

Product Change Notification - KSRA-08RNWA795

Date:

30 Sep 2019

Product Category:

Car Access

Affected CPNs:



Notification subject:

CCB 3792 Initial Notice: Qualification of MMT as an additional assembly site for selected Atmel Products of 75K wafer technology available in 48L VQFN (7x7x1mm) package

Notification text:

PCN Status:

Initial 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 MMT as an additional assembly site for selected Atmel Products of 75K wafer technology available in 48L VQFN (7x7x1mm) package

Pre Change:

Assembled at ASCL using EN-4900 die attach material, and palladium coated copper (PdCu) bond wire material.

Post Change:

Assembled at ASCL using EN-4900 die attach material, and palladium coated copper (PdCu) bond wire material, and assembled at MMT using 3280 die attach material, and palladium coated copper wire with gold flash (CuPdAu) bond wire material.

Pre and Post Change Summary:

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	Pre Change	Post Change				
Assembly Site	ASE Group Chung-Li / ASCL	ASE Group Chung-Li / ASCL	Microchip Technology Thailand (Branch) / MMT			
Wire material	PdCu	PdCu	CuPdAu			
Die attach material	EN-4900	EN-4900	3280			
Molding compound material	G700	G700	G700			
Lead frame material	A194	A194	A194			

Impacts to Data Sheet:

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

	ckage outline drawing) change. See the changes below.								
All inits in millimeter (mm)		ASE G	roup Chu	ıng-Li /	Microchip Technology				
	, ,		ASCL		Thailand (Branch) / MMT				
Dimension	on Limits	MIN	NOM	MAX	MIN	NOM	M		
							Α		
							Χ		
Number of	N	48			48				
Terminals									
Pitch	е	0.50			0.50 BSC				
Overall Height	А	0.80	0.85	0.90	0.80	0.90	1.		



							0		
Standoff	A1	0	0.035		0.00	0.035			
Terminal Thickness	A3	0.16	0.21	0.26	0.203 REF				
Wettable Flank Step Cut Depth	A4	1	-	1	0. 1 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. 7 0		
Wettable Flank Step Cut Width	D3	-	-	-	-	-	0. 08 5		
Overall Width	Е	6.90	7.00	7.10	7.00 BSC				
Exposed Pad Width	E2	5.50	5.60	5.70	5.50	5.60	5. 7 0		
Terminal Width	b	0.20	0.25	0.30	0.20	0.25	0. 3 0		
Terminal Length	L	0.35	0.40	0.45	0.35	0.40	0. 4 5		
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 and performance by qualifying MMT as an additional assembly site.

Change Implementation Status:

In Progress

Estimated Qualification Completion Date:

October 2019

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:

Time Takere Carring										
	September 2019				October 2019					
Workweek	36	37	38	39	40	41	42	43	44	45
Initial PCN Issue Date					X					
Qual Report Availability										X
Final PCN Issue Date										Х



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, 2019: 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.

Attachment(s):

PCN KSRA-08RNWA795 Qual Plan.pdf

Please contact your local <u>Microchip sales office</u> with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to <u>receive Microchip PCNs via email</u> please register for our PCN email service at our <u>PCN home page</u> select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the <u>PCN FAQ</u> section.

If you wish to <u>change your PCN profile</u>, <u>including opt out</u>, please go to the <u>PCN home page</u> 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)
ATA5279C-WGQW
Date: Monday, September 30, 2019
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