



Product Change Notification / KSRA-08RNWA795

Date:

10-Mar-2021

Product Category:

Car Access

PCN Type:

Manufacturing Change

Notification Subject:

CCB 3792 Final Notice: Qualification of MMT as an additional assembly site for Atmel ATA5279C-WGQW catalog part number (CPN) available in 48L VQFN (7x7x1mm) package.

Affected CPNs:

[KSRA-08RNWA795_Affected_CPN_03102021.pdf](#)
[KSRA-08RNWA795_Affected_CPN_03102021.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 MMT as an additional assembly site for Atmel ATA5279C-WGQW catalog part number (CPN) available in 48L VQFN (7x7x1mm) package.

Pre Change:

Assembled at ASCL using gold (Au) bond wire and EN-4900 die attach material without lead frame lead lock design

Post Change:

Assembled at ASCL using gold (Au) bond wire and EN-4900 die attach material without lead frame lead lock design
or

Assembled at MMT using palladium coated copper wire with gold flash (CuPdAu) bond wire and 3280 die attach material with lead frame lead lock design.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	ASE Group Chung-Li / ASCL	ASE Group Chung-Li / ASCL	Microchip Technology Thailand (Branch) / MMT
Wire material	Au	Au	CuPdAu
Die attach material	EN-4900	EN-4900	3280
Molding compound material	G700	G700	G700
Lead frame material	A194	A194	A194
Lead Lock (Locking Hole)	No	No	Yes

Impacts to Data Sheet:

Yes. POD (package outline drawing) change. See the changes below:

All units in millimeter (mm)		ASE Group Chung-Li ASCL			Microchip Technology Thailand (Branch) / MMT		
Dimension Limits		MIN	NOM	MAX	MIN	NOM	MAX
Number of Terminals	N	48			48		
Pitch	e	0.50			0.50 BSC		
Overall Height	A	0.80	0.85	0.90	0.80	0.90	1.00
Standoff	A1	0	0.035	0.05	0.00	0.035	0.05
Terminal Thickness	A3	0.16	0.21	0.26	0.203 REF		
Wettable Flank Step Cut Depth	A4	0.10	-	0.15	0.10	-	0.19
Overall Length	D	6.90	7.00	7.10	7.00 BSC		
Exposed Pad Length	D2	5.50	5.60	5.70	5.50	5.60	5.70
Wettable Flank Step Cut Width	D3	-	-	0.040	-	-	0.085
Overall Width	E	6.90	7.00	7.10	7.00 BSC		
Exposed Pad Width	E2	5.50	5.60	5.70	5.50	5.60	5.70
Terminal Width	b	0.20	0.25	0.30	0.20	0.25	0.30
Terminal Length	L	0.35	0.40	0.45	0.35	0.40	0.45
Terminal-to-Exposed-Pad	K	-	-	-	0.20	-	-

Note: These POD changes are within JEDEC limit so no significant impact other than a documentation change in the spec and/or datasheet.

Change Impact:

None

Reason for Change: To improve on-time delivery performance by qualifying MMT as an additional assembly site.

Due to unforeseen business conditions, MMT has been qualified as an additional assembly site effective immediately.

Change Implementation Status:

In Progress

Estimated First Ship Date:

January 01, 2021 (date code: 2101)

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

Time Table Summary:

	September 2019					→	November 2020				December 2020				January 2021				
Workweek	36	37	38	39	40		45	46	47	48	49	50	51	52	01	02	03	04	05
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:

September 30, 2019: Issued initial notification.**November 18, 2020:** Issued final notification. Revised the notification subject, description of change and corrected the pre and post change field and table summary based on the change scope. Provided estimated first ship date to be on January 01, 2021.

March 10, 2021: Re-issued final notification. Attached the qualification report. Revised the notification subject, description of change and corrected the pre and post change field and table summary based on the change scope. Updated the POD table for ASCL dimension data for the following: A, D3 and A4.

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

Attachments:

[PCN_KSRA-08RNA795_Pre and Post Change Summary.pdf](#)

[PCN_KSRA-08RNA795_Qual_Report.pdf](#)

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

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