

Package Homogeneous Materials MICROCHIP Semiconductor Device Type: V3X TQFP 64 14x14x1mm Matte Tin 'Contained In % Total 56.92 % of Total Weight 10.54 (mg) Total Die **CAS Number** Sub-Component Weight **Basic Substance** mg/part ppm Silicon 7440-21-3 Die 10.54 56.92 105400 Silicon 7440-21-3 100.00 7440-50-8 Copper Lead Frame 30.36 163 97 303647 Total 100 00 Silver 7440-22-4 Lead Frame 1.25 6.73 12465 Nickel 7440-02-0 Lead Frame 1.23 6.64 12299 179.50 (mg) Total Lead Frame % of Total Weight 33.24 Silicon 7440-21-3 Lead Frame 0.32 1 73 3199 Copper 7440-50-8 91.35 Magnesium 7739-95-4 Lead Frame 0.08 0.43 789 Silver 7440-22-4 3.75 7440-22-4 Die Attach Epoxy 6.41 11876 Nickel 7440-02-0 3.70 Isobornyl Methacrylate 7534-94-3 Die Attach Epoxy 0.08 0.44 816 Silicon 7440-21-3 0.96 Lauryl Acrylate 2156-97-0 Die Attach Epoxy 0.08 0.44 816 Magnesium 7739-95-4 0.24 1,6-Hexanediol Diacrylate 13048-33-4 Die Attach Epoxy 0.01 0.04 82 N-Methyl-2-Pyrroliodone 872-50-4 Die Attach Epoxy 0.00 (mg) Total 60676-86-0 45.81 247.38 458109 Die Attach Epoxy Silica Mold Compound 7.34 % of Total Weight 1.36 Epoxy Resin Trade Secret Mold Compound 4.29 23.15 42864 7440-22-4 Silver 87.33 Phenol Resin Mold Compound 3.21 17.36 32148 7534-94-3 Trade Secret Isobornyl Methacrylate 6.00 Carbon Black 1333-86-4 Mold Compound 1.45 2679 2156-97-0 0.27 Lauryl Acrylate 6.00 Gold 7440-57-5 0.34 1.84 3400 Bond Wire 7440-31-5 Lead Finish Plating 0.94 5.08 9400 Tin TOTALS: 100 00 1.000.000 540 00

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.

540.00 mg Total Mass

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1,6-Hexanedioi Diacrylate	13048-33-4	0.60	
N-Methyl-2-Pyrroliodone	872-50-4	0.08	
	Total	100.00	
(mg) Total			53.58
Silica	60676-86-0		
Epoxy Resin	Trade Secret	8.00	
Phenol Resin	Trade Secret	6.00	
Carbon Black	1333-86-4	0.50	
	Total	100.00	
(mg) Total	Bond Wire	% of Total Weight	0.34
Gold	7440-57-5	100.00	
	Total	100.00	
(mg) Total	Lead Finish Plating	% of Total Weight	0.94
Tin	7440-31-5	100.00	
	Total	100.00	100.00
	(mg) Total Silica Epoxy Resin Phenol Resin Carbon Black (mg) Total Gold (mg) Total	N-Methyl-2-Pyrroliodone	N-Methyl-2-Pyrroliodone 872-50-4 0.08 Total 100.00

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