

Material Declaration Report



Package Type:	CSP8
Pericom Package Code:	GA08
RoHS Compliance:	Yes
Applicable Exemption:	N/A

Component Weight (mg):	2.192mg
Termination Plating:	SnAgCu
JESD 97 Pb-free Category:	e1
Plating Thickness (um):	N/A
Tin Whisker Mitigation:	N/A

MSL Rating:	1
Peak Body Temp (C):	260
Max Time (sec):	30
Reflow Cycles:	3
Rev Date:	Nov 20,2012

Homogeneous Material Declaration

MATERIAL ITEM	MATERIAL WEIGHT(mg)	ASSEMBLY SUBCON	MATERIAL COMPOSITION	CAS NO.	COMPOSITION %	COMPOSITION WEIGHT(mg)
Silicon Die	1.55000000	A	Silicon	7440-21-3	99.763	1.54633
			Aluminum(Al)	7429-90-5	0.200	0.00310
			Copper(Cu)	7440-50-8	0.001	0.00002
			Titanium(Ti)	7440-32-6	0.028	0.00043
			Phosphorus(P)	7664-38-2	0.003	0.00005
			Boron(B)	7440-42-8	0.005	0.00008
Solder Ball	0.35200000		Cu	7440-50-8	Secret	0.35200
			Sn	7440-31-5	Secret	
			Ag	7440-22-4	Secret	
UBM	0.02260000		Cu	7440-50-8	0.989	0.02236
			Ti	7440-32-6	0.010	0.00022
Polyimide	0.02780000		N-methyl-2-pyrrolidone(NMP)	872-50-4	Secret	0.02780
			Polyamic acid ester	Trade secret	Secret	
			Tetraethyleneglycole Dimethacrylate	109-17-1	Secret	
			Ethly lactate(EL)	97-64-3	Secret	
			Trade secret	Trade secret	Secret	
Back coating	0.00000002		Epoxy Resin Compound	Trade secret	Secret	0.00000002
			Epoxide	Trade secret	Secret	
			Silica	60676-86-0	Secret	

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
Silicon Die	<5	<2	<2	<2	<5	<5
Solder Ball	<50	<2	<2	<2	<5	<5
Device UBM	<2	<2	<2	<2	<5	<5
Polyimide	<2	<2	<2	<2	<5	<5
Back coating	<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.							