




NJ070NA-23A Design Verification Report Reliability Test			Judgment	Approve	Prepared
					
Model	NJ070NA-23A	Date	2021-12-27	Test area	RA Lab
Lab Ambient	23±5℃ , 50±20%RH	TEST Procedure		13QM100283 & 13QM100284	
ESD Ambient	15~35℃ , 30~60%RH				

1. Judge Criteria :

Item	Criteria
B	No function fail
C	Cosmetic must be in spec.

2. Test Result :

Test Item	Test Condition	Test Quantity	Judge Item	Result	Remark
High Temperature Storage	80℃ , 240hrs	5pcs	B,C	Pass	
Low Temperature Storage	-30℃ , 240hrs	5pcs	B,C	Pass	
High Temperature Operation	70℃ , 240hrs	5pcs	B,C	Pass	
Low Temperature Operation	-20℃ , 240hrs	5pcs	B,C	Pass	
Operate at High Temperature and Humidity	60℃ , 90% RH, 240hrs	5pcs	B,C	Pass	
Thermal Shock	-30℃/30 min ~ 80℃/30 min for a total 100 cycles	5pcs	B,C	Pass	
Vibration Test	Frequency: 10 ~55~10Hz; Sweep Mode: Log Sweep time: 1Oct/min; Acceleration: 1.5G; Test time: 2hrs for each direction of X, Y, Z.	5pcs	B,C	Pass	
Mechanical Shock	100G, 6ms, half sine wave, 3 times for each direction of ±X, ±Y, ±Z	5pcs	B,C	Pass	

Test Item	Test Condition	Test Quantity	Judge Item	Result	Remark
Package Vibration Test	Random Vibration : ISTA-3A 1Hz~200Hz, Grms=0.53 Half hours for direction of Z	50pcs	B,C	Pass	
Package Drop Test	72cm(weight \leq 10kg), 60cm(weight > 10kg); 1 times for 6-faces, 3-edges and 1-corner	50pcs	B,C	Pass	
Electro Static Discharge	Contact mode : 150pf , 330 Ω , \pm 2KV Air mode : 150pf , 330 Ω , \pm 2KV	5pcs	B,C	Pass	

3. Conclusion : Pass