

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

## Composition Table

Product(Pb-free):   XC9128xxxxDR-G  
Typical Mass:           12     mg

Part name	Weight(mg)	Material name	Ratio(ppm)	CAS number
Silicon chip	1.435	Silicon	119600	7440-21-3
	-	Arsenic	7	7440-38-2
Lead pad	2.831	Nickel	236000	7440-02-0
	0.223	Silver	18600	7440-22-4
	0.042	Gold	3500	7440-57-5
Die attach	0.042	Epoxy Resin	3500	—
	0.036	Silica	3000	60676-86-0
Bonding wire	0.371	Gold	30900	7440-57-5
Resin	6.318	Silica	526500	60676-86-0
	0.386	Epoxy Resin	32200	—
	0.316	Phenol Resin	26300	—

\* 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."