

Material Declaration Report

Package Type:	SOT23 5L
Pericom Package Code:	T5(Pb-free)
RoHS Compliance:	Yes
Applicable Exemption:	N/A

Component Weight (mg):	16.611
Termination Plating:	Matte Tin
JESD 97 Pb-free Category:	e3
Plating Thickness (um):	10-20
Tin Whisker Mitigation:	Anneal, 150C/1hr

MSL Rating:	1
Peak Body Temp (C):	260
Max Time (sec):	40
Reflow Cycles:	3
Rev Date:	6/4/2008

Homogeneous Material Declaration

MATERIAL ITEM	MATERIAL WEIGHT(mg)	ASSEMBLY SUBCON	MATERIAL COMPOSITION	CAS NO.	COMPOSITION %	COMPOSITION WEIGHT(mg)
MOLD COMPOUND	8.396	UNI-M and UTL	Silica Fused	60676-86-0	88.000	7.3885
			Epoxy Resin	Proprietary	5.000	0.4198
			Phenolic Resin	Proprietary	4.500	0.3778
			Epoxy, Cresol Novolac	29690-82-2	2.000	0.1679
			Carbon Black	1333-86-4	0.500	0.0420
LEADFRAME	7.281		Copper	7440-50-8	97.021	7.0641
			Iron	7439-89-6	2.350	0.1711
			Silver	7440-22-4	0.453	0.0330
			Zinc	7440-66-6	0.111	0.0081
			Phosphorus	7723-14-0	0.065	0.0047
SILICON DIE	0.356		Silicon (Si)	7440-21-3	99.192	0.3531
			Non-hazardous Metal	Proprietary	0.808	0.0029
DIE ATTACH EPOXY	0.052		Crystalline Silica	14808-60-7	45.000	0.0234
			Phenolic Resin	28064-14-4	30.000	0.0156
			1, 4-Bis (2, 3-Epoxypropoxy) butane	2425-79-8	20.000	0.0104
			Alvosulfone	80-08-0	5.000	0.0026
GOLD WIRE	0.073		Gold(Au)	7440-57-5	99.990	0.0730
			Impurities	-	0.010	0.0000
SOLDER PLATING	0.453		Tin (Sn)	7440-31-5	99.990	0.4530
			Impurity	-	0.010	0.0000

NOTE: The device contents disclosed are approximated and are based on engineering estimates.

3rd Party Analysis Results (PPM)

MATERIAL	Pb	Hg	Cr+6	Cd	PBB	PBDE
Mold Compound	<2	<2	<2	<2	<5	<5
Leadframe	<50	<2	<2	<2	<5	<5
Device Silicon Die	<2	<2	<2	<2	<5	<5
Die Attach Epoxy	<2	<2	<2	<2	<5	<5
Gold Wire	<2	<2	<2	<2	<5	<5
Solder Plating	<50	<2	<2	<2	<5	<5

ROHS MATERIAL COMPOSITION DECLARATION

EU RoHS Directive 2002/95/EC and China RoHS Directive SJ/T11363-2006	Declaration Statement:	Quantity limit of 0.1% (1000 PPM) by mass in homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium(Cr+6), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE); and Quantity limit of 0.01% (100 PPM) for Cadmium				
		Pb	Hg	Cr+6	Cd	PBB
	<1000ppm	<1000ppm	<1000ppm	<100ppm	<1000ppm	<1000ppm
	O	O	O	O	O	O

O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.
X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363-2006.