

Material Declaration Form

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| Ordering Code | Package Family | Assembly Material Number | Lead Count | Weight (mg) | Manufacturing Country | Halogen Free | EU RoHS | China RoHS | Release Status | Version |
|---------------|----------------|--------------------------|------------|-------------|-----------------------|--------------|---------|------------|----------------|---------|
| AS1110-BSSU | QSOP 150 MIL | 176170030 | 24 | 166.82 | Malaysia | YES | YES | YES | FULL | 1 |

| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|---------------|--------|-----------------------|-----------------|------------|------------------|------------------|----------------|
| Adhesive | 0.42 | Ag | Silver | 80.00 | 7440-22-4 | 0.33600 | 0.20141 | 2014 |
| | | | Carbocyclic Acrylates | 15.00 | 3066-71-5 | 0.06300 | 0.03777 | 378 |
| | | | Epoxy Resin | 5.00 | 25928-94-3 | 0.02100 | 0.01259 | 126 |
| | | | Subtotal: | 100.00 | | 0.42000 | 0.25177 | 2518 |
| Wire | 0.37 | Au | Gold | 100.00 | 7440-57-5 | 0.37000 | 0.22180 | 2218 |
| | | | Subtotal: | 100.00 | | 0.37000 | 0.22180 | 2218 |
| Leadframe | 64.52 | Cu | Copper | 97.50 | 7440-50-8 | 62.90700 | 37.70951 | 377095 |
| | | | Fe | 2.40 | 7439-89-6 | 1.54848 | 0.92823 | 9282 |
| | | | Zn | 0.10 | 7440-66-6 | 0.06452 | 0.03868 | 387 |
| | | | Subtotal: | 100.00 | | 64.52000 | 38.67642 | 386764 |
| Plating | 3.56 | Sn | Tin | 100.00 | 7440-31-5 | 3.56000 | 2.13404 | 21340 |
| | | | Subtotal: | 100.00 | | 3.56000 | 2.13404 | 21340 |
| IC | 2.34 | Si | Silicon | 95.00 | 7440-21-3 | 2.22300 | 1.33257 | 13326 |
| | | | Polyimide | 5.00 | 58698-66-1 | 0.11700 | 0.07014 | 701 |
| | | | Subtotal: | 100.00 | | 2.34000 | 1.40271 | 14027 |
| Moldcompound | 95.61 | SiO2 | Silica | 87.00 | 60676-86-0 | 83.18070 | 49.86255 | 498625 |
| | | | Carbon Black | 0.20 | 1333-86-4 | 0.19122 | 0.11463 | 1146 |
| | | | Epoxy Resin | 8.00 | 25928-94-3 | 7.64880 | 4.58506 | 45851 |
| | | | Phenol Resin | 4.80 | 28064-14-4 | 4.58928 | 2.75104 | 27510 |
| | | | Subtotal: | 100.00 | | 95.61000 | 57.31327 | 573133 |
| Total: | 166.82 | | | | | 166.82 | 100.00000 | 1000000 |

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