

Package Homogeneous Materials MICROCHIP Semiconductor Device Type: QWC PBGA 484 23x23x2.44mm SnPb "Contained In' % Tota 1087.48 (mg) Total Mold Compound % of Total Weigh 45.34 CAS Number Sub-Component Weight Basic Substance mg/part ppm Epoxy Resin A Trade Secret Mold Compound 1.36 32.62 13601 G770SFE Epoxy Resin A Trade Secret Epoxy Resin B Trade Secret Mold Compound 1.36 32.62 13601 Epoxy Resin B Trade Secret 3.00 Phenol Resin Trade Secret Mold Compound 1.36 32.62 13601 Phenol Resin Trade Secret 3.00 Silica, vitreous 60676-86-0 Mold Compound 32.87 788.42 328680 Silica, vitreous 60676-86-0 72.50 Silicon dioxide 7631-86-9 Mold Compound 6.80 163.12 68003 Silicon dioxide 7631-86-9 15.00 Aluminium and its compounds Trade Secret Mold Compound 1.36 32.62 13601 Aluminium and its compounds Trade Secret 3.00 Carbon Black 1333-86-4 Mold Compound 0.23 5.44 2267 Carbon Black 1333-86-4 0.50 Glass, oxide 65997-17-3 5.94 142.53 59419 Laminate Aluminium hydroxide oxide 24623-77-6 Laminate 2.87 68.88 28717 Bismaleimide-Triazine resin Trade Secret Laminate 2.01 20115 783 80 % of Total Weight 32.68 (mg) Total Laminate Epoxy resin Trade Secret Laminate 1.35 32.38 13498 65997-17-3 Core (HL832NXA 18.18 Glass, oxide Other substances Trade Secret Laminate 1.03 24.76 10322 Aluminium hydroxide oxide 24623-77-6 8.79 0.03 Bisphenol A Laminate Trade Secret Bismaleimide-Triazine resin 6.16 65997-17-3 2.38 57.01 23767 Glass, oxide Laminate Trade Secret 4.13 Epoxy resin Aluminium hydroxide oxide 24623-77-6 Laminate 1.15 27.55 11487 Other substances Trade Secret 3.16 Bismaleimide-Triazine resin Trade Secret Laminate 0.80 8046 Bisphenol A 80-05-7 0.08 Trade Secret 0.54 12.95 5399 Prepreg (HL832NXA) 65997-17-3 Laminate 7.27 Epoxy resin Glass, oxide Other substances Trade Secret Laminate 0.41 9.90 4129 Aluminium hydroxide oxide 24623-77-6 3.52 Bisphenol A Laminate 0.01 0.25 Trade Secret Bismaleimide-Triazine resin 2.46 Cured Resin Trade Secret Laminate 0.92 21.95 9153 Trade Secret Epoxy resin 1.65 147-14-8 0.00 Phthalocyanine blue Laminate 0.06 24 Other substances Trade Secret 1.26 Trade Secret 0.00 24 Laminate Bisphenol A 80-05-7 Organic pigment Trade Secret Laminate 0.01 61 Solder Mask (AUS320) Trade Secret Silica Cured Resin 2.80 Barium sulfate 7727-43-7 Laminate 0.25 6.05 2521 Phthalocyanine blue 147-14-8 0.01 14807-96-6 Laminate 0.03 0.61 Organic pigment Trade Secret 0.01 Antifoamer and Leveling agent 0.01 85 Trade Secret Laminate Trade Secret 0.02 Silica Nickel 7440-02-0 0.41 9.79 4082 Laminate 7727-43-7 0.77 Barium sulfate Gold 7440-57-5 Laminate 0.09 885 14807-96-6 0.08 7440-50-8 Laminate 12.44 124395 Antifoamer and Leveling agent Copper Tin 7440-31-5 Solder Ball 13.22 132231 Lead 7439-92-1 Solder Ball 7.77 186.29 77660 Silver 7440-22-4 0.04 0.84 Die Attach 351 Die Attach 0.00 Tetramethylene dimethacrylate 2082-81-7 0.06 25 Trade Secret Die Attach 0.00 0.00 Acrylic Esters 2 7440-21-3 0.84 8379 Silicon 20.10 7440-50-8 Wire Bonding 0.12 1220 Copper 2.93 Palladium 7440-05-3 Wire Bonding 0.00 0.06 26 Silver 7440-22-4 0.00 Wire Bonding 0.00 0 Trade Secret Others Wire Bonding 0.00 0.00 0 TOTAL S: 100.00 2398 74 1.000.000 2398.74 mg Total Mass 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.

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| Γ | Top Plating | Nickel | 7440-02-0 | 1.25 | |
|----|-------------|-------------------------------|--------------|-------------------|-------|
| Г | | Gold | 7440-57-5 | 0.27 | - |
| L | Copper Foil | Copper | 7440-50-8 | 38.07 | |
| T | | | Total | 100.00 | |
| 1 | | | | | |
| | 503.48 | (mg) Total | Solder Ball | % of Total Weight | 20.99 |
| I | | Tin | 7440-31-5 | 63.00 | |
| Γ | | Lead | 7439-92-1 | 37.00 | |
| Г | | | Total | 100.00 | |
| L | | | | | |
| F | 0.90 | (mg) Total | Die Attach | % of Total Weight | 0.04 |
| | | Silver | 7440-22-4 | 93.00 | |
| Т | | Tetramethylene dimethacrylate | 2082-81-7 | 6.50 | |
| of | | Acrylic Esters | Trade Secret | 0.50 | |
| | | | Total | 100.00 | |
| H | 20.10 | (mg) Total | Die | % of Total Weight | 0.84 |
| | | Silicon | 7440-21-3 | 100.00 | |
| | | | Total | 100.00 | |
| | 2.99 | (mg) Total | Wire Bonding | % of Total Weight | 0.12 |
| | | Copper | 7440-50-8 | 97.87 | |
| L | | Palladium | 7440-05-3 | 2.10 | |
| L | | Silver | 7440-22-4 | 0.01 | |
| L | | Others | Trade Secret | 0.02 | |
| | | | Total | 100.00 | |

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