

Qualification Plan Summary of 9x9mm, 10x10mm and 12x12mm Punched, Top Exposed Pad LFCSP at Amkor Philippines

QUALIFICATION PLAN			
TEST	SPECIFICATION	SAMPLE SIZE	EXPECTED COMPLETION DATE
Temperature Cycle (TC)*	<i>JEDEC JESD22-A104</i>	3 x 32	January 2016
Unbiased Highly Accelerated Stress Test (uHAST)*	<i>JEDEC JESD22-A118</i>	3 x 32	January 2016
Solder Heat Resistance (SHR)*	<i>JEDEC/IPC J-STD-020</i>	3 x 11	January 2016
High Temperature Storage (HTS)	<i>JEDEC JESD22-A103</i>	1 x 32	January 2016
Electrostatic Discharge <i>Field Induced Charge Device Model</i>	<i>JEDEC JESD22-C101</i>	3/voltage	January 2016

*Preconditioned per JEDEC/IPC J-STD-020

**Assembly Transfer of Large Body Punched LFCSP Products to Amkor Philippines
AP1**

**Qualification Results Summary of 9x9mm, 10x10mm and
12x12mm Punched LFCSP at Amkor Philippines**

QUALIFICATION PLAN			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 32	PASS
Unbiased Highly Accelerated Stress Test (uHAST)*	JEDEC <i>JESD22-A118</i>	3 x 32	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	PASS
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 32	PASS
Electrostatic Discharge <i>Field Induced Charge Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	PASS ±750V

*Preconditioned per JEDEC/IPC J-STD-020

