

ESD TEST REPORT

Field-Induced Charged-Device Model

JS-002-2014

ANSI/ESDA/JEDEC Standard, Method JS-002-2014 is an ESD test using Field-Induced Charged-Device Model, three positive and three negative pulses applied to the devices per customer's specification with 0.5 second cool down between pulses.

Customer : Chongqing Alpha and Omega Semiconductor Limited

Address: No. 288 Yuefu Road, Beibei District, Chongqing, P.R. China

Device Information

Part No. :	AOCA32301	Sample Size :	3pcs
Package Type :	MCSP1.9X1.3	Pin Count :	4
Lot No. :	F0501	Date Code :	-
VDD Domains :	S2 S1	VSS Domains :	S1 S2

Test Equipment

Tester1 :	ZAPMASTER MK.2 SE	Serial No. :	0508317
Calibration Date :	Jun 20 th 2019	Expiration Date :	Jun 19 th 2020
Tester2 :	Orion Robotic CDM Test System	Serial No. :	0806294
Calibration Date :	Oct 11 th 2019	Expiration Date :	Oct 10 th 2020

Environmental Condition

Temperature :	23°C	Humidity :	30% RH
Submit date :	May 28 th 2020	Complete date :	May 28 th 2020



Stress Summary

CDM			
Sample No.	Voltage Level	Process	Spot Test Results* (Within 10µA @ 16V between G and S2/S1)
9#	±2kV	All Pins Done	PASS
10#		All Pins Done	PASS
11#		All Pins Done	PASS

Test Result*

Model	Pin Combinations	ESD Sensitivity Pass*: 2kV	V Class: C3
CDM	ALL PINS DONE	±2kV	JS-002-2014 Class C0a: <125V Class C0b: 125V to <250V Class C1: 250 to <500 V Class C2a: 500 to <750 V Class C2b: 750 to <1000 V Class C3: ≥1000V

*Note: Results will be updated based on customer final electrical test results.

Test Engineer: Wenping Yan	Date: May 28 th 2020
Approved by FA Manager: 	Date: May 28 th 2020 

Recommendations

EAG Shanghai certifies that above tests have been performed in accordance to the requirements stated above and per the customer purchase order and applicable documents.

EAG Shanghai recommends electrical testing as a validation of reported results. Curve Trace criteria was utilized to specify a pass or fail. Industry standards require the device to be tested functionally at post stress and should continue to meet all electrical parameters as per the data sheet.

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