



Reliability Test Result Report

LSI Type : BH1680FVC-TR
Package Type : WSOF5

PASS

【 Reliability Test Result 】

ITEM	TEST METHOD		DURATION	n	Pn
*2 Resistance to soldering heat	After the moisture soaking treatment, carry out the soldering heat stress(IR reflow .peak260°C)	JEITA ED4701-301	10sec	22	0
*1 Temperature Cycling	Tstg min (30min) / Tstg max (30min)	JEITA ED4701-105	100cycles	22	0
High Temperature Storage	Storage at Tstg max	JEITA ED4701-201	1000hours	22	0
Low Temperature Storage	Storage at Tstg min	JEITA ED4701-202	1000hours	22	0
*1 Temperature Humidity Storage	Place at 85°C/85%	JEITA ED4701-103	1000hours	22	0
*1 Temperature Humidity Bias	Apply the specified voltage at 85°C/85%	JEITA ED4701-102	1000hours	22	0
High Temperature Operation Life	Apply the specified voltage at Topr max	JEITA ED4701-101	1000hours	22	0
				(pcs)	(pcs)

【 Strength Test Result 】

ITEM	TEST METHOD		DURATION	n	Pn
Terminal strength	Pull force = 0.5N	JEITA ED4701-401	10sec	5	0
Solderability	Dipping temperature 215°C, (Pb)	JEITA ED4701-303	10sec	22	0
	Dipping temperature 245°C, (Pb free)	JEITA ED4701-303	5sec	22	0
Electro Static Discharge	C=100pF, R=1.5kΩ, 3times, ±2000V				
	HBM (Human Body Model)	JEITA ED4701-304	-	5	0
	C=200pF, R=0Ω, 3times, ±200V				
	MM (Machine Model)	-	-	5	0
	±750V				
	CDM (Charged Device Model)	JESD22-C101	-	5	0
Latch Up	Pulse current injection, trigger pulse current ±100mA	JEITA ED4701-306	-	5	0
				(pcs)	(pcs)

<*1> Soldering Heat examination is executed 3 times for the precondition.

<*2> Moisture soaking treatment Standard : 85°C 85% 168h / Dry packing : 30°C 70% 192h

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