



Product Change Notification / JAON-20DIBE102

Date:

12-Feb-2021

Product Category:

Interface- LIN Transceiver

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4179 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel ATA663454 and ATA663431 device families available in 16L VDFN (3x5.5x1mm) package.

Affected CPNs:

[JAON-20DIBE102_Affected_CPN_02122021.pdf](#)

[JAON-20DIBE102_Affected_CPN_02122021.csv](#)

Notification Text:

PCN Status: Final 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 ATA663454 and ATA663431 device families available in 16L VDFN (3x5.5x1mm) package.

Pre Change:

Assembled at ASCL using PdCu bond wire, EN-4900G die attach, and C7025 lead frame material

Post Change: Assembled at ASCL using PdCu bond wire, EN-4900G die attach, and C7025 lead frame material or assembled at MMT using CuPdAu bond wire, 3280 die attach, and C194 lead frame material.

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)
Bond Wire material	PdCu	PdCu	CuPdAu
Die attach material	EN-4900G	EN-4900G	3280
Molding compound material	G700	G700	G700
Lead frame material	C7025	C7025	C194
Lead Lock	No	No	Yes
	See Pre and Post Change Summary for comparison.		

Impacts to Data Sheet: Yes. POD (package outline drawing) change. See the changes below:

All units in millimeter (mm)		ASE Group Chung-Li /			Microchip Technology		
		ASCL			Thailand (Branch) / MMT		
Dimension Limits		MIN	NOM	MAX	MIN	NOM	MAX
Number of Terminals	N	16			16		
Pitch	e	0.65 BSC			0.65 BSC		
Overall Height	A	0.80	0.85	0.90	0.80	0.90	1.00
Standoff	A1	0.00	0.035	0.05	0.00	0.035	0.05
Terminal Thickness	A3	0.203 REF			0.203 REF		
Wettable Flank Cut Depth	A4	0.1	0.13	0.15	0.10	-	0.19
Overall Length	D	5.50 BSC			5.50 BSC		
Exposed Pad Length	D2	4.60	4.70	4.80	4.60	4.70	4.80
Overall Width	E	3.00 BSC			3.00 BSC		
Exposed Pad Width	E2	1.50	1.60	1.70	1.50	1.60	1.70
Wettable Flank Step Cut Width	E3	-	-	0.04	-	-	0.085
Terminal Width	b	0.25	0.30	0.35	0.25	0.30	0.35
Terminal Length	L	0.35	0.40	0.45	0.35	0.40	0.45
Terminal-to-Exposed-Pad	K	0.20	-	-	0.20	-	-

Change Impact:

None

Reason for Change:

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

Change Implementation Status:

In Progress

Estimated First Ship Date:

April 1, 2021 (date code: 2114)

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

Time Table Summary:

	June 2020					-->	February 2021				-->	April 2021				
Workweek	2 3	2 4	2 5	2 6	32		6	7	8	9		14	15	26	17	18
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:

June 23, 2020: Issued initial notification.

February 12, 2021: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on April 1, 2021.

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

Attachments:

[PCN_JAON-20DIBE102_Pre and Post Change Summary.pdf](#)

[PCN_JAON-20DIBE102_Qual Report.pdf](#)

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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