

Material Declaration Form

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ams AG
Tobelbader Strasse 30
A-8141 Premstaetten, Austria
Tel +43 (0) 3136 500-0



| Ordering Code | Package Family | Assembly Material Number | Lead Count | Weight (mg) | Manufacturing Country | Halogen Free | EU RoHS | China RoHS | Release Status | Version |
|----------------|----------------------|--------------------------|------------|-------------|-----------------------|--------------|---------|------------|----------------|---------|
| AS3722-BCTT-00 | FBGA 124ld; 8x8mm | 193600009 | 124 | 126.87 | Korea | YES | YES | YES | FULL | 1 |

| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|-------------|------------------|-----------------------|-----------------|-----------------|------------------|-----------------|-----------------|
| Solder Balls | 12.84 | Ag | Silver | 1.00 | 7440-22-4 | 0.12841 | 0.10122 | 1012 |
| | | Cu | Copper | 0.50 | 7440-50-8 | 0.06421 | 0.05061 | 506 |
| | | Sn | Tin | 98.50 | 7440-31-5 | 12.64839 | 9.96988 | 99699 |
| | | Subtotal: | | | 100.00 | | 12.84100 | 10.12170 |
| Substrate | 29.57 | Au | Gold | 0.50 | 7440-57-5 | 0.14784 | 0.11653 | 1165 |
| | | Cu | Copper | 57.00 | 7440-50-8 | 16.85376 | 13.28469 | 132847 |
| | | Ni | Nickel | 2.00 | 7440-02-0 | 0.59136 | 0.46613 | 4661 |
| | | SiO2 | Silicon Dioxide | 23.00 | 7631-86-9 | 6.80064 | 5.36049 | 53605 |
| | | | Bismaleimide Triazine | 3.50 | 35325-39-4 | 1.03488 | 0.81573 | 8157 |
| | | | Epoxy Resin | 14.00 | 25928-94-3 | 4.13952 | 3.26291 | 32629 |
| Subtotal: | | | 100.00 | | 29.56800 | 23.30648 | 233065 | |
| Adhesive | 0.57 | SiO2 | Silica Fused | 50.00 | 60676-86-0 | 0.28700 | 0.22622 | 2262 |
| | | | Acrylic polymer | 5.00 | 37325-11-4 | 0.02870 | 0.02262 | 226 |
| | | | Bismaleimide | 35.00 | 13676-54-5 | 0.20090 | 0.15836 | 1584 |
| | | | Epoxy Resin | 10.00 | 25928-94-3 | 0.05740 | 0.04524 | 452 |
| Subtotal: | | | 100.00 | | 0.57400 | 0.45245 | 4524 | |
| IC | 5.77 | Si | Silicon | 100.00 | 7440-21-3 | 5.76800 | 4.54653 | 45465 |
| | | | Subtotal: | | | 100.00 | | 5.76800 |

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|---------------------|---------------|------------------|--------------------|-----------------|-----------------|------------------|------------------|----------------|
| Wire | 0.89 | Cu | Copper | 97.30 | 7440-50-8 | 0.86500 | 0.68182 | 6818 |
| | | Pd | Palladium | 2.70 | 7440-05-3 | 0.02400 | 0.01892 | 189 |
| | | Subtotal: | | 100.00 | | 0.88900 | 0.70074 | 7007 |
| Moldcompound | 77.23 | SiO2 | Silica Fused | 85.70 | 60676-86-0 | 66.18268 | 52.16739 | 521674 |
| | | | Carbon Black | 0.30 | 1333-86-4 | 0.23168 | 0.18262 | 1826 |
| | | | Epoxy Resin | 6.00 | 25928-94-3 | 4.63356 | 3.65233 | 36523 |
| | | | Phenol Novolac | 4.00 | 9003-35-4 | 3.08904 | 2.43488 | 24349 |
| | | | Phenol Resin | 4.00 | 28064-14-4 | 3.08904 | 2.43488 | 24349 |
| Subtotal: | | 100.00 | | 77.22600 | 60.87210 | 608721 | | |
| Total: | 126.87 | | | | | 126.87 | 100.00000 | 1000000 |

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