

# Material Declaration Form

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ams AG  
Tobelbader Strasse 30  
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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 |
|---------------|--------------------------|--------------------------|------------|-------------|-----------------------|--------------|---------|------------|----------------|---------|
| AS8525-AQFP   | punched QFN<br>5x5x0.9mm | 183250011                | 32         | 72.33       | Korea                 | YES          | YES     | YES        | FULL           | 1       |

| Homogenous Material | Weight (mg) | Symbol           | Chemical Substance  | Input Ratio (%) | CAS Number      | Unit Weight (mg) | Unit Weight (%) | Amount (ppm) |    |
|---------------------|-------------|------------------|---------------------|-----------------|-----------------|------------------|-----------------|--------------|----|
| Leadframe           | 31.17       | Ag               | Silver              | 0.30            | 7440-22-4       | 0.09352          | 0.12929         | 1293         |    |
|                     |             | Cu               | Copper              | 97.25           | 7440-50-8       | 30.31499         | 41.91066        | 419107       |    |
|                     |             | Fe               | Iron                | 2.30            | 7439-89-6       | 0.71696          | 0.99120         | 9912         |    |
|                     |             | Zn               | Zinc                | 0.15            | 7440-66-6       | 0.04676          | 0.06464         | 646          |    |
|                     |             | <b>Subtotal:</b> | <b>100.00</b>       | <b>31.17223</b> | <b>43.09580</b> | <b>430958</b>    |                 |              |    |
| Adhesive            | 0.81        | Ag               | Silver              | 77.00           | 7440-22-4       | 0.62047          | 0.85780         | 8578         |    |
|                     |             | BLO (1-10)       | Gamma Butyrolactone | 1.00            | 96-48-0         | 0.00806          | 0.01114         | 111          |    |
|                     |             |                  | Epoxy Resin         | 22.00           | 25928-94-3      | 0.17728          | 0.24509         | 2451         |    |
|                     |             | <b>Subtotal:</b> | <b>100.00</b>       | <b>0.80580</b>  | <b>1.11402</b>  | <b>11140</b>     |                 |              |    |
| IC                  | 5.61        | Si               | Silicon             | 95.00           | 7440-21-3       | 5.33232          | 7.37197         | 73720        |    |
|                     |             |                  | Polyimide           | 5.00            | 58698-66-1      | 0.28065          | 0.38800         | 3880         |    |
|                     |             | <b>Subtotal:</b> | <b>100.00</b>       | <b>5.61297</b>  | <b>7.75997</b>  | <b>77600</b>     |                 |              |    |
| Wire                | 0.21        | Au               | Gold                | 99.00           | 7440-57-5       | 0.21029          | 0.29072         | 2907         |    |
|                     |             |                  | Pd                  | Palladium       | 1.00            | 7440-05-3        | 0.00212         | 0.00294      | 29 |
|                     |             | <b>Subtotal:</b> | <b>100.00</b>       | <b>0.21241</b>  | <b>0.29366</b>  | <b>2937</b>      |                 |              |    |
| Moldcompound        | 33.24       | SiO2             | Silica Fused        | 85.00           | 60676-86-0      | 28.25757         | 39.06626        | 390663       |    |
|                     |             |                  | Carbon Black        | 0.30            | 1333-86-4       | 0.09973          | 0.13788         | 1379         |    |
|                     |             |                  | Epoxy Resin         | 9.00            | 25928-94-3      | 2.99198          | 4.13643         | 41364        |    |
|                     |             |                  | Phenol Resin        | 5.70            | 28064-14-4      | 1.89492          | 2.61974         | 26197        |    |
|                     |             | <b>Subtotal:</b> | <b>100.00</b>       | <b>33.24420</b> | <b>45.96031</b> | <b>459603</b>    |                 |              |    |

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| Homogenous Material | Weight (mg)  | Symbol | Chemical Substance | Input Ratio (%) | CAS Number | Unit Weight (mg) | Unit Weight (%)  | Amount (ppm)   |
|---------------------|--------------|--------|--------------------|-----------------|------------|------------------|------------------|----------------|
| Plating             | 1.28         | Sn     | Tin                | 100.00          | 7440-31-5  | 1.28480          | 1.77624          | 17762          |
| <b>Subtotal:</b>    |              |        |                    | <b>100.00</b>   |            | <b>1.28480</b>   | <b>1.77624</b>   | <b>17762</b>   |
| <b>Total:</b>       | <b>72.33</b> |        |                    |                 |            | <b>72.33</b>     | <b>100.00000</b> | <b>1000000</b> |

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