



Semiconductor Device Type:						Package Homogeneous Materials					
B3X			8 DFN 2x3x0.9mm Matte Tin								
Basic Substance	CAS Number	"Contained In" Sub-Component	% Total Weight	mg/part	ppm	0.51	(mg) Total	Die	% of Total Weight	3.27	
Silicon	7440-21-3	Die	3.21	0.50	32090		Silicon	7440-21-3	98.00		
Aluminum	7429-90-5	Die	0.01	0.00	112		Aluminum	7429-90-5	0.34		
Tungsten	7440-33-7	Die	0.05	0.01	535		Tungsten	7440-33-7	1.63		
Titanium	7440-32-6	Die	0.00	0.00	9		Titanium	7440-32-6	0.03		
Copper	7440-50-8	Lead Frame	41.82	6.54	418226		Total 100.00				
Iron	7439-89-6	Lead Frame	1.01	0.16	10089						
Phosphorus	7723-14-0	Lead Frame	0.03	0.01	343	6.72	(mg) Total	Lead Frame	% of Total Weight	42.93	
Zinc	7440-66-6	Lead Frame	0.06	0.01	558		Copper	7440-50-8	97.42		
Lead	7439-92-1	Lead Frame	0.01	0.00	86		Iron	7439-89-6	2.35		
Silver	7440-22-4	Lead Frame Plating	0.52	0.08	5222		Phosphorus	7723-14-0	0.08		
Silver	7440-22-4	Die Attach	0.77	0.12	7685		Zinc	7440-66-6	0.13		
Isobornyl Methacrylate	7534-94-3	Die Attach	0.05	0.01	528		Lead	7439-92-1	0.02		
Lauryl Acrylate	2156-97-0	Die Attach	0.05	0.01	528		Total 100.00				
1,6-Hexanediol Diacrylate	13048-33-4	Die Attach	0.01	0.00	53						
N-Methyl-2-Pyrrolidone	872-50-4	Die Attach	0.00	0.00	7	0.08	(mg) Total	Lead Frame Plating	% of Total Weight	0.52	
Copper	7440-50-8	Bond Wire (CuPdAu Flash Layers)	0.66	0.10	6583		Silver	7440-22-4	100.00		
Palladium	7440-05-3	Bond Wire (CuPdAu Flash Layers)	0.02	0.00	206		Total 100.00				
Gold	7440-57-5	Bond Wire (CuPdAu Flash Layers)	0.01	0.00	69						
Epoxy Resin	Trade secret	Mold Compound	2.46	0.38	24550	0.14	(mg) Total	Die Attach	% of Total Weight	0.88	
Phenol Resin	Trade secret	Mold Compound	1.33	0.21	13257		Silver	7440-22-4	87.33		
Silica (Amorphous)A	60676-86-0	Mold Compound	42.72	6.68	427176		Isobornyl Methacrylate	7534-94-3	6.00		
Silica (Amorphous)B	7631-86-9	Mold Compound	2.46	0.38	24550		Lauryl Acrylate	2156-97-0	6.00		
Carbon Black	1333-86-4	Mold Compound	0.15	0.02	1473		1,6-Hexanediol Diacrylate	13048-33-4	0.60		
Tin	7440-31-5	Lead Finish Plating	2.61	0.41	26064		N-Methyl-2-Pyrrolidone	872-50-4	0.08		
TOTALS:			100.00	15.65	1,000,000	Total 100.00					
15.65 mg Total Mass											
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							0.11	(mg) Total	Bond Wire (CuPdAu Flash Layers)	% of Total Weight	0.69
								Copper	7440-50-8	96.00	
								Palladium	7440-05-3	3.00	
								Gold	7440-57-5	1.00	
							Total 100.00				
							7.68	(mg) Total	Mold Compound	% of Total Weight	49.10
								Epoxy Resin	Trade secret	5.00	
								Phenol Resin	Trade secret	2.70	
								Silica (Amorphous)A	60676-86-0	87.00	
								Silica (Amorphous)B	7631-86-9	5.00	
								Carbon Black	1333-86-4	0.30	
							Total 100.00				
							0.41	(mg) Total	Lead Finish Plating	% of Total Weight	2.61
								Tin	7440-31-5	100.00	
15.65							Total		100.00	100.00	