




<div>MICROCHIP</div>						Package Homogeneous Materials				
Semiconductor Device Type:			C2X	SOIC 8 3.90mm Matte Tin						
Basic Substance	CAS Number	"Contained In" Sub-Component	% Total Weight	mg/part	ppm	10.27	(mg) Total	Die	% of Total Weight	9.60
Silicon	7440-21-3	Die	9.60	10.27	96024		Silicon	7440-21-3	100.00	
Copper	7440-50-8	Lead Frame	26.28	28.11	262751		Total 100.00			
Iron	7439-89-6	Lead Frame	0.63	0.68	6341					
Phosphorus	7723-14-0	Lead Frame	0.02	0.02	216	28.85	(mg) Total	Lead Frame	% of Total Weight	26.97
Zinc	7440-66-6	Lead Frame	0.04	0.04	351		Copper	7440-50-8	97.43	
Lead	7439-92-1	Lead Frame	0.00	0.00	27		Iron	7439-89-6	2.35	
Silver	7440-22-4	Lead Frame Plating	0.01	0.01	135		Phosphorus	7723-14-0	0.08	
Amorphous Silica	60676-86-0	Mold Compound	54.56	58.36	545556		Zinc	7440-66-6	0.13	
Phenol Resin	Trade Secret	Mold Compound	2.49	2.66	24883		Lead	7439-92-1	0.01	
Epoxy Resin#2	Trade Secret	Mold Compound	2.18	2.33	21772		Total 100.00			
Epoxy Resin#1	Trade Secret	Mold Compound	1.87	2.00	18662					
Crystal silica	Trade Secret	Mold Compound	0.93	1.00	9331	0.01	(mg) Total	Lead Frame Plating	% of Total Weight	0.01
Carbon black	1333-86-4	Mold Compound	0.19	0.20	1866		Silver	7440-22-4	100.00	
Gold	7440-57-5	Bonding Wire	1.08	1.16	10805		Total 100.00			
Impurities	Trade Secret	Bonding Wire	0.00	0.00	1					
Silver	7440-22-4	Die Attach Epoxy	0.10	0.11	1014	66.55	(mg) Total	Mold Compound	% of Total Weight	62.21
2,2'-[[2-(2-Oxiranylmethoxy)-1,3-phenylene]bis(methylene)]bis[oxirane]	13561-08-5	Die Attach Epoxy	0.01	0.01	74		Amorphous Silica	60676-86-0	87.70	
Fatty acids, C18-unsatd., dimers, polymers with epichlorohydrin	68475-94-5	Die Attach Epoxy	0.01	0.01	74		Phenol Resin	Trade Secret	4.00	
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol	9003-36-5	Die Attach Epoxy	0.01	0.01	74		Epoxy Resin#2	Trade Secret	3.50	
Tin	7440-31-5	Lead Finish Plating	0.00	0.00	41		Epoxy Resin#1	Trade Secret	3.00	
TOTALS:			100.00	106.98	1,000,000		Crystal silica	Trade Secret	1.50	
							Carbon black	1333-86-4	0.30	
106.98 mg Total Mass							Total 100.00			
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