



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
<u>Bond Wire</u>	Strip Density	3x10
	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 Dimensions	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 +25°C	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.
UHAST	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.