Analog Devices, Inc. PCN Material Report (Proprietary Information)

Existing Material		Material Added		Material Removed	
GENERICNUMBER	MATERIALNUMBER	GENERICNUMBER	MATERIALNUMBER	GENERICNUMBER	MATERIALNUMBER
				AD8418	AD8418BRMZ
				AD8418	AD8418BRMZ-RL
				AD8418A	AD8418ABRMZ
				AD8418A	AD8418ABRMZ-RL

Material Set Change:

Package Material Set		Carsem	ASE Chungli
8L and 10L MSOP	Die Attach	Ablestik 84-1 LMISR4 Hysol QMI519	Hitachi EN4900
	Mold Compound	Sumitomo 6600H Hitachi CEL8240HF10LX Sumitomo G600	Sumitomo G700
	Wire	Tanaka GLD 4N Gold 1mil Tanaka M3 4N Gold 1mil Tanaka M3 Gold 1mil	Heraues Relmax 2N Au 1mil Tanaka GPG – 2N AU 0.8mil

MSOP at ASE Chungli (ASE-AET) Qualification

QUALIFICATION RESULT			
TEST	**SPECIFICATION**	**SAMPLE SIZE**	**RESULT**
Temperature Cycle (TC)*	JEDEC *JESD22-A104*	3 x 77	PASS
Highly Accelerated Stress Test (HAST)*	JEDEC *JESD22-A110*	3 x 77	PASS
Autoclave (AC)*	JEDEC *JESD22-A102*	3 x 77	PASS
Unbiased Highly Accelerated Stress Test (UHAST)*	JEDE *JESD22-A118*	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC *J-STD-020*	3 x 11	PASS
High Temperature Storage (HTS)	JEDEC *JESD22-A103*	1 x 77	PASS
Electrostatic Discharge *Field Induced Charge Device Model*	JEDEC *JESD22-C101*	3/voltage	PASS ±1250V

*Preconditioned per JEDEC/IPC J-STD-020

Automotive Qualification Results Summary of MSOP Package at ASE Chungli (ASE-AET)

QUALIFICATION RESULT			
TEST	**SPECIFICATION**	**SAMPLE SIZE**	**RESULT**
Temperature Cycle (TC)*	JEDEC *JESD22-A104*	3 x 77	PASS
Highly Accelerated Stress Test (HAST)*	JEDEC *JESD22-A110*	3 x 77	PASS
Unbiased Highly Accelerated Stress Test (UHAST)*	JEDEC *JESD22-A118*	3 x 77	PASS
Solder Heat Resistance (SHR)*	JEDEC/IPC *J-STD-020*	3 x 11	PASS
High Temperature Storage (HTS)	JEDEC *JESD22-A103*	3 x 77	PASS
Electrostatic Discharge *Field Induced Charge Device Model*	JEDEC *JESD22-C101*	3/voltage	PASS ±1250V

* These samples were subjected to preconditioning (per J-STD-020 Level 1) prior to the start of the stress test. Level 1 preconditioning consists of the following: Bake: 24 hrs @ 125°C, Unbiased Soak: 168 hrs @ 85°C, 85%RH, Reflow: 3 passes through an oven with a peak temperature of 260°C. TC samples were subjected to wire-pull test after 500 cycles with results within specification limits