

Material Declaration Report



Part Number:	PI2EQX3201BZFE
Package Type:	TQFN 36L
Pericom Package Code:	ZF36 (Pb-free)
RoHS Compliance:	Yes
Applicable Exemption:	N/A
Date of RoHS Compliant:	Since Inception

Component Weight (mg):	72.573
Termination Plating:	NIPdAu
JESD 97 Pb-free Category:	e4
Plating Thickness (um):	0.5-2.2
Tin Whisker Mitigation:	N/A

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

Homogeneous Material Declaration

ITEM	MATERIAL WEIGHT(mg)	MATERIAL COMPOSITION	CAS NO.	COMPOSITION %	COMPOSITION WEIGHT(mg)
MOLD COMPOUND	41.420	Silica fuse	60676-86-0	90.500	37.4851
		Epoxy resin	129915-35-1	4.500	1.8639
		Phenol resin	65521-80-4	4.500	1.8639
		Carbon black	1333-86-4	0.500	0.2071
LEADFRAME	26.379	Copper (Cu)	7440-50-8	97.440	25.7037
		Iron (Fe)	7439-89-6	2.350	0.6199
		Phosphorus (P)	7723-14-0	0.080	0.0211
		Zinc (Zn)	7440-66-6	0.130	0.0343
SILICON DIE	2.590	Silicon (Si)	7440-21-3	99.192	2.5691
		Non-hazardous Metal	Proprietary	0.808	0.0209
DIE ATTACH EPOXY	1.253	Silver	7440-22-4	80.000	1.0024
		Acrylate Resin	Proprietary	16.000	0.2005
		Heterocyclic organic compound	Proprietary	2.000	0.0251
		Treated Silica	7631-86-9	2.000	0.0251
GOLD WIRE	0.679	Gold(Au)	7440-57-163	99.990	0.6789
		Impurities	-	0.010	0.0001
SOLDER PLATING	0.252	Nickel(Ni)	7440-02-0	93.000	0.2344
		Palladium(Pd)	2023-56-8	6.000	0.0151
		Gold(Au)	7440-57-5	1.000	0.0025

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	<19	<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
	<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.