



ALLIANCE MEMORY MDS REPORT

| Part Number: | | AS5F18G04SND-10LIN | | | | | | | |
|--------------|---------------|----------------------|-------------------|---|--------------|----------------|-----------------|-----------------------|---------|
| Part Weight: | | 73.215mg | | | | | | | |
| No. | Part Name | Material Name | Component wt (mg) | Material Content (Element) | CAS Number | Element wt (%) | Element wt (mg) | wt % of Total unit wt | PPM |
| 1 | Substrate | HL-832NX-A / AUS 308 | 18.889 | Copper (Cu) | 7440-50-8 | 11.02% | 2.082 | 2.84% | 110200 |
| | | | | Nickel (Ni) | 7440-02-0 | 1.50% | 0.283 | 0.39% | 15000 |
| | | | | Gold (Au) | 7440-57-5 | 0.25% | 0.047 | 0.06% | 2500 |
| | | | | solder mask | Tradeseecret | 16.25% | 3.070 | 4.19% | 162500 |
| | | | | Cured thermosetting resin (including inorganic filler) | Trade Secret | 30.00% | 5.667 | 7.74% | 300000 |
| | | | | Continuous Filament Fiber Glass | Trade Secret | 40.98% | 7.741 | 10.57% | 409800 |
| 2 | Mold compound | G760 | 46.133 | 2,2'-((3,3',5,5'-tetramethyl-(1,1'-biphenyl)-4,4'-diyl)bis(oxymethylene))-bis-oxirane | 85954-11-6 | 8.00% | 3.691 | 5.04% | 80000 |
| | | | | Phenol Resin A | Trade Secret | 2.70% | 1.246 | 1.70% | 27000 |
| | | | | Phenol Resin B | Trade Secret | 2.80% | 1.292 | 1.76% | 28000 |
| | | | | Silica(Amorphous) A | 60676-86-0 | 70.00% | 32.293 | 44.11% | 700000 |
| | | | | Silica(Amorphous) B | 7631-86-9 | 8.00% | 3.691 | 5.04% | 80000 |
| | | | | Metal Hydroxide | Trade Secret | 8.00% | 3.691 | 5.04% | 80000 |
| 3 | DAF | EM760 | 1.325 | Carbon Black | 1333-86-4 | 0.50% | 0.231 | 0.32% | 5000 |
| | | | | Acrylic resin (Die attach film) | Trade Secret | 50.00% | 0.663 | 0.91% | 500000 |
| | | | | Silica, amorphous(Die attach film) | 7631-86-9 | 45.00% | 0.596 | 0.81% | 450000 |
| 4 | Gold wire | Au | 0.132 | Phenol resin (Die attach film) | Trade Secret | 5.00% | 0.066 | 0.09% | 50000 |
| | | | | Gold | 7440-57-5 | 100.00% | 0.132 | 0.18% | 999960 |
| 5 | Die | Chip | 6.736 | Calcium | 7440-70-2 | 0.00% | 0.000 | 0.00% | 40 |
| | | | | Silicon | 7440-21-3 | 98.00% | 6.601 | 9.02% | 980000 |
| | | | | Aluminum | 7429-90-5 | 2.00% | 0.135 | 0.18% | 20000 |
| | | | | | | 500.00% | 73.215 | 100.00% | 5000000 |

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