



Semiconductor Device Type: 3BX_SOIC_8_3.90mm(.150in)_NiPdAu						Package Homogeneous Materials				
Sub-Component	Basic Substance	CAS Number	% Total Weight	mg/part	ppm	52.54	(mg) Total	Mold Compound	% of Total Weight	70.05
Mold Compound	Silica, Fused	60676-86-0	61.43	46.075	614339		Silica, Fused	60676-86-0	87.70	
Mold Compound	Epoxy Resin	Trade Secret	3.50	2.627	35025		Epoxy Resin	Trade Secret	5.00	
Mold Compound	Epoxy, Cresol Novolac	29690-82-2	1.40	1.051	14010		Epoxy, Cresol Novolac	29690-82-2	2.00	
Mold Compound	Phenol Resin	Trade Secret	3.50	2.627	35025		Phenol Resin	Trade Secret	5.00	
Mold Compound	Carbon Black	1333-86-4	0.21	0.158	2102		Carbon Black	1333-86-4	0.30	
Lead Frame	Copper	7440-50-8	26.84	20.131	268408		Total		100.00	
Lead Frame	Iron	7439-89-6	0.04	0.030	404					
Lead Frame	Phosphorous	7723-14-0	0.01	0.008	108	20.18	(mg) Total	Lead Frame	% of Total Weight	26.90
Lead Frame	Zinc	7440-66-6	0.01	0.006	81		Copper	7440-50-8	99.78	
Die Attach	Silver	7440-22-4	0.08	0.063	840		Iron	7439-89-6	0.15	
Die Attach	Epoxy Resin	Trade Secret	0.01	0.004	50		Phosphorous	7723-14-0	0.04	
Die Attach	Cashew, nutshell liq. Polymer with epichlorohydrin	68413-24-1	0.01	0.004	50		Zinc	7440-66-6	0.03	
Die Attach	Toluene	108-88-3	0.01	0.004	50		Total		100.00	
Die Attach	2-Heptyl-3,4-bis(9-isocyanatononyl)-1- pentylcyclohexane	68239-06-5	0.00	0.000	5					
Die Attach	1,1'-(methylenedi-p-phenylene)bismaleimide	13676-54-5	0.00	0.000	5	0.08	(mg) Total	Die Attach	% of Total Weight	0.10
Die	Silicon	7440-21-3	0.95	0.713	9500		Silver	7440-22-4	84.00	
Wire Bond	Gold	7440-57-5	0.50	0.375	5000		Epoxy Resin	Trade Secret	5.00	
Plating	Nickel	7440-02-0	1.39	1.043	13905		Cashew, nutshell liq. Polymer with epichlorohydrin	68413-24-1	5.00	
Plating	Palladium	7440-05-3	0.10	0.073	975		Toluene	108-88-3	5.00	
Plating	Gold	7440-57-5	0.01	0.009	120		2-Heptyl-3,4-bis(9-isocyanatononyl)-1- pentylcyclohexane	68239-06-5	0.50	
TOTALS: 75.00 mg Total Mass			100.00	75.00	1,000,000		1,1'-(methylenedi-p-phenylene)bismaleimide	13676-54-5	0.50	
							Total		100.00	
						0.71	(mg) Total	Die	% of Total Weight	0.95
							Silicon	7440-21-3	100.00	
							Total		100.00	
						0.38	(mg) Total	Wire Bond	% of Total Weight	0.50
							Gold	7440-57-5	100.00	
							Total		100.00	
						1.13	(mg) Total	Plating	% of Total Weight	1.50
							Nickel	7440-02-0	92.70	
							Palladium	7440-05-3	6.50	
							Gold	7440-57-5	0.80	
						75.00	Total	100.00		100.00

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