ESD TEST REPORT

Human Body Model
JS-001-2017

ANSI/ESDA/JEDEC Standard, Method JS-001-2017 is an ESD test using Human Body Model where "R = 1500 ohm", "C = 100pf", one positive and one negative pulses applied to the devices per customer's specification with a minimum of 0.1 second cool down between pulses.

Customer : **Alpha & Omega Semiconductor (Shanghai), Ltd.**

Address: Building 8 & 9, No. 91, Lane 109, Rong Kang Road,
Songjiang Export Processing Zone, Zone B, # 888 Song Zheng Highroad, Shanghai

Device Information

Part No. :	AO4264C	Sample Size :	11pcs
Package Type :	SO8	Pin Count :	8
Lot No. :	NL005	Date Code :	-
VDD Domains :	D	VSS Domains :	S

Test Equipment

Tester :	ZAPMASTER MK.2 SE	Serial No. :	0508317
Calibration Date :	Jan 14th 2021	Expiration Date :	Jan 13th 2022

Environmental Condition

Temperature :	23ºC	Humidity :	50% RH
Submit date :	Apr 21st 2021	Complete date :	Apr 21st 2021

Curve Trace Criteria

	Pin Combinations		Force Voltage	Limit current
D	Vs.	S & G	-30V ~ +30V	50μA

Curve Trace Results Within 10% range.

Stress Summary

G TO S			
Sample No.	Stress Type	Voltage Level	Spot Test Results* (Within 10μA @ 20V between G and D/S)
1#	HBM	+3.4kV	FAILED
2#	HBM	±3.3kV	PASS
3#	HBM	±3.3kV	PASS
4#	HBM	±3.3kV	PASS

G TO D			
Sample No.	Stress Type	Voltage Level	Spot Test Results* (Within 10μA @ 20V between G and D/S)
5#	HBM	-3.4kV	FAILED
6#	HBM	±3.3kV	PASS
7#	HBM	±3.3kV	PASS
8#	HBM	±3.3kV	PASS

D TO S			
Sample No.	Stress Type	Voltage Level	Spot Test Results* (Within 10μA @ 20V between G and D/S)
9#	HBM	±8kV	PASS
10#	HBM	±8kV	PASS
11#	HBM	±8kV	PASS

Test Result*

Model	Pin Combinations	ESD Sensitivity Pass*: **3.3kV**	V Class	
HBM	G vs. S	±3.3kV	2	JS-001-2017 Class 0Z: <50V Class 0A: 50V~124V Class 0B: 125V~249V Class 1A: 250V~499V Class 1B: 500V~999V Class 1C: 1000V~1999V Class 2: 2000V~3999V Class 3A: 4000V~7999V Class 3B: ≥8000V
	G vs. D	±3.3kV		
	D vs. S	±8kV		

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

Test Engineer: Wenping Yan	Date: Apr 21st 2021
Approved by FA Manager: 李春	Date: Apr 21st 2021

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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