


Date: 4/25/2021

Material Number: EFR32BG1P232F256GM32-C0R

Pkg Config.: PK1271

| Detailed Device Composition  | | | | | | | | | |
|---|----------------------|----------------------|----------------------------|---------------|---------------------|----------------------|-----------------|--------------------|-------------------|
| No. | Homogeneous Material | Material Weight (mg) | Material Content | CAS Number | Material Weight (%) | Material Weight (mg) | ppm of Material | Wt % of Total Unit | ppm of Total Unit |
| 1 | Mold Compound | 32.50 | Carbon Black | 1333-86-4 | 0.400 | 0.130 | 4000 | 0.1959 | 1959 |
| | | | Epoxy Resin (Proprietary) | Proprietary | 7.000 | 2.275 | 70000 | 3.4277 | 34277 |
| | | | Metal Hydroxide | Proprietary | 2.000 | 0.650 | 20000 | 0.9793 | 9793 |
| | | | Phenol Resin (Proprietary) | Proprietary | 5.000 | 1.625 | 50000 | 2.4484 | 24484 |
| | | | Silica (Amorphous) B | 60676-86-0 | 85.600 | 27.820 | 856000 | 41.9159 | 419159 |
| 2 | Plating - External | 2.20 | Tin | 7440-31-5 | 100.000 | 2.200 | 1000000 | 3.3147 | 33147 |
| 3 | Bond Wire | 0.48 | Copper | 7440-50-8 | 96.550 | 0.463 | 965500 | 0.6983 | 6983 |
| | | | Gold | 7440-57-5 | 0.350 | 0.002 | 3500 | 0.0025 | 25 |
| | | | Palladium | 7440-05-3 | 3.100 | 0.015 | 31000 | 0.0224 | 224 |
| 4 | Die Attach Epoxy | 8.60 | Acrylate monomer 10089 | TS ref# 10089 | 5.000 | 0.430 | 50000 | 0.6479 | 6479 |
| | | | Acrylate monomer 10123 | TS ref# 10123 | 5.000 | 0.430 | 50000 | 0.6479 | 6479 |
| | | | Acrylate monomer 10283 | TS ref# 10283 | 5.000 | 0.430 | 50000 | 0.6479 | 6479 |
| | | | Bismaleimide monomer | TS ref# 10049 | 5.000 | 0.430 | 50000 | 0.6479 | 6479 |
| | | | Silver | 7440-22-4 | 80.000 | 6.880 | 800000 | 10.3660 | 103660 |
| 5 | Leadframe | 19.90 | Chromium | 7440-47-3 | 0.270 | 0.054 | 2700 | 0.0810 | 810 |
| | | | Copper | 7440-50-8 | 98.850 | 19.671 | 988500 | 29.6382 | 296382 |
| | | | Silver | 7440-22-4 | 0.430 | 0.086 | 4300 | 0.1289 | 1289 |
| | | | Tin | 7440-31-5 | 0.250 | 0.050 | 2500 | 0.0750 | 750 |
| | | | Zinc | 7440-66-6 | 0.200 | 0.040 | 2000 | 0.0600 | 600 |
| 6 | Die | 2.69 | Silicon | 7440-21-3 | 99.800 | 2.686 | 998000 | 4.0464 | 40464 |
| | | | Silicon Dioxide | 60676-86-0 | 0.200 | 0.005 | 2000 | 0.0081 | 81 |
| | Total Unit Weight = | 66.37 | | | | 66.37 | | 100.0000 | 1000000 |