

Product Document

Material Declaration Form

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ams AG
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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 |
|---------------|----------------|--------------------------|------------|-------------|-----------------------|--------------|---------|------------|----------------|---------|
| AS5132-HSST | SSOP | 187760007 | 20 | 166.7 | Philippines | YES | YES | YES | FULL | 1 |

| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|-------------|------------------|---------------------|-----------------|---------------|------------------|-----------------|-----------------|
| Leadframe | 50.3 | Ag | Silver | 0.30 | 7440-22-4 | 0.15090 | 0.09052 | 905 |
| | | Cu | Copper | 97.25 | 7440-50-8 | 48.91675 | 29.34418 | 293442 |
| | | Fe | Iron | 2.30 | 7439-89-6 | 1.15690 | 0.69400 | 6940 |
| | | Zn | Zinc | 0.15 | 7440-66-6 | 0.07545 | 0.04526 | 453 |
| | | Subtotal: | | | 100.00 | | 50.30000 | 30.17397 |
| Adhesive | 2.91 | Ag | Silver | 73.00 | 7440-22-4 | 2.12430 | 1.27433 | 12743 |
| | | BLO (1-10) | Gamma Butyrolactone | 3.00 | 96-48-0 | 0.08730 | 0.05237 | 524 |
| | | | Epoxy Resin | 21.00 | 25928-94-3 | 0.61110 | 0.36659 | 3666 |
| | | | Silver Oxide | 3.00 | 1301-96-8 | 0.08730 | 0.05237 | 524 |
| | | Subtotal: | | | 100.00 | | 2.91000 | 1.74565 |
| IC | 12.54 | Si | Silicon | 100.00 | 7440-21-3 | 12.54000 | 7.52250 | 75225 |
| | | Subtotal: | | | 100.00 | | 12.54000 | 7.52250 |
| Wire | 0.25 | Au | Gold | 99.00 | 7440-57-5 | 0.24750 | 0.14847 | 1485 |
| | | Pd | Palladium | 1.00 | 7440-05-3 | 0.00250 | 0.00150 | 15 |
| | | Subtotal: | | | 100.00 | | 0.25000 | 0.14997 |
| Moldcompound | 98.04 | SiO2 | Silica Fused | 86.00 | 60676-86-0 | 84.31440 | 50.57852 | 505785 |
| | | | Carbon Black | 0.50 | 1333-86-4 | 0.49020 | 0.29406 | 2941 |
| | | | Epoxy Resin | 7.50 | 25928-94-3 | 7.35300 | 4.41092 | 44109 |
| | | | Phenol Resin | 6.00 | 28064-14-4 | 5.88240 | 3.52873 | 35287 |
| | | Subtotal: | | | 100.00 | | 98.04000 | 58.81224 |

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| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|--------------|--------|--------------------|-----------------|------------|------------------|------------------|----------------|
| Plating | 2.66 | Sn | Tin | 100.00 | 7440-31-5 | 2.66000 | 1.59568 | 15957 |
| Subtotal: | | | | 100.00 | | 2.66000 | 1.59568 | 15957 |
| Total: | 166.7 | | | | | 166.70 | 100.00000 | 1000000 |

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