

Device Material Content

5555 NE Moore Ct. Assembly: ASEK Hillsboro OR 97124 Package Code: Size (mm): 12 x 12 x 1.7 custreg@latticesemi.com Package: 196 caBGA BG196 Lead pitch (mm): 0.8 **Total Device Weight** 0.366 Grams **Products:** MSL: 3 LFD2-NX Reflow max (°C): 260 September, 2021 % of Total % of Total Weight (g) Weight (g) Substance CAS# % of Subst. Notes / Assumptions: Pkg. Wt. Pkg. Wt. Die 3.07% 0.0113 Die size: 4.69 x 5.07mm 3.07% 0.0113 Silicon chip 7440-21-3 100.00% 51.44% Mold Compound 0.1884 Mold Compound: KE-G1250AAS 0.1648 60676-86-0 45.01% Silica 87.50% 3.34% 0.0122 6.50% Epoxy resin 2.83% 0.0104 Phenol Resin 5.50% 0.26% 0.0009 Carbon Black 1333-86-4 0.50% D/A Epoxy 1.11% 0.0041 Die attach epoxy: Henkel (Ablebond) 2100A 0.89% 0.00324 Silver 7440-22-4 80.00% 0.22% 0.00081 Esters & resins 20.00% 0.56% 0.0020 0.8 mil diameter; 1 wire per solder ball Wire 0.54% 0.00198 7440-50-8 96.55% Copper 0.02% 0.00006 Palladium 7440-05-3 3.10% 0.00% 0.00001 Gold 7440-57-5 0.34% Solder Balls 20.53% 0.0752 SAC305 19.81% 0.0725 Tin (Sn) 7440-31-5 96.50% 0.62% 0.0023 Silver (Ag) 7440-22-4 3.00% 0.10% 0.0004 Copper (Cu) 7440-50-8 0.50% Substrate 6.52% 0.0239 BT Resin CCL-HL832NX-A 2.09% 0.0076 BT Resins 32.00% 4.43% 0.0162 Glass fiber 65997-17-3 68.00% Foil 11.65% 0.0426 11.65% 0.0426 7440-50-8 100.00% Copper Solder Mask 5.12% 0.0187 Solder mask PSR4000 AUS 308 2.88% 0.0105 14808-60-7 56.20% Quartz 0.82% 0.0030 3-methoxy-3-methylbutylacetate 103429-90-9 16.00% 1.13% 0.0041 Barium Sulfate 7727-43-7 22.00% 0.15% 0.0006 Talc (containing no asbestiform fibers) 14807-96-6 3.00% 0.03% 0.0001Naphthalene 91-20-3 0.50% 0.12% 0.0004 Trade secret ingredients 2.30%

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