

Material Declaration Form

Page 1

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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 |
|---------------|------------------|--------------------------|------------|-------------|-----------------------|--------------|---------|------------|----------------|---------|
| AS1113-BQFR | MLPQ 5X5X0.75 MM | 176170069 | 28 | 60.05 | Malaysia | YES | YES | YES | FULL | 1 |

| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|-------------|------------------|-----------------------|-----------------|----------------|------------------|-----------------|-----------------|
| Leadframe | 32.4 | Cu | Copper | 97.50 | 7440-50-8 | 31.59000 | 52.60616 | 526062 |
| | | Fe | Iron | 2.40 | 7439-89-6 | 0.77760 | 1.29492 | 12949 |
| | | Zn | Zinc | 0.10 | 7440-66-6 | 0.03240 | 0.05396 | 540 |
| | | Subtotal: | | | 100.00 | | 32.40000 | 53.95504 |
| Adhesive | 0.94 | Ag | Silver | 80.00 | 7440-22-4 | 0.75200 | 1.25229 | 12523 |
| | | | Carbocyclic Acrylates | 15.00 | 3066-71-5 | 0.14100 | 0.23480 | 2348 |
| | | | Epoxy Resin | 5.00 | 25928-94-3 | 0.04700 | 0.07827 | 783 |
| | | Subtotal: | | | 100.00 | | 0.94000 | 1.56536 |
| IC | 1.9 | Si | Silicon | 95.00 | 7440-21-3 | 1.80500 | 3.00583 | 30058 |
| | | | Polyimide | 5.00 | 58698-66-1 | 0.09500 | 0.15820 | 1582 |
| | | Subtotal: | | | 100.00 | | 1.90000 | 3.16403 |
| Wire | 0.63 | Au | Gold | 100.00 | 7440-57-5 | 0.63000 | 1.04913 | 10491 |
| Subtotal: | | | 100.00 | | 0.63000 | 1.04913 | 10491 | |
| Moldcompound | 23.84 | SiO2 | Silica Fused | 88.00 | 60676-86-0 | 20.97920 | 34.93622 | 349362 |
| | | | Carbon Black | 0.30 | 1333-86-4 | 0.07152 | 0.11910 | 1191 |
| | | | Epoxy Resin | 8.00 | 25928-94-3 | 1.90720 | 3.17602 | 31760 |
| | | | Phenol Resin | 3.70 | 28064-14-4 | 0.88208 | 1.46891 | 14689 |
| | | Subtotal: | | | 100.00 | | 23.84000 | 39.70025 |
| Plating | 0.34 | Sn | Tin | 100.00 | 7440-31-5 | 0.34000 | 0.56619 | 5662 |
| Subtotal: | | | 100.00 | | 0.34000 | 0.56619 | 5662 | |

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Page 2

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| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|--------------|--------|--------------------|-----------------|------------|------------------|------------------|----------------|
| Total: | 60.05 | | | | | 60.05 | 100.00000 | 1000000 |

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