

Automotive Qualification Results Summary of 6x6 Sawn LFCSP Package at Amkor Philippines (ATP)

QUALIFICATION RESULTS			
Test	Conditions	Sample Size	Results
Temperature/Humidity Biase (THB)*	JEDEC JESD22-A101	3 x 77	Passed
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 77	Passed
Autoclave (AC)*	JEDEC <i>JESD22-A102</i>	3 x 77	Passed
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	Passed
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	3 x 77	Passed
Field-Induced Charged Device Model (FICDM)	JEDEC <i>JESD22-C101</i>	1 x 18	Passed

* 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: 1. Bake – 24 hours at 125°C; 2. Soak – unbiased soak for 192 hours at 30°C, 60%RH; 3. Reflow – three passes through a reflow oven with a peak temperature of 260°C. TC samples were subjected to wire-pull test after 500 cycles with results within specification limits.