

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

**Qualification Results Summary of 4x4mm and 5x5mm  
Punched LFCSP at Amkor Philippines**

<b>QUALIFICATION PLAN</b>			
<b>TEST</b>	<b>SPECIFICATION</b>	<b>SAMPLE SIZE</b>	<b>EXPECTED COMPLETION DATE</b>
Temperature Cycle (TC)*	<i>JEDEC JESD22-A104</i>	3 x 77	PASS
Unbiased Highly Accelerated Stress Test (uHAST)*	<i>JEDEC JESD22-A118</i>	3 x 77	PASS
Solder Heat Resistance (SHR)*	<i>JEDEC/IPC J-STD-020</i>	3 x 11	PASS
High Temperature Storage (HTS)	<i>JEDEC JESD22-A103</i>	1 x 77	PASS
Electrostatic Discharge <i>Field Induced Charge Device Model</i>	<i>JEDEC JESD22-C101</i>	3/voltage	PASS ±1250V

\*Preconditioned per JEDEC/IPC J-STD-020

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AP1**

**Qualification Results Summary of Pad Down, Internal  
Paddle, Punched LFCSP at Amkor Philippines**

<b>QUALIFICATION PLAN</b>			
<b>TEST</b>	<b>SPECIFICATION</b>	<b>SAMPLE SIZE</b>	<b>RESULT</b>
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	Pass
Unbiased Highly Accelerated Stress Test (uHAST)*	JEDEC <i>JESD22-A118</i>	3 x 77	Pass
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	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