

Akros Silicon

Package: 16QSOP
 Device: AS1602

| MATERIAL | WEIGHT (mg) | Components | CAS Number | Composition % | Weight/Device (mg) | % wt | ppm |
|-----------------------------|-------------|-----------------------|--------------|---------------|--------------------|----------|---------|
| Adhesive Sumitomo CRM1076NS | 0.4057 | Silver | 7440-22-4 | 80.00 | 0.324560 | 0.39000 | 3900 |
| | | Epoxy Resins | 9003-36-5 | 10.00 | 0.040570 | 0.04875 | 488 |
| | | Diluent | 26447-14-3 | 6.00 | 0.024342 | 0.02925 | 293 |
| | | Dicyandiamide | 461-58-5 | 0.50 | 0.002029 | 0.00244 | 24 |
| | | Hardner | 620-92-8 | 3.50 | 0.014200 | 0.01706 | 171 |
| Lead Frame ASM | 34.0489 | Copper | 7440-50-8 | 97.09 | 33.056375 | 39.72167 | 397217 |
| | | Iron | 7439-89-6 | 2.30 | 0.783125 | 0.94103 | 9410 |
| | | Lead | 7439-92-1 | 0.01 | 0.001702 | 0.00205 | 20 |
| | | Silver | 7440-22-4 | 0.40 | 0.136196 | 0.16366 | 1637 |
| | | Phosphorous | 7723-14-0 | 0.09 | 0.030644 | 0.03682 | 368 |
| | | Zinc | 7440-66-6 | 0.12 | 0.040859 | 0.04910 | 491 |
| Plating 100% matt tin | 1.4016 | Tin | 07440-31-5 | 99.99 | 1.401460 | 1.68404 | 16840 |
| | | Lead | 07439-92-1 | 0.005 | 0.000070 | 0.00008 | 1 |
| | | Copper | 07440-50-8 | 0.003 | 0.000042 | 0.00005 | 1 |
| | | Antimony | 07440-36-0 | 0.001 | 0.000014 | 0.00002 | 0 |
| Gold Wire K & S | 0.2403 | Gold | 7440-57-5 | 100.00 | 0.240300 | 0.28875 | 2888 |
| Encapsulation Sumitomo G600 | 46.3082 | Silica Fused | 60676-86-0 | 87.70 | 40.612291 | 48.80112 | 488011 |
| | | Epoxy Resin | Trade secret | 5.00 | 2.315410 | 2.78228 | 27823 |
| | | Epoxy, Cresol Novolac | 29690-82-2 | 2.00 | 0.926164 | 1.11291 | 11129 |
| | | Phenol Resin | Trade secret | 5.00 | 2.315410 | 2.78228 | 27823 |
| | | Carbon Black | 1333-86-4 | 0.30 | 0.138925 | 0.16694 | 1669 |
| Silicon Chip | 0.8153 | Si (Die) | 7440-21-3 | 100.00 | 0.815300 | 0.97969 | 9797 |
| Total weight (mg) | 83.2200 | | | | | 100.00 | 1000000 |