

Material Declaration Report



Package Type:	UDFN1.2X1.6-8L
Pericom Package Code:	XV08
RoHS Compliance:	Yes
Applicable Exemption:	N/A

Component Weight (mg):	4.310
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:	May.8.2013

Homogeneous Material Declaration

MATERIAL ITEM	MATERIAL WEIGHT(mg)	ASSEMBLY SUBCON	MATERIAL COMPOSITION	CAS NO.	COMPOSITION %	COMPOSITION WEIGHT(mg)
MOLD COMPOUND	1.910	J	Silica	60676-86-0	84.50	1.61395
			Epoxy Resin	Trade secret	5.50	0.10505
			Phenol Resin	Trade secret	3.50	0.06685
			Carbon Black	1333-86-4	0.20	0.00382
			Magnesium, Zinc hydroxide	Trade secret	6.30	0.12033
LEAD FRAME	1.880		Ni	7440-02-0	13.00	0.24440
			Cu	7440-50-8	71.56	1.34533
			Pd	2023568	0.40	0.00752
			Au	7440-50-8	0.04	0.00075
			Compound	14808-60-7/7631-86	15.00	0.28200
TERMINATION PLATING	NA		NA	NA	NA	NA
SILICON DIE	0.350		Silicon	7440-21-3	99.763	0.34917
			Aluminum(Al)	7429-90-5	0.200	0.00070
			Copper(Cu)	7440-50-8	0.001	0.00000
			Titanium(Ti)	7440-32-6	0.028	0.00010
			Phosphorus(P)	7664-38-2	0.003	0.00001
			Boron(B)	7440-42-8	0.005	0.00002
DIE ATTACH EPOXY	0.110		Aluminum oxide	1344-28-1	35.00	0.03850
			Diethylene glycol monoethyl ether acetate	112-15-2	35.00	0.03850
			Epoxy Resin(Trade Secret-10114)	TS ref#10114	18.00	0.01980
			Epoxy Resin(Trade Secret-10104)	TS ref#10104	9.00	0.00990
			Aromatic amine(Trade Secret-10039)	TS ref#10039	3.00	0.00330
GOLD WIRE	0.060		Au	7440-57-5	99.99	0.05999
			Impurity		0.01	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
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.