



# Material Declaration

## Statement of Materials, Construction

Part Number: CLC4007ITP14X

Package: 14L TSSOP

	Component		Material			Material Weight %	
	Name	Weight (mg)	Element/Compound	CAS No.	Weight (mg)	/Total Unit	/ Component
1	Die	0.4740	Silicon	7440-21-3	0.4740	0.71	100.00
2	Die	0.4740	Silicon	7440-21-3	0.4740	0.71	100.00
3	Die Attach	0.0528	Silica fused A	-	0.0026	0.00	5.00
			Silica fused B	7631-86-9	0.0196	0.03	37.20
			Organic spacer filler	-	0.0026	0.00	5.00
			Allyl compound	-	0.0079	0.01	15.00
			Epoxy resin A	9003-36-5	0.0026	0.00	5.00
			Epoxy resin B	-	0.0053	0.01	10.00
			Diluent A	-	0.0026	0.00	5.00
			Diluent B	-	0.0053	0.01	10.00
			Phenoli hardener	-	0.0026	0.00	5.00
			Coupling Agent	-	0.0011	0.00	2.00
4	Leadframe	21.1200	Copper	7440-50-8	20.3491	30.61	96.35
			Nickel	7440-02-0	0.5280	0.79	2.50
			Silicon	7440-21-3	0.0528	0.08	0.25
			Magnesium	7439-95-4	0.0211	0.03	0.10
			Silver	7440-22-4	0.1690	0.25	0.80
5	Mold Compound	42.3072	Epoxy Resin	-	3.8076	5.73	9.00
			Phenol Resin	-	1.6923	2.55	4.00
			Silica (Amorphous)A	60676-86-0	33.2112	49.96	78.50
			Silica (Amorphous)B	7631-86-9	3.3846	5.09	8.00
			Carbon Black	1333-86-4	0.2115	0.32	0.50
6	Plating	1.9800	Sn	7440-31-5	1.9798	2.98	99.99
			Others	-	0.0002	0.00	0.01
7	Wire	0.0660	Au	7440-57-5	0.0660	0.10	100.00
Total Unit Weight:		66.47					

Component weight is based on homogenous material used to assemble the unit. | Composition derived from the material declaration from vendors.

### RoHS Certificate of Compliance

This package is fully RoHS compliant. The table above shows that this package meets the following RoHS requirements for EACH PACKAGE COMPONENT.

RoHS 2 (Recast) 2011/65/EU | Fully Compliant

REACH | Fully Compliant

Halogen-free | Green

EU RoHS Restricted Substance	Allowable Limit (at homogenous material level)
Cadmium & its compounds (Cd)	100 ppm (0.01 weight %)
Hexavalent Chromium & its compounds (Cr(VI))	1000 ppm (0.10 weight %)
Mercury & its compounds (HG)	1000 ppm (0.10 weight %)
Polybrominated biphenyls (PBB)	1000 ppm (0.10 weight %)
Polybrominated diphenyl ethers (PBDE)	1000 ppm (0.10 weight %)
Lead & its compounds (Pb)	1000 ppm (0.10 weight %)

Dodd-Frank Wall Street Reform and Consumer Protection Act, July 21, 2010

We comply with this conflict metal free policy that restricts the use of those conflict metals, mining from the Democratic Republic of Congo (DRC) and it's adjoining countries. Exar will not accept product which uses these conflict metals from these areas. We require our suppliers to enforce this policy and be able to identify and verify from their sources of minerals are conflict free. Suppliers are required to report if they or any supplier through their supply chain use any of these conflict metals that are derived from certain conflict minerals originating in the DRC or an adjoining country. Exar Corporation is not aware of any conflict metals to be used in any of their products.

