


Date: 4/16/2021

Material Number: SI82398AD-IS3R

Pkg Config.: PK1476

| 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   | Die Attach Epoxy     | 0.26                 | 2-Ethylhexyl Glycidyl Ether | 2461-15-6   | 7.000               | 0.018                | 70000           | 0.0035             | 35                |
|   |                      |                      | Bisphenol F                 | 620-92-8    | 12.000              | 0.031                | 120000          | 0.0061             | 61                |
|   |                      |                      | Epoxy Acrylate              | 15625-89-5  | 15.000              | 0.039                | 150000          | 0.0076             | 76                |
|   |                      |                      | Silver                      | 7440-22-4   | 65.000              | 0.169                | 650000          | 0.0330             | 330               |
|   |                      |                      | Substituted Polyamine       | 68490-66-4  | 1.000               | 0.003                | 10000           | 0.0005             | 5                 |
| 2   | Bond Wire            | 0.35                 | Gold                        | 7440-57-5   | 99.000              | 0.346                | 990000          | 0.0676             | 676               |
|   |                      |                      | Palladium                   | 7440-05-3   | 1.000               | 0.004                | 10000           | 0.0007             | 7                 |
| 3   | Mold Compound        | 361.11               | Carbon Black                | 1333-86-4   | 0.300               | 1.083                | 3000            | 0.2113             | 2113              |
|   |                      |                      | Epoxy Resin (Proprietary)   | Proprietary | 8.000               | 28.889               | 80000           | 5.6348             | 56348             |
|   |                      |                      | Phenol Resin (Proprietary)  | Proprietary | 5.700               | 20.583               | 57000           | 4.0148             | 40148             |
|   |                      |                      | Silicon Dioxide             | 60676-86-0  | 86.000              | 310.555              | 860000          | 60.5736            | 605736            |
| 4   | Leadframe            | 148.78               | Copper                      | 7440-50-8   | 96.190              | 143.111              | 961900          | 27.9138            | 279138            |
|   |                      |                      | Gold                        | 7440-57-5   | 0.020               | 0.030                | 200             | 0.0058             | 58                |
|   |                      |                      | Iron                        | 7439-89-6   | 2.250               | 3.348                | 22500           | 0.6529             | 6529              |
|   |                      |                      | Nickel                      | 7440-02-0   | 1.250               | 1.860                | 12500           | 0.3627             | 3627              |
|   |                      |                      | Palladium                   | 7440-05-3   | 0.050               | 0.074                | 500             | 0.0145             | 145               |
|   |                      |                      | Phosphorous                 | 7723-14-0   | 0.100               | 0.149                | 1000            | 0.0290             | 290               |
|   |                      |                      | Silver                      | 7440-22-4   | 0.020               | 0.030                | 200             | 0.0058             | 58                |
|   |                      |                      | Zinc                        | 7440-66-6   | 0.120               | 0.179                | 1200            | 0.0348             | 348               |
| 5   | Die                  | 0.73                 | Aluminum                    | 7429-90-5   | 0.163               | 0.001                | 1630            | 0.0002             | 2                 |
|   |                      |                      | Copper                      | 7440-50-8   | 0.001               | 0.000                | 10              | 0.0000             | 0                 |
|   |                      |                      | Silicon                     | 7440-21-3   | 99.726              | 0.728                | 997260          | 0.1420             | 1420              |
|   |                      |                      | Tungsten                    | 7440-33-7   | 0.110               | 0.001                | 1100            | 0.0002             | 2                 |
| 6   | Die                  | 1.46                 | Aluminum                    | 7429-90-5   | 0.163               | 0.002                | 1630            | 0.0005             | 5                 |
|   |                      |                      | Copper                      | 7440-50-8   | 0.001               | 0.000                | 10              | 0.0000             | 0                 |
|   |                      |                      | Silicon                     | 7440-21-3   | 99.726              | 1.456                | 997260          | 0.2840             | 2840              |
|   |                      |                      | Tungsten                    | 7440-33-7   | 0.110               | 0.002                | 1100            | 0.0003             | 3                 |
|   | Total Unit Weight =  | 512.69               |                             |             |                     | 512.69               |                 | 100.0000           | 1000000           |