

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

## Composition Table

Product(Pb-free): XC9237xxxx0R-G  
Typical Mass: 1.0 mg

Part name	Weight(mg)	Material name	Ratio(ppm)	CAS number
Silicon chip	0.7663	Silicon	766300	7440-21-3
	0.000001	Arsenic	1	7440-38-2
Polyimide	0.0241	Polyimide Resin	24100	-
	0.0024	Methacrylate Resin	2400	-
Redistribution Layer	0.0251	Copper	25100	7440-50-8
	0.0050	Nickel	5000	7440-02-0
	0.0004	Titanium	400	7440-32-6
Solder ball	0.1705	Tin	170500	7440-31-5
	0.0053	Silver	5300	7440-22-4
	0.0009	Copper	900	7440-50-8

\* 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."