

Date: 4/25/2021

Material Number: EFR32BG12P232F1024GM48-CR

Pkg Config.: PK1572

| 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        | 58.80                | Carbon Black               | 1333-86-4   | 0.400               | 0.235                | 4000            | 0.1711             | 1711              |
|                                                                                                               |                      |                      | Epoxy Resin (Proprietary)  | Proprietary | 7.000               | 4.116                | 70000           | 2.9938             | 29938             |
|                                                                                                               |                      |                      | Metal Hydroxide            | Proprietary | 2.000               | 1.176                | 20000           | 0.8554             | 8554              |
|                                                                                                               |                      |                      | Phenol Resin (Proprietary) | Proprietary | 5.000               | 2.940                | 50000           | 2.1384             | 21384             |
|                                                                                                               |                      |                      | Silica (Amorphous) B       | 60676-86-0  | 85.600              | 50.333               | 856000          | 36.6097            | 366097            |
| 2                                                                                                             | Plating - External   | 4.20                 | Tin                        | 7440-31-5   | 100.000             | 4.200                | 1000000         | 3.0549             | 30549             |
| 3                                                                                                             | Bond Wire            | 0.35                 | Copper                     | 7440-50-8   | 96.550              | 0.334                | 965500          | 0.2430             | 2430              |
|                                                                                                               |                      |                      | Gold                       | 7440-57-5   | 0.350               | 0.001                | 3500            | 0.0009             | 9                 |
|                                                                                                               |                      |                      | Palladium                  | 7440-05-3   | 3.100               | 0.011                | 31000           | 0.0078             | 78                |
| 4                                                                                                             | Die Attach Epoxy     | 1.90                 | Copper                     | 7440-50-8   | 10.000              | 0.190                | 100000          | 0.1382             | 1382              |
|                                                                                                               |                      |                      | Hardener (Proprietary)     | Proprietary | 2.000               | 0.038                | 20000           | 0.0276             | 276               |
|                                                                                                               |                      |                      | Liquid Rubber              | Proprietary | 12.500              | 0.238                | 125000          | 0.1727             | 1727              |
|                                                                                                               |                      |                      | Mixed Diluents             | Proprietary | 6.500               | 0.124                | 65000           | 0.0898             | 898               |
|                                                                                                               |                      |                      | Modified Epoxy Resins      | Proprietary | 1.500               | 0.028                | 15000           | 0.0207             | 207               |
|                                                                                                               |                      |                      | Silver                     | 7440-22-4   | 67.500              | 1.282                | 675000          | 0.9328             | 9328              |
| 5                                                                                                             | Leadframe            | 65.30                | Chromium                   | 7440-47-3   | 0.250               | 0.163                | 2500            | 0.1187             | 1187              |
|                                                                                                               |                      |                      | Copper                     | 7440-50-8   | 99.280              | 64.830               | 992800          | 47.1541            | 471541            |
|                                                                                                               |                      |                      | Tin                        | 7440-31-5   | 0.250               | 0.163                | 2500            | 0.1187             | 1187              |
|                                                                                                               |                      |                      | Zinc                       | 7440-66-6   | 0.220               | 0.144                | 2200            | 0.1045             | 1045              |
| 6                                                                                                             | Plating - Internal   | 1.30                 | Silver                     | 7440-22-4   | 100.000             | 1.300                | 1000000         | 0.9456             | 9456              |
| 7                                                                                                             | Die                  | 5.64                 | Silicon                    | 7440-21-3   | 99.800              | 5.628                | 998000          | 4.0933             | 40933             |
|                                                                                                               |                      |                      | Silicon Dioxide            | 60676-86-0  | 0.200               | 0.011                | 2000            | 0.0082             | 82                |
|                                                                                                               | Total Unit Weight =  | 137.49               |                            |             |                     | 137.49               |                 | 100.0000           | 1000000           |