

Material Declaration Report

Package Type:	TSSOP 14L (4.4mm)
Pericom Package Code:	L14(Pb-free)
RoHS Compliance:	Yes
Applicable Exemption:	N/A

Component Weight (mg):	52.360
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:	8/1/2008

Homogeneous Material Declaration

MATERIAL ITEM	MATERIAL WEIGHT(mg)	ASSEMBLY SUBCON	MATERIAL COMPOSITION	CAS NO.	COMPOSITION %	COMPOSITION WEIGHT(mg)
MOLD COMPOUND	26.479	UTL	Silica Fused Epoxy Resin Phenolic Resin Epoxy, Cresol Novolac Carbon Black	60676-86-0 Proprietary Proprietary 29690-82-2 1333-86-4	88.000 5.000 4.500 2.000 0.500	23.3011 1.3239 1.1915 0.5296 0.1324
LEADFRAME	18.242		Copper Nickel Silver Silicon Magnesium	7440-50-8 7440-02-0 7440-22-4 7440-21-3 7439-95-4	95.140 3.200 0.760 0.725 0.175	17.3556 0.5838 0.1386 0.1323 0.0319
SILICON DIE	0.873		Silicon (Si) Non-hazardous Metal	7440-21-3 Proprietary	99.192 0.808	0.8657 0.0071
DIE ATTACH EPOXY	0.727	UTL	Silver Functionalized Urethane Diester Resin Epoxy Resin	7440-22-4 72869-86-4 94-80-4 Proprietary	80.000 8.000 7.000 5.000	0.5818 0.0582 0.0509 0.0364
GOLD WIRE	0.145		Gold(Au) Impurities	7440-57-5 -	99.990 0.010	0.1445 0.0000
SOLDER PLATING	5.894		Tin (Sn) Impurity	7440-31-5 -	99.990 0.010	5.8930 0.0006

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
Device	Mold Compound	<2	<2	<2	<2	<5	<5
	Leadframe	<50	<2	<2	<2	<5	<5
	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	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																		
and																			
China RoHS Directive SJ/T11363-2006	<table><tr><td>Pb</td><td>Hg</td><td>Cr+6</td><td>Cd</td><td>PBB</td><td>PBDE</td></tr><tr><td><1000ppm</td><td><1000ppm</td><td><1000ppm</td><td><100ppm</td><td><1000ppm</td><td><1000ppm</td></tr><tr><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td></tr></table>	Pb	Hg	Cr+6	Cd	PBB	PBDE	<1000ppm	<1000ppm	<1000ppm	<100ppm	<1000ppm	<1000ppm	O	O	O	O	O	O
Pb	Hg	Cr+6	Cd	PBB	PBDE														
<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.																		