




<div>MICROCHIP</div>											Package Homogeneous Materials				
Semiconductor Device Type:						STX		VQFN 28 4x4x1.0mm Matte Tin							
Basic Substance		CAS Number		"Contained In" Sub-Component		% Total Weight	mg/part	ppm	0.99	(mg) Total	Die	% of Total Weight	2.32		
Silicon		7440-21-3		Die		2.32	0.99	23200		Silicon	7440-21-3	100.00			
Copper		7440-50-8		Leadframe		33.92	14.45	339193		Total 100.00					
Iron		7439-89-6		Leadframe		0.81	0.35	8121	14.82	(mg) Total	Leadframe	% of Total Weight	34.80		
Zinc		7440-66-6		Leadframe		0.04	0.02	418							
Phosphorous		7723-14-0		Leadframe		0.03	0.01	271							
Silver		7440-22-4		Leadframe Silver Plating		2.34	1.00	23398							
Silver		7440-22-4		Die Attach Epoxy		1.31	0.56	13099		Copper	7440-50-8	97.47			
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate		7534-94-3		Die Attach Epoxy		0.09	0.04	900		Iron	7439-89-6	2.33			
Dodecyl Acrylate		2156-97-0		Die Attach Epoxy		0.09	0.04	900		Zinc	7440-66-6	0.12			
1,6-Hexanediol Diacrylate		13048-33-4		Die Attach Epoxy		0.01	0.00	90		Phosphorous	7723-14-0	0.08			
1-Methyl-2-pyrrolidone		872-50-4		Die Attach Epoxy		0.00	0.00	11		Total 100.00					
Epoxy Resin		Trade Secret		Mold Compound		4.55	1.94	45528	1.00	(mg) Total	Leadframe Silver Plating	% of Total Weight	2.34		
Phenol Resin		Trade Secret		Mold Compound		2.85	1.21	28455							
Metal Hydroxide		Trade Secret		Mold Compound		0.85	0.36	8536							
Carbon Black		1333-86-4		Mold Compound		0.28	0.12	2845							
Silica Fused		60676-86-0		Mold Compound		48.37	20.61	483734		Total 100.00					
Gold		7440-57-5		Bond Wire		0.37	0.16	3700	0.64	(mg) Total	Die Attach Epoxy	% of Total Weight	1.50		
Tin		7440-31-5		Lead Finish Plating		1.76	0.75	17600							
						TOTALS:	100.00	42.60						1,000,000	
						42.60 mg Total Mass									
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									42.60					100.00	

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