

Qualification Results Summary of 7x7, 10x10, 12x12 TQFP_EP Using G700L/3230 at Amkor Philippines

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 32	Pass
Unbiased HAST (uHAST)*	JEDEC <i>JESD22-A118</i>	3 x 32	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 32	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	1 x 32	Pass
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass 500 V

*Preconditioned per JEDEC/IPC J-STD-020

Qualification Results Summary of 10x10, 12x12 TQFP_EP Using G700L/8361J at Amkor Philippines

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 32	Pass
Unbiased HAST (uHAST)*	JEDEC <i>JESD22-A118</i>	3 x 32	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 32	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	1 x 32	Pass
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass 1250 V

*Preconditioned per JEDEC/IPC J-STD-020

Qualification Result Summary of 14x14 LQFP Using G631HQ/3230 at Amkor Philippines

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULT
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 45	Pass
Unbiased HAST (uHAST)*	JEDEC <i>JESD22-A118</i>	3 x 45	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 45	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	1 x 45	Pass
Electrostatic Discharge <i>Field-Induced Charged Device Model (FICDM)</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass 250V

*Preconditioned per JEDEC/IPC J-STD-020

Qualification Results Summary of 14x14 LQFP Using G631HQ/3230/QMI536 at Amkor Philippines

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	EXPECTED COMPLETION DATE
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 45	Pass
Unbiased HAST (uHAST)*	JEDEC <i>JESD22-A118</i>	3 x 45	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 45	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	1 x 45	Pass
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/Voltage	Pass 1250 V

*Preconditioned per JEDEC/IPC J-STD-020

Qualification Results Summary of 14x14 TQFP_EP Using G631HQ/3230 at Amkor Philippines

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
Temperature Cycle (TC)*	JEDEC <i>JESD22-A104</i>	3 x 45	Pass
Unbiased HAST (uHAST)*	JEDEC <i>JESD22-A118</i>	3 x 45	Pass
Highly Accelerated Stress Test (HAST)*	JEDEC <i>JESD22-A110</i>	3 x 45	Pass
Solder Heat Resistance (SHR)*	JEDEC/IPC <i>J-STD-020</i>	3 x 11	Pass
High Temperature Storage Life (HTSL)	JEDEC <i>JESD22-A103</i>	1 x 45	Pass
Electrostatic Discharge <i>Field-Induced Charged Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass 750 V

*Preconditioned per JEDEC/IPC J-STD-020