0.005	Transparent Clear
MTAI	MMT	20.33 +/-0.025	19.28 +/- 0.050	0.320 +/-0.010	0.180 +/-0.005	0.470 +/-0.010	0.180 +/-0.010	0.235 +/-0.010	0.020 +/-0.003	Transparent Clear

Tube Comparison – Packing Method

Pre Change					Post Change																																																	
<div> <div>Subject: Microchip Tube Non Dry Pack Procedure</div> <div>Objective: To provide guidelines on how to Pack Tube (MSL1) lots.</div> <table> <tr> <th>Activity Flow</th><th>Work Procedure</th><th>How to do (Refer to photo)</th><th>Highlight Specific Item</th><th>Responsible</th></tr> <tr> <td>3</td><td>Placement in Box</td><td>  </td><td> a. Placed the wrapped bag with Tube inside the box. b. If Box tube like PDIP is already full no need to put bubble bag. </td><td>Pack Operator</td></tr> <tr> <td>4</td><td>Seal Box</td><td>  </td><td>Seal Box with transparent tape.</td><td>Pack Operator</td></tr> <tr> <td>5</td><td>Label Placement in reel</td><td>  </td><td> a. Place barcode label on the right side. b. QA stamp will be half. Refer on photo </td><td>Pack Operator</td></tr> </table> </div>					Activity Flow	Work Procedure	How to do (Refer to photo)	Highlight Specific Item	Responsible	3	Placement in Box		a. Placed the wrapped bag with Tube inside the box. b. If Box tube like PDIP is already full no need to put bubble bag.	Pack Operator	4	Seal Box		Seal Box with transparent tape.	Pack Operator	5	Label Placement in reel		a. Place barcode label on the right side. b. QA stamp will be half. Refer on photo	Pack Operator	<div> <div>Pink Anti-Static Bag</div>  <div>LABEL (MS-15068-9)</div>  <table> <tr> <th>Bag type</th><th>Dimension</th></tr> <tr> <td>Antistatic Pink Gusset</td><td>140 x 760mm</td></tr> </table> <div>(No inner box)</div> <table> <tr> <th>Carton</th><th>Dimension W x L x H (cm)</th><th>Number of Bag/carton</th></tr> <tr> <td>M01-020 (PD)</td><td>15x71.5x5</td><td>1</td></tr> <tr> <td>M01-021 (PI)</td><td>17x65x8</td><td>1</td></tr> <tr> <td>M01-022 (PP)</td><td>15.5x62x14</td><td>2</td></tr> <tr> <td>M01-023 (PT)</td><td>22.5x63x16.5</td><td>3</td></tr> <tr> <td>M01-024 (P4)</td><td>32x63x15.5</td><td>4</td></tr> <tr> <td>M01-034 (P5)</td><td>36x63x16.5</td><td>5</td></tr> </table> </div>					Bag type	Dimension	Antistatic Pink Gusset	140 x 760mm	Carton	Dimension W x L x H (cm)	Number of Bag/carton	M01-020 (PD)	15x71.5x5	1	M01-021 (PI)	17x65x8	1	M01-022 (PP)	15.5x62x14	2	M01-023 (PT)	22.5x63x16.5	3	M01-024 (P4)	32x63x15.5	4	M01-034 (P5)	36x63x16.5	5
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<div>Bag - BAG STATIC SHIELD 12INCHX25INCH</div> <div>Inner Box - BOX, M02-010 12.9x56.5x8 BX</div>																																																						