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Device Material Content

5555 NE Moore Ct. Assembly: ASEK Hillsboro OR 97124 Size (mm): 19 x 19 Package Code: custreg@latticesemi.com 484 caBGA **BBG484** Lead pitch (mm): 0.8 Package: Total Device Weight 1612.5 Milligrams **Products:** MSL: 3 LFCPNX-100 Reflow max (°C): 260 November, 2021 % of Total % of Total Weight (mg) Weight (mg) Substance CAS# % of Subst. Notes / Assumptions: Pkg. Wt. Pkg. Wt. Die 1.70% 27.41 Die size: 8.22 x 7.19mm 7440-21-3 100.00% 1.70% 27.41 Silicon chip Mold Compound 1062.30 65.88% Mold Compound: KE-G1250AAS 57.65% 929.51 Silica 60676-86-0 87.50% 6.50% 4.28% 69.05 Epoxy resin 3.62% 58.43 Phenol Resin 5.50% 0.33% 5.31 Carbon Black 1333-86-4 0.50% 10.00 Die attach epoxy: Henkel (Ablebond) 2100A D/A Epoxy 0.62% 0.50% 8.00 Silver 7440-22-4 80.00% 0.12% 2.00 Esters & resins 20.00% Wire 0.29% 4.68 CuPdAu+ 0.28% 4.51 Copper 7440-50-8 96.55% 0.01% 0.14 Palladium 7440-05-3 3.10% 0.04% 0.64 Gold 7440-57-5 0.35% 11.51% 185.59 Solder Balls SAC305 179.09 7440-31-5 96.50% 11.11% Tin (Sn) 0.35% 5.57 Silver (Ag) 7440-22-4 3.00% 0.06% 0.93 Copper (Cu) 7440-50-8 0.50% 97.55 Substrate BT Resin CCL-HL832NX-A 6.05% 1.94% 31.22 BT Resins 32.00% 4.11% 66.34 Glass fiber 65997-17-3 68.00% Foil 11.30% 182.21 11.30% 182.21 Copper 7440-50-8 100.00% Solder Mask 2.65% 42.68 Solder mask PSR4000 AUS 308 23.99 14808-60-7 56.20% 1.49% Quartz 0.42% 3-methoxy-3-methylbutylacetate 103429-90-9 16.00% 6.83 22.00% 0.58% 9.39 Barium Sulfate 7727-43-7 0.08% 1.28 Talc (containing no asbestiform fibers) 14807-96-6 3.00% 0.07% 1.20 Trade secret ingredients 2.80%

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Rev. A