



Torex...Powerfully Small!

TOREX SEMICONDUCTOR LTD.
Quality Assurance Dept.

Composition Table

Product(Pb-free): XC9519xxxxZR-G

Typical Mass: 42 mg

Part name	Weight(mg)	Material name	Ratio(ppm)	CAS number
Silicon chip	2.854	Silicon	68000	7440-21-3
		- Arsenic	<1	7440-38-2
Leadframe	19.842	Copper	472400	7440-50-8
	0.451	Iron	10700	7439-89-6
	0.025	Zinc	600	7440-66-6
	0.016	Phosphorus	400	7723-14-0
	0.249	Silver	5900	7440-22-4
Die attach	0.293	Silver	7000	7440-22-4
	0.059	Epoxy	1400	—
Bonding wire	0.741	Gold	17600	7440-57-5
Resin	15.563	Silica	370600	60676-86-0
	0.550	Epoxy resin	13100	—
	0.550	Phenol resin	13100	—
Plating	0.807	Tin	19200	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."