

## Package Homogeneous Materials MICROCHIP H5A VDFN 6 3.2x2.5x0.9mm NiPdAu Semiconductor Device Type: % Total 5.21 1.00 (mg) Total Die 1 & 2 % of Total Weight Sub-Component Weight CAS Number **Basic Substance** mg/part ppm 7440-21-3 Die 1 & 2 Silicon 7440-21-3 Silicon 1.00 52092 Copper 7440-50-8 Leadframe 29.04 5.58 290415 Total Ferrous 7439-89-6 Leadframe 0.13 7000 7440-66-6 Leadframe 0.04 0.01 372 5.72 % of Total Weight 29.80 Zinc (mg) Total Leadframe Phosphorus 7723-14-0 Leadframe 0.00 245 Copper 7440-50-8 7440-02-0 Lead Finish Plating 0.39 0.07 3866 7439-89-6 Nickel Ferrous 2.35 Palladium 7440-05-3 Lead Finish Plating 148 7440-66-6 0.01 0.00 0.12 Zinc 7440-57-5 Lead Finish Plating 0.01 0.00 89 Phosphorus 7723-14-0 0.08 Silica 7631-86-9 Die Attach Material 0.11 5730 Total 1719 58152-79-7 Die Attach Material 1 0.17 0.03 Acrylic Copolymer Formaldehyde, Polymer With 2-(Chloromethyl)oxirane and Phenol 9003-36-5 Die Attach Material 1 0.03 1604 0.08 (mg) Total Lead Finish Plating % of Total Weight 0.41 0.16 Bisphenol A-formaldehyde copolymer 25085-75-0 Die Attach Material 1 0.16 0.03 1604 7440-02-0 Nickel 94.22 Die Attach Material 7440-05-3 o-Cresol-epichlorohydrin-formaldehyde copolymer 29690-82-2 0.08 0.02 802 Palladium 3 61 18753 7440-22-4 Die Attach Material 2 1.88 0.36 7440-57-5 2.17 Silver Gold 100.00 Die Attach Material 2 Epoxy Resin Proprietary 0.06 0.01 625 Total Cashew, nutshell lig. Polymer with epichlorohydrin 68413-24-1 Die Attach Material 2 0.06 0.01 625 Die Attach Material 1 % of Total Weight Toluene 108-88-3 Die Attach Material 2 0.06 0.01 625 0.22 (mg) Total 1.15 2-Heptyl-3,4-bis(9-isocyanatononyl)-1-pentylcyclohexane 68239-06-5 Die Attach Material 2 0.01 0.00 104 Silica 7631-86-9 50.00 1,1'-(methylenedi-p-phenylene)bismaleimide 13676-54-5 Die Attach Material 2 0.01 0.00 104 Acrylic Copolymer 58152-79-7 15.00 Formaldehyde Polymer With 2-7440-57-5 0.43 4308 Gold Bond Wire 0.08 9003-36-5 14 00 (Chloromethyl)oxirane and Phenol Epoxy Resin Trade secret Mold Compound 3.03 0.58 30344 25085-75-0 14.00 Bisphenol A-formaldehyde copolymer o-Cresol-epichlorohydrin-formaldehyd Phenol Resin Mold Compound 1.64 0.31 16386 29690-82-2 7.00 copolymer 527981 Vitreous Silica 60676-86-0 Mold Compound 52.80 10.14 Total 100.00 7631-86-9 Mold Compound 3.03 0.58 30344 Silica Die Attach Material 2 % of Total Weight 1821 0.40 (mg) Total 2.08 Carbon Black 1333-86-4 Mold Compound 0.18 0.03 JCR6109 0.23 0.04 2292 Trade Secret Die Coating Silver 7440-22-4 90.00 TOTALS: 100.00 19.20 1.000.000 Epoxy Resin Proprietary 3.00 Cashew, nutshell lig. Polymer with 3.00 19.20 mg Total Mass 68413-24-1 epichlorohydrin Toluene 3.00 108-88-3 2-Heptyl-3,4-bis(9-isocyanatononyl)-1

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	pnenylene jbismaleimide			
		Total	100.00	
0.08	(mg) Total	Bond Wire	% of Total Weight	0.43
	Gold	7440-57-5	100.00	
<u> </u>		Total	100.00	
11.65	(mg) Total	Mold Compound	% of Total Weight	60.69
	Epoxy Resin	Trade secret	5.00	
	Phenol Resin	Trade secret	2.70	
	Vitreous Silica	60676-86-0	87.00	
	Silica	7631-86-9	5.00	
	Carbon Black	1333-86-4	0.30	
		Total	100.00	
0.04	(mg) Total	Die Coating	% of Total Weight	0.23
·	JCR6109	Trade Secret	100.00	
19.20		Total	100.00	100.00

68239-06-5

13676-54-5

0.50

0.50

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pentylcyclohexane 1,1'-(methylenedi-p-