

Material Declaration Report



Package Type:	SOT143-4
Pericom Package Code:	TB04 (Pb-free)
RoHS Compliance:	Yes
Applicable Exemption:	N/A

Component Weight (mg):	10.925
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):	30
Reflow Cycles:	3
Rev Date:	Mar.05.2009

Homogeneous Material Declaration

MATERIAL ITEM	MATERIAL WEIGHT(mg)	ASSEMBLY SUBCON	MATERIAL COMPOSITION	CAS NO.	COMPOSITION %	COMPOSITION WEIGHT(mg)
MOLD COMPOUND	6.389	J	Silica,amorphous,fused Carbon black	60676-86-0 1333-86-4	99.45 0.55	6.35386 0.03514
LEAD FRAME	3.790		Cu Silver	7440-50-8 7440-22-4	98.75 1.25	3.74263 0.04738
TERMINATION PLATING	0.0850		Tin Impurity	7440-31-5 Proprietary	99.90 0.10	0.08492 0.00009
SILICON DIE	0.350		Silicon Aluminum(Al) Copper(Cu) Titanium(Ti) Phosphorus(P) Boron(B)	7440-21-3 7429-90-5 7440-50-8 7440-32-6 7664-38-2 7440-42-8	99.763 0.200 0.001 0.028 0.003 0.005	0.34917 0.00070 0.00000 0.00010 0.00001 0.00002
DIE ATTACH EPOXY	0.250		Silicon Dioxide Epoxy resin Curing Agent and Hardener	14464-46-1 29690-82-2 N/A	46.25 46.25 7.50	0.11563 0.11563 0.01875
GOLD WIRE	0.061		Au Other materials	7440-57-5 Proprietary	99.99 0.01	0.06099 0.00001

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	<2	<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	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.