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| <b>Akros Silicon</b> |        |
| Package:             | 16QSOP |
| Device:              | AS1601 |

| 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    |
|                             |             | Phosporous         | 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 Novo | 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 |