6137 BOM-style material declaration. BI Technologies Corporation **12/7/2010**

No content here is banned per E.U. R.o.H.S.. Average mass of 6137 potentiometer is 18 grams each. Prepared by Eric Arnold (714) 447-2565
Weights in table 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	Zn alloy	40.3%	Zn	7440-66-6	6.976	
			Al	7429-90-5	0.291	
			Cd	7440-43-9	3.64E-05	5 ppm concentration, below E.U. RoHS restriction threshold
			Cu	7440-50-8	7.27E-04	
			Fe	7439-89-6	0.002	
			Mg	7439-95-4	7.27E-04	
			Ni	7440-02-0	7.27E-04	
			Pb	7439-92-1	7.27E-05	10 ppm concentration, below E.U. RoHS restriction threshold
			Sn	7440-31-5	1.45E-05	
	bronze, oil impregnated	5.6%	trade secret	n/a	1.016	non-hazardous, Pb in bronze will be exempt from E.U. RoHS
	marking	0.002%	C	7440-44-0	1.02E-04	
			cobalt napthenate	61789-51-3	5.10E-06	
			cobalt neodecanonate	27253-31-2	5.10E-06	
			Hexahydro-1,3-isobenzofurandione	85-42-7	2.55E-05	
			trade secret	n/a	1.63E-04	non-hazardous
	Zn oxide coating	n/a	trade secret black oxide	n/a	trace (unspecified)	non-hazardous
Rotor	PA 66 plastic blend	5.4%	polyhexamethylene adipamide	32131-17-2	0.628	
			fiberglass	65997-17-3	0.319	
			trade secret	n/a	0.019	non-hazardous
Shaft	stainless steel	25.7%	Fe	7439-89-6	3.346	
			C	7440-44-0	0.005	
			Cr (0)	7440-47-3	0.834	
			Mn	7439-96-5	0.046	
			Ni	7440-02-0	0.371	
			P	7723-14-0	0.005	
			S	7704-34-9	0.005	
			Si	7440-21-3	0.023	
Contact	Cu alloy	0.1%	Cu	7440-50-8	0.008	
			Sn	7440-31-5	8.93E-04	
			Ni	7440-02-0	1.52E-03	
	Pd alloy	0.01%	Pd	7440-05-3	5.46E-04	
			Ag	7440-22-4	4.71E-04	
			Pt	7440-06-4	1.24E-05	
			Cu	7440-50-8	8.79E-04	
			Ni	7440-02-0	1.69E-04	
Terminals	OFHC copper	1.4%	Cu	7440-50-8	0.250	
	Sn plating	0.01%	Sn	7440-31-5	0.002	
Element	alumina	13.3%	Al2O3	1344-28-1	2.295	
			CaO	1305-78-8	0.012	
			FeO2	1345-25-1	0.012	
			MgO	1309-48-4	0.012	
			MnO2	1313-13-9	0.024	
			SiO2	7631-86-9	0.024	
			TiO2	13463-67-7	0.012	
	Marking ink	0.02%	DAIP resin	1087-21-4	0.003	
			carbon black	1333-86-4	1.80E-04	
			SiO2	7631-86-9	2.48E-04	
	Lubricant	0.001%	trade secret	n/a	2.00E-04	non-hazardous
	Conductor	0.02%	Ag	7440-22-4	0.002	
			Bi03	1304-76-3	1.19E-04	bismuth compound
			NiO	1313-99-1	4.08E-05	
			nonylphenol ethoxylate	68412-53-3	4.08E-05	
			Pd	7440-05-3	7.98E-04	
			trade secret	n/a	3.19E-04	non-hazardous
	Resistor	0.02%	DAIP resin	1087-21-4	0.002	

			C	7440-44-0	9.14E-04	
			3-(trimethoxysilyl) propyl methacrylate	2530-85-0	2.75E-05	
			SiO2	7631-86-9	1.54E-05	
			t-butyl peroxybenzoate	614-45-9	5.20E-05	
			trade secret	n/a	6.99E-05	non-hazardous
Lockwasher	spring steel	1.7%	Fe	7439-89-6	0.294	
			C	7440-44-0	0.001	
			Mn	7439-96-5	0.002	
			P	7723-14-0	8.93E-05	
			S	7704-34-9	8.93E-05	
	Ni plating	0.02%	Ni	7440-02-0	0.004	
Nut	brass	6.5%	Cu	7440-50-8	0.726	
			Zn	7440-66-6	0.417	
			Pb	7439-92-1	0.038	Pb in copper alloy (E.U. RoHS exempt)
	Zn plating	0.03%	Zn	7440-66-6	0.006	