

Model 93LF BOM-style material declaration. BI Technologies Corporation
8/17/2010

No content here is banned per E.U. R.o.H.S.. Average mass of 93LF trimmer is 1.4 grams each. Prepared by Eric Arnold (714) 447-2565
Weights above 1 milligram rounded to the nearest mg. Values less than 1 milligram given in scientific notation.

Sub-component	Material	% of total mass	Substance name	CAS #	Substance Weight (grams)	Special classification
Housing	PBT blend	28.4%	PBT	26062-94-2	0.302	Fire retardant
			Fiberglass	65997-17-3	0.080	
			Carbon black	1333-86-4	0.004	
			Sb	7440-36-0	0.004	
			SbO	1309-64-4	0.012	
Rotor	PBT blend	11.8%	PBT	26062-94-2	0.112	
			Fiberglass	65997-17-3	0.050	
			SbO	1309-64-4	0.005	
Contact	Cu alloy wire	0.10%	Cu	7440-50-8	7.54E-04	
			Zn	7440-66-6	3.70E-04	
			Ni	7440-02-0	2.47E-04	
	Nickel alloy bar	0.07%	Cu	7440-50-8	5.00E-07	
			Ni	7440-02-0	8.46E-04	
			C	7440-44-0	6.00E-07	
			Mn	7439-96-5	2.50E-06	
			Fe	7439-89-6	1.50E-04	
			S	7704-34-9	5.00E-08	
			Si	7440-21-3	5.00E-07	
Terminals	Cu wire	9.5%	Cu	7440-50-8	0.134	
	Sn plating	0.31%	Sn	7440-31-5	4.37E-03	
Potting	Epoxy	18.3%	SiO2, amorphous	7631-86-9	0.013	BPA
			modified aliphatic polyamine	trade secret	0.052	
			hydantoin epoxy resin	15336-82-0	0.013	
			epichlorohydrin / polyglycol epoxy resin	26142-30-3	0.013	
			epichlorohydrin/bisphenol A epoxy resin	unknown	0.155	
			cycloaliphatic epoxy resin	2386-87-0	0.013	
Substrate	Alumina	31.6%	Al2O3	1344-28-1	0.430	
			SiO2, amorphous	7631-86-9	0.004	
			TiO2	13463-67-7	0.002	
			FeO2	1345-25-1	0.002	
			MnO2	1313-13-9	0.004	
			MgO	1309-48-4	0.002	
			CaO	1305-78-8	0.002	
Conductor	AgPd thick film	0.04%	Al2O3	1344-28-1	3.73E-06	RoHS exemption 34
			SiO2, amorphous	7631-86-9	1.63E-05	
			TiO2	13463-67-7	3.73E-06	
			PbO	1317-36-8	2.23E-05	
			ZnO	1314-13-2	4.05E-06	
			B2O3	1303-86-2	1.37E-06	
			ZrO2	1314-23-4	3.30E-07	
			BaO	1304-28-5	4.23E-06	
			Ag	7440-22-4	4.44E-04	
			Pd	7440-05-3	4.95E-05	
Resistor	Ruthenate thick film	0.04%	Al2O3	1344-28-1	6.64E-06	RoHS exemption 34
			SiO2, amorphous	7631-86-9	5.58E-05	
			TiO2	13463-67-7	6.64E-06	
			MnO2	1313-13-9	3.00E-06	
			PbO	1317-36-8	1.46E-04	
			ZnO	1314-13-2	1.60E-05	
			B2O3	1303-86-2	1.87E-05	
			ZrO2	1314-23-4	4.48E-06	
			BaO	1304-28-5	7.55E-06	
			Ag	7440-22-4	1.80E-05	
			Pd	7440-05-3	2.30E-05	
			Steatite	14807-96-6	1.00E-06	
			Bi2Ru2O6	unknown	2.25E-05	
			Pb2Ru2O6+x	unknown	1.60E-04	
			RuO2	12036-10-1	1.05E-05	