



Product Change Notification: MAAN-02SNOG232

Date:

05-Sep-2025

Product Category:

32-Bit Microcontrollers

Notification Subject:

CCB 7736 Initial Notice: Qualification of ATP7 as an additional assembly site for AT91M42800A-33CJ catalog part number (CPN) available in 144L LBGA (13x13x1.35mm) package.

Affected CPNs:

[MAAN-02SNOG232_Affected_CPN_09052025.pdf](#)
[MAAN-02SNOG232_Affected_CPN_09052025.csv](#)

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 ATP7 as an additional assembly site for AT91M42800A-33CJ catalog part number (CPN) available in 144L LBGA (13x13x1.35mm) package.

Pre and Post Summary Changes:

	Pre Change	Post Change	
Assembly Site	ATX Semiconductor (Shanghai) Co. Ltd (ASSH)	ATX Semiconductor (Shanghai) Co. Ltd (ASSH)	Amkor Technology Philippines (P3/P4), INC. (ATP7)
Wire Material	Au	Au	Au
Die Attach Material	2100AS	2100AS	2300*

Molding Compound Material	KE-G1250	KE-G1250	G770FE*
Substrate Core Material	HL832NX	HL832NX	HL832NS*
Substrate Material	AUS308	AUS308	AUS308

Note: *PFAS free material

Impacts to Datasheet:

Yes. Refer to Package Outline Drawing (POD) comparison.

Dimension in mm		ASSH			ATP7		
		Min	Nom	Max	Min	Nom	Max
Number of Terminals	N	144			144		
Pitch	e	1.0 BSC			1.0 BSC		
Overall Height	A	-	-	1.35	-	-	1.34
Standoff	A1	0.25	0.3	0.35	0.21	0.33	
Package Thickness	A2	0.92	0.96	1	-		
Mold Thickness	A3	0.70 BSC			0.65	0.70	0.75
Overall Length	D	12.95	13	13.05	13.00 BSC		
Overall Width	E	12.95	13	13.05	13.00 BSC		
Terminal Diameter	b	0.35	0.40	0.45	0.35	0.40	0.45

Change Impact: None

Reason for Change: To improve on-time delivery performance by qualifying ATP7 as an additional assembly site.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: January 2026

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.

Timetable Summary:

	September 2025					>	January 2026				
Work Week	36	37	38	39	40		01	02	03	04	05
Initial PCN Issue Date	x										
Qual Report Availability									x		
Final PCN Issue Date									x		

Method to Identify Change: Traceability Code

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

Revision History: September 05, 2025: Issued initial notification.

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

Attachments:

[PCN_MAAN-02SNOG232_Qual_Plan.pdf](#)

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

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