

LTM4650 BGA at ASE Korea Qualification Results Summary

Test Name	Specification	Conditions	Device	Sample Size (lot x samples)	Results
High Temperature Storage Life (HTSL)	JESD22-A103	150°C, 1,000 Hours	LTM4650	1 x 50	Pass
Temperature Cycling (TC) ¹	JESD22-A104	-55°C/+125°C, 1,000 Cycles	LTM4650	1 x 77	Pass
Thermal Shock (TS) ¹	JESD22-A106	-55°C/+125°C, 1,000 Cycles	LTM4650	1 x 77	Pass
Unbiased HAST (UHST) ¹	JESD22-A118	110C 85%RH 17.7 psia, P264	LTM4650	1 x 77	Pass

¹ These samples were subjected to preconditioning (per J-STD-020 Level 3) prior to the start of the stress test. Level 3 preconditioning consists of the following: Bake: 48 hrs @ 125°C, Unbiased Soak: 192 hrs @ 30°C, 60%RH, Reflow: 3 passes through an oven with a peak temperature of 245°C.