

**TOREX SEMICONDUCTOR LTD.**  
Quality Assurance Dept.

## Composition Table

Product(Pb-free): XC6213xxxxNR-G

Typical Mass: 7 mg

| Part name    | Weight(mg) | Material name | Ratio(ppm) | CAS number |
|--------------|------------|---------------|------------|------------|
| Silicon chip | 0.197      | Silicon       | 28100      | 7440-21-3  |
|              |            | - Arsenic     | 2          | 7440-38-2  |
| Leadframe    | 2.790      | Copper        | 398500     | 7440-50-8  |
|              |            | Tin           | 9400       | 7440-31-5  |
|              |            | Zinc          | 100        | 7440-66-6  |
|              |            | Chromium      | 400        | 7440-47-3  |
|              |            | Silver        | 10100      | 7440-22-4  |
|              |            | Die attach    | 0.013      | Silver     |
|              | 0.001      | Epoxy         | 200        | —          |
| Bonding wire | 0.040      | Gold          | 5700       | 7440-57-5  |
| Resin        | 3.185      | Silica        | 454900     | 60676-86-0 |
|              |            | Epoxy Resin   | 36200      | —          |
|              |            | Phenol Resin  | 25800      | —          |
| Plating      | 0.200      | Tin           | 28600      | 7440-31-5  |

\* The component composition is based on the information provided by raw material vender.

\* The mass of the IC and its fractions could be different due to the manufacturing conditions of materials.

\* Any indication "-" in CAS number means "confidential."