

Package Homogeneous Materials MICROCHIP Semiconductor Device Type: H7X LQFP 100 14x14x1.4mm MatteTin "Contained In' % Total 17 00 (mg) Total Die % of Total Weight 2 49 **Basic Substance** CAS Number Sub-Component Weight mg/part ppm Silicon (Si 7440-21-1 7440-21-3 Die 24916 100.00 Silicon (Si) 2 49 17.00 Copper (Cu) 7440-50-8 Leadframe 22.25 151.81 222494 Total 100.00 Iron (Fe) 7439-89-6 Leadframe 0.54 3.66 5363 Zinc (Zn) 7440-66-6 Leadframe 0.03 0.19 274 Leadframe 6 of Total Weight 23.57 160.80 (mg) Total Metallic Phosphorus (P) 7723-14-0 Leadframe 0.01 0.05 68 C194 ESH 7440-50-8 Copper (Cu) Silver (Ag) 7440-22-4 Leadframe 0.75 5.10 7475 7439-89-6 2.28 Silver (Ag) 7440-22-4 Die Attach 0.12 0.84 1236 Zinc (Zn) 7440-66-6 0.12 2,2'-[Methylenebis(phenyleneoxymethylene)]bisoxirane 30817-00-0 Die Attach 0.01 0.08 121 Metallic Phosphorus (P) 7723-14-0 0.03 Organic anhydride 26544-38-7 Die Attach 0.01 0.08 121 Plating Silver (Ag) 7440-22-4 3.17 1,3-Di-2-propenyl-2- (2-propenyloxy) benzene, epoxidized Trade Secret Die Attach 0.00 0.03 48 Total Epoxide 3234-28-4 Die Attach 0.00 0.03 48 1,4-Bis(2,3-epoxypropoxy)butane 2425-79-8 Die Attach 0.00 0.02 28 (mg) Total Die Attach % of Total Weight 0.16 Copper oxide 1317-38-0 Die Attach 0.00 0.00 3230 7440-22-4 Silver (Ag) Maleic anhydride 108-31-6 Die Attach 0.00 0.01 8 39817-09-9 7.50 Methylenebis(phenyleneoxymethylene bisoxirane Gold (Au) 7440-57-5 Bonding Wire 0.47 3.20 4690 26544-38-7 7.50 Organic anhydride 1,3-Di-2-propenyl-2- (2-propenyloxy) Other Trade Secret Bonding Wire 0.00 0.00 0 Trade Secret 3.00 benzene, epoxidized Epoxy Resin A Trade Secret Mold Compound 0.73 4.95 7261 3234-28-4 3.00 Epoxide 7261 Trade Secret Mold Compound 0.73 4.95 1,4-Bis(2,3-epoxypropoxy)butane 2425-79-8 1.75 Epoxy Resin B Phenol Resin Trade Secret 3.63 24.77 36304 1317-38-0 0.10 Mold Compound Copper oxide Silica(Amorphous) A 60676-86-0 Mold Compound 59.54 406.23 595380 Maleic anhydride 108-31-6 0.50 Silica(Amorphous) B 7631-86-9 Mold Compound 7.26 72607 49.54 1333-86-4 0.73 Carbon Black Mold Compound 4 95 7261 Tin (Sn) 7440-31-5 Lead Finish 0.70 4.80 7035 3.20 (mg) Total **Bonding Wire** % of Total Weight 0.47 TOTALS: 100 00 682 30 1 000 000 Au HP Wire (4N) Gold (Au) 7440-57-5 99 99 682.30 mg Total Mass Trade Secret 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. 495.40 (mg) Total Mold Compound % of Total Weight 72.61 Trade Secre G631H Type Q Microchip Technology Incorporated designs all products to comply with global product material compliance standards, including but not limited to RoHS, REACH, and China RoHS. Additionally, Microchip 1.00 Epoxy Resin E Trade Secret Trade Secret Silica(Amorphous) A 60676-86-0 82.00 Microchip Technology Incorporated believes the information in this MCD is true and correct to the best of its knowledge and belief, as of the date listed in this form. Microchip Technology Incorporated Silica(Amorphous) 7631-86-9 10.00 Total 100 00

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> G631H-TypeQ C194-ESH 3230 3:11 PM: 1/11/2024

(mg) Total

Lead Finish

% of Total Weight

100.00

0.70

4.80

Matte Sn