

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 |
|---------------|----------------|--------------------------|------------|-------------|-----------------------|--------------|---------|------------|----------------|---------|
| AS5140H-ASST | SSOP 5.3 MM | 175940038 | 16 | 140.73 | 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 | 42.02 | Ag | Silver | 0.30 | 7440-22-4 | 0.12606 | 0.08958 | 896 | |
| | | Cu | Copper | 97.25 | 7440-50-8 | 40.86445 | 29.03748 | 290375 | |
| | | Fe | Iron | 2.30 | 7439-89-6 | 0.96646 | 0.68675 | 6867 | |
| | | Zn | Zinc | 0.15 | 7440-66-6 | 0.06303 | 0.04479 | 448 | |
| | | Subtotal: | 100.00 | | | 42.02000 | 29.85859 | 298586 | |
| Adhesive | 2.12 | Ag | Silver | 73.00 | 7440-22-4 | 1.54760 | 1.09969 | 10997 | |
| | | BLO (1-10) | Gamma Butyrolactone | 3.00 | 96-48-0 | 0.06360 | 0.04519 | 452 | |
| | | | Epoxy Resin | 21.00 | 25928-94-3 | 0.44520 | 0.31635 | 3164 | |
| | | | Silver Oxide | 3.00 | 1301-96-8 | 0.06360 | 0.04519 | 452 | |
| | | Subtotal: | 100.00 | | | 2.12000 | 1.50643 | 15064 | |
| IC | 9.3 | Si | Silicon | 95.00 | 7440-21-3 | 8.83500 | 6.27798 | 62780 | |
| | | | Polyimide | 5.00 | 58698-66-1 | 0.46500 | 0.33042 | 3304 | |
| | | Subtotal: | 100.00 | | | 9.30000 | 6.60840 | 66084 | |
| Wire | 0.33 | Au | Gold | 99.00 | 7440-57-5 | 0.32670 | 0.23215 | 2321 | |
| | | | Pd | Palladium | 1.00 | 7440-05-3 | 0.00330 | 0.00234 | 23 |
| | | Subtotal: | 100.00 | | | 0.33000 | 0.23449 | 2345 | |
| Moldcompound | 84.84 | SiO2 | Silica Fused | 86.00 | 60676-86-0 | 72.96240 | 51.84566 | 518457 | |
| | | | Carbon Black | 0.50 | 1333-86-4 | 0.42420 | 0.30143 | 3014 | |
| | | | Epoxy Resin | 7.50 | 25928-94-3 | 6.36300 | 4.52142 | 45214 | |
| | | | Phenol Resin | 6.00 | 28064-14-4 | 5.09040 | 3.61714 | 36171 | |
| | | Subtotal: | 100.00 | | | 84.84000 | 60.28565 | 602857 | |

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| Homogenous Material | Weight (mg) | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |
|---------------------|---------------|--------|--------------------|-----------------|------------|------------------|------------------|----------------|
| Plating | 2.12 | Sn | Tin | 100.00 | 7440-31-5 | 2.12000 | 1.50643 | 15064 |
| Subtotal: | | | | 100.00 | | 2.12000 | 1.50643 | 15064 |
| Total: | 140.73 | | | | | 140.73 | 100.00000 | 1000000 |

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