



FULL MATERIAL DECLARATION

| Part Number : | | AS7C1026B-xxTCN | | | Prepared by | | ram@alliancememory.com | | |
|---------------------|-----------------------------------|-----------------|-------------------|----------------------------|--------------|-------------------------------|--|-----------------------|-----------|
| Package : | | TSOP2-44 pin | | | Approved by | | dick@alliancememory.com | | |
| Part Weight : | | 467.92 | UOM : | | mg | | Dated: JUNE2015 | | |
| No. | Part Name | Material Name | Component wt (mg) | Material Content (Element) | CAS Number | Element Wt (%) ^(A) | Element Wt (mg) | Wt % Of Total Unit Wt | ppm |
| 1 | Leadframe (SES) | Copper | 95.1400 | Copper | 7440-50-8 | 97.9 | 93.09 | 19.90 | 198953.86 |
| | | | | Silver | 7440-22-4 | 1.6 | 1.47 | 0.32 | 3151.54 |
| | | | | Magnesium | 7439-95-4 | 0.2 | 0.14 | 0.03 | 304.99 |
| | | | | Silicon | 7440-21-3 | 0.9 | 0.89 | 0.19 | 1911.26 |
| | | | | Nickel | 7440-02-0 | 3.1 | 2.99 | 0.64 | 6384.42 |
| | | | | | | | | | |
| 2 | Die attach material Hitachi Epoxy | 4900 | 5.0800 | Acrylic resin | Trade secret | 8 | 0.41 | 0.09 | 868.52 |
| | | | | Polybutadiene derivativee | Trade secret | 6 | 0.30 | 0.07 | 651.39 |
| | | | | Butadiene Copolymer | Trade secret | 1.2 | 0.06 | 0.01 | 130.28 |
| | | | | Acrylate | Trade secret | 5 | 0.25 | 0.05 | 542.83 |
| | | | | Epoxy resin | Trade secret | 2.5 | 0.13 | 0.03 | 271.41 |
| | | | | Peroxide | Trade secret | 0.5 | 0.03 | 0.01 | 54.28 |
| | | | | Additive | Trade secret | 1.3 | 0.07 | 0.01 | 141.14 |
| | | | | Silver | Trade secret | 78 | 3.96 | 0.85 | 8468.11 |
| 3 | Gold Wire Tanaka | Gold | 0.7200 | Au | 7440-57-5 | 99.99 | 0.72 | 0.15 | 1538.57 |
| | | | | | | | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 4 | Tin Plate (Yunnan) | Pure Tin | 3.8600 | Sn | 7440-31-5 | 100 | 3.86 | 0.82 | 8249.27 |
| 5 | Mold Compound Hitachi9200 | CEL-9200HF | 355.7400 | Epoxy resin-1 | Trade secret | 3 | 10.67 | 2.28 | 22807.74 |
| | | | | Epoxy resin2 | Trade secret | 1.5 | 5.34 | 1.14 | 11403.87 |
| | | | | Phenol Resin | Trade secret | 3 | 10.67 | 2.28 | 22807.74 |
| | | | | Phenol Resin2 | Trade secret | 2 | 7.11 | 1.52 | 15205.16 |
| | | | | CarbonBlack | 1333-86-4 | 0.2 | 0.71 | 0.15 | 1520.52 |
| | | | | Silica | 60676-86-0 | 89 | 316.61 | 67.66 | 676629.77 |
| | | | | Others | - | 1.3 | 4.62 | 0.99 | 9883.36 |
| 6 | Die | Silicon Chip | 7.3800 | Si | - | 100 | 7.38 | 1.58 | 15771.93 |
| | | | | | | | | | |
| Total unit weight = | | | 467.920 | | | | | | |

Note:

- (A) Element Wt Composition is derived from MSDS and/or material C of C from Vendors
- (B) Wt of silver spotted on leadframe is estimated.
- (C) Component Weight based on assembly of generic parts.