

Product Document

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 |
|---------------|----------------|--------------------------|------------|-------------|-----------------------|--------------|---------|------------|----------------|---------|
| AS5115-HSSM | SSOP 5.3mm | 180850044 | 16 | 141.52 | 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 | 42.76 | Ag | Silver | 0.30 | 7440-22-4 | 0.12828 | 0.09064 | 906 |
| | | Cu | Copper | 97.25 | 7440-50-8 | 41.58410 | 29.38390 | 293839 |
| | | Fe | Iron | 2.30 | 7439-89-6 | 0.98348 | 0.69494 | 6949 |
| | | Zn | Zinc | 0.15 | 7440-66-6 | 0.06414 | 0.04532 | 453 |
| | | Subtotal: | | 100.00 | | 42.76000 | 30.21481 | 302148 |
| Adhesive | 2.25 | Ag | Silver | 73.00 | 7440-22-4 | 1.64250 | 1.16061 | 11606 |
| | | BLO (1-10) | Gamma Butyrolactone | 3.00 | 96-48-0 | 0.06750 | 0.04770 | 477 |
| | | | Epoxy Resin | 21.00 | 25928-94-3 | 0.47250 | 0.33388 | 3339 |
| | | | Silver Oxide | 3.00 | 1301-96-8 | 0.06750 | 0.04770 | 477 |
| | | Subtotal: | | 100.00 | | 2.25000 | 1.58988 | 15899 |
| IC | 10.48 | Si | Silicon | 100.00 | 7440-21-3 | 10.48000 | 7.40531 | 74053 |
| | | Subtotal: | | 100.00 | | 10.48000 | 7.40531 | 74053 |
| Wire | 0.33 | Au | Gold | 99.00 | 7440-57-5 | 0.32670 | 0.23085 | 2309 |
| | | Pd | Palladium | 1.00 | 7440-05-3 | 0.00330 | 0.00233 | 23 |
| | | Subtotal: | | 100.00 | | 0.33000 | 0.23318 | 2332 |
| Moldcompound | 83.58 | SiO2 | Silica Fused | 86.00 | 60676-86-0 | 71.87880 | 50.79056 | 507906 |
| | | | Carbon Black | 0.50 | 1333-86-4 | 0.41790 | 0.29529 | 2953 |
| | | | Epoxy Resin | 7.50 | 25928-94-3 | 6.26850 | 4.42941 | 44294 |
| | | | Phenol Resin | 6.00 | 28064-14-4 | 5.01480 | 3.54353 | 35435 |
| | | Subtotal: | | 100.00 | | 83.58000 | 59.05879 | 590588 |

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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 | 1.49802 | 14980 |
| Subtotal: | | | | 100.00 | | 2.12000 | 1.49802 | 14980 |
| Total: | 141.52 | | | | | 141.52 | 100.00000 | 1000000 |

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