



Torex...Powerfully Small!

TOREX SEMICONDUCTOR LTD.
Quality Assurance Dept.

Composition Table

Product(Pb-free): XC9141xxx0R-G

Typical Mass: 1.0 mg

Part name	Weight(mg)	Material name	Ratio(ppm)	CAS number
Silicon chip	0.8496	Silicon	849600	7440-21-3
	0.000001	Arsenic	1	7440-38-2
Polyimide	0.0220	Polyimide Resin	22000	-
	0.0022	Methacrylate Resin	2200	-
Redistribution Layer	0.0148	Copper	14800	7440-50-8
	0.0002	Titanium	200	7440-32-6
Under Bump Metal	0.0082	Nickel	8200	7440-02-0
Solder Bump	0.0471	Tin	47100	7440-21-5
	0.0014	Silver	1400	7440-22-4
	0.0002	Copper	200	7440-50-8
Top Coat	0.0323	Silica	32300	60676-86-0
	0.0110	Epoxy resin	11000	-
	0.0110	Acrylic resin	11000	-

* 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."