



Semiconductor Device Type:			J7X	DDPAK 5L Matte Tin			Package Homogeneous Materials			
Basic Substance	CAS Number	"Contained In" Sub-Component	% Total Weight	mg/part	ppm	0.06	(mg) Total	Die	% of Total Weight	0.41
Silicon	7440-21-3	Die	0.41	0.06	4106		Silicon	7440-21-3	100.00	
Copper	7440-50-8	Leadframe	53.35	8.24	533503	Total 100.00				
Iron	7439-89-6	Leadframe	0.03	0.00	267	8.25	(mg) Total	Leadframe	% of Total Weight	53.40
Phosphorus	7723-14-0	Leadframe	0.01	0.00	133					
Silver	7440-22-4	Leadframe	0.01	0.00	80					
Silver	7440-22-4	Die Attach Material	0.09	0.01	914					
Epoxy Resin	9003-36-5	Die Attach Material	0.01	0.00	54					
Diluent A	Trade Secret	Die Attach Material	0.00	0.00	1					
P-tert-Butylphenyl Glycidyl Ether	3101-60-8	Die Attach Material	0.00	0.00	1	0.02	(mg) Total	Die Attach Material	% of Total Weight	0.10
Hardener A	Trade Secret	Die Attach Material	0.00	0.00	1					
Hardener B	Trade Secret	Die Attach Material	0.00	0.00	1					
Solvent	Trade Secret	Die Attach Material	0.00	0.00	5					
Organic Peroxide	Trade Secret	Die Attach Material	0.00	0.00	5					
Gold	7440-57-5	Gold Wire Bump	0.22	0.03	2208					
Other	Trade Secret	Gold Wire Bump	0.00	0.00	0	P-tert-Butylphenyl Glycidyl Ether	Hardener A	Trade Secret	0.08	
Copper	7440-50-8	Bonding Wire	3.24	0.50	32394					
Other	Trade Secret	Bonding Wire	0.00	0.00	3					
Epoxy Resin A	Trade secret	Mold Compound	2.13	0.33	21290					
Epoxy Resin B	29690-82-2	Mold Compound	1.28	0.20	12774					
Phenol Resin	Trade secret	Mold Compound	1.28	0.20	12774					
Vitreous Silica	60676-86-0	Mold Compound	36.19	5.59	361927	0.03	(mg) Total	Gold Wire Bump	% of Total Weight	0.22
Silica	7631-86-9	Mold Compound	1.28	0.20	12774					
Carbon Black	1333-86-4	Mold Compound	0.43	0.07	4258					
Tin	7440-31-5	Lead Finish Plating	0.05	0.01	526					
Other	Trade Secret	Lead Finish Plating	0.00	0.00	0					
TOTALS:			100.00	15.44	1,000,000					
15.44 mg Total Mass						0.50	(mg) Total	Bonding Wire	% of Total Weight	3.24
The information contained in this Material Content Declaration (MCD) consists of package-level information and is not part number specific. This information is considered to be sufficiently representative of all part numbers for the package type.							Copper	7440-50-8	99.99	
							Other	Trade Secret	0.01	
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						6.58	(mg) Total	Mold Compound	% of Total Weight	42.58
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							Epoxy Resin B	29690-82-2	3.00	
							Phenol Resin	Trade secret	3.00	
							Vitreous Silica	60676-86-0	85.00	
							Silica	7631-86-9	3.00	
							Carbon Black	1333-86-4	1.00	
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						0.01	(mg) Total	Lead Finish Plating	% of Total Weight	0.05
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							Other	Trade Secret	0.01	
						15.44	Total	100.00		100.00

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