

**Assembly Transfer of Non-Automotive MEMS in LCC, CBGA and LCC_V to Cirtek
Electronic Corporation**

**Qualification Results Summary of the
LCC Package at Cirtek**

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
Temperature Cycle (TC)	JEDEC <i>JESD22-A104</i>	3 x 77	Pass
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	Pass
Group D	MIL_STD-883, <i>M5005</i>	3 x 15	Pass
Solderability	JEDEC <i>JESD22-B102</i>	1 x 15	Pass
Random Drop	AEC – Q100 <i>Test G5</i>	1 x 5	Pass
Electrostatic Discharge <i>Field Induced Charge Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass 1000V

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**Qualification Results Summary of the
CBGA Package at Cirtek**

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
Temperature Cycle (TC)	JEDEC <i>JESD22-A104</i>	3 x 77	Pass
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	Pass
Group D	MIL_STD-883, <i>M5005</i>	3 x 15	Pass
Mechanical Shock - Powered	IEC 60068-2-27	3 x 10	Pass
Guided Drop	IEC 60068-2-32	1 x 5	Pass
Electrostatic Discharge <i>Field Induced Charge Device Model</i>	JEDEC <i>JESD22-C101</i>	3/voltage	Pass 500V

**Assembly Transfer of Non-Automotive MEMS in LCC, CBGA and LCC_V to Cirtek
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**Qualification Results Summary of the
LCC_V Package at Cirtek**

QUALIFICATION PLAN / STATUS			
TEST	SPECIFICATION	SAMPLE SIZE	RESULTS
Temperature Cycle (TC)	JEDEC <i>JESD22-A104</i>	3 x 77	Pass
High Temperature Storage (HTS)	JEDEC <i>JESD22-A103</i>	1 x 77	Pass
Group D	MIL_STD-883, <i>M5005</i>	3 x 15	Pass
Solderability	JEDEC <i>JESD22-A102</i>	1 x 15	Pass
Guided Drop	IEC 60068-2-32	1 x 5	Pass
Electrostatic Discharge <i>Field Induced Charge Device Model</i>	JEDEC <i>JS-002</i>	3/voltage	Pass 750V