



Product Change Notification: DSNO-10ZJGP451

Date:

12-Feb-2026

Product Category:

32-Bit Microcontrollers

Notification Subject:

CCB 7995 Initial Notice: Qualification of CRM-1076WA as a new die attach material for AT91M40800-33AU-101, AT91M40800-33AU-999 and AT91M40800-33AU catalog part number (CPN) available in 100L LQFP (14x14x1.4mm) package.

Affected CPNs:

[DSNO-10ZJGP451_Affected_CPN_02122026.pdf](#)

[DSNO-10ZJGP451_Affected_CPN_02122026.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 CRM-1076WA as a new die attach material for AT91M40800-33AU-101, AT91M40800-33AU-999 and AT91M40800-33AU catalog part number (CPN) available in 100L LQFP (14x14x1.4mm) package.

Pre and Post Summary Changes:

	Pre Change	Post Change	Change (Yes/No)
Assembly Site	ATX Semiconductor (Shanghai) Co. Ltd (ASSH)	ATX Semiconductor (Shanghai) Co. Ltd (ASSH)	No
Wire Material	Au	Au	No

Die Attach Material	ABP 2288A (PFAS-free)	CRM-1076WA (PFAS-free)	Yes
Molding Compound Material	CEL-9200THF	CEL-9200THF	No
Lead-Frame Material	C7025	C7025	No

Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve manufacturability by qualifying CRM-1076WA as a new die attach material.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: August 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:

	February 2026				>	August 2026				
Work Week	06	07	08	09		31	32	33	34	35
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: February 12, 2026: 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_DSNO-10ZJGP451_Qualification Plan.pdf](#)

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

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

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.

Affected Catalog Part Numbers (CPN):

AT91M40800-33AU-101

AT91M40800-33AU-999

AT91M40800-33AU



QUALIFICATION PLAN SUMMARY

PCN#: DSNO-10ZJGP451

**Date:
January 29, 2026.**

**Qualification of CRM-1076WA as a new die attach material for
AT91M40800-33AU-101, AT91M40800-33AU-999 and AT91M40800-
33AU catalog part numbers (CPN) available in 100L LQFP
(14x14x1.4mm) package.**

Purpose: Qualification of CRM-1076WA as a new die attach material for AT91M40800-33AU-101, AT91M40800-33AU-999 and AT91M40800-33AU catalog part numbers (CPN) available in 100L LQFP (14x14x1.4mm) package.

CCB No.: 7995

<u>Misc.</u>	Assembly site	ASSH
	BD Number	D-027000A
	MP Code (MPC)	565107H7XC03
	Part Number (CPN)	ATSAM3U4EA-AU
	MSL information	MSL-3
	Assembly Shipping Media (T/R, Tube/Tray)	Tray
	Base Quantity Multiple (BQM)	60
	Reliability Site	MTAI
<u>Lead-Frame</u>	Paddle size	240x240mils
	Material	C7025
	DAP Surface Prep	Double Ring
	Process	STAMPED
	Lead-lock	Back Side Dimples
	Part Number	LI-WC0EE0100-60-00
	Lead Plating	Matte Sn
	Strip Size	70x250
	Strip Density	3x10
<u>Bond Wire</u>	Material	Au
<u>Die Attach</u>	Part Number	CRM-1076WA (PFAS-free)
	Conductive	Conductive
<u>MC</u>	Part Number	CEL-9200THF
<u>PKG</u>	Package Type	LQFP
	Pin/Ball Count	100
	PKG width/size	14x14x1.4mm

Test Name	Conditions	Sample Size	Min. Qty of Spares per Lot (should be properly marked)	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	ATE Test Site	REL Test Site	Special Instructions
Wire Bond Pull - WBP	Mil. Std. 883-2011	5	0	1	5	0 fails after TC	5		ASSH	30 bonds from a min. 5 devices.
Wire Bond Shear - WBS	CDF-AEC-Q100-001	5	0	1	5	0	5		ASSH	30 bonds from a min. 5 devices.
Physical Dimmensions	Measure per JESD22 B100 and B108	10	0	3	30	0	5		ASSH	
External Visual	Mil. Std. 883-2009/2010	All devices prior to submission for qualification testing	0	3	ALL	0	5		ASSH	
HTSL (High Temp Storage Life)	JESD22-A103. +175 C for 504 hours or 150°C for 1008 hrs. Electrical test pre and post stress at +25C	45	5	1	50	0	10	ASE	MTAI	
Preconditioning - Required for surface mount devices	JESD22-A113. +150°C Bake for 24 hours, moisture loading requirements per MSL level + 3X reflow at peak reflow temperature per Jecdec-STD-020E for package type; Electrical test pre and post stress at +25°C. (MSL-3, 260C)	231	15	3	738	0	15	ASE	MTAI	Spares should be properly identified. 77 parts from each lot to be used for HAST, uHAST, Temp Cycle test.
UFAST	JESD22-A118. +130°C/85% RH for 96 hrs or +110°C/85% RH for 264 hrs x 2 (2 times uHAST to cover HAST test) Electrical test pre and post stress at +25°C	77	5	3	246	0	10	ASE	MTAI	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.
Temp Cycle	JESD22-A104. -65°C to +150°C for 500 cycles. Electrical test pre and post stress at +25°C; 3 gram force WBP, on 5 devices from 1 lot, test following Temp Cycle stress.	77	5	3	246	0	15	ASE	MTAI	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.