

6138 BOM-style material declaration. BI Technologies Corporation

12/13/2010

No content here is banned per E.U. R.o.H.S.. Average mass of 6138 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 Weight			Special classification				
			Substance name	CAS #	(grams)					
Housing	Zn alloy	40.3%	Zn	7440-66-6	6.976	5 ppm concentration, below E.U. RoHS restriction threshold 10 ppm concentration, below E.U. RoHS restriction threshold				
			Al	7429-90-5	0.291					
			Cd	7440-43-9	3.64E-05					
			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					
			Sn	7440-31-5	1.45E-05					
			bearing	5.6%	CDA 932 or C932000 bronze		unknown	1.015	non-hazardous, 7% Pb in bronze bearing is exempt from E.U. RoHS	
			bearing lubricant	0.003%	trade secret		n/a	5.00E-04	non-hazardous	
			marking	0.002%	C		7440-44-0	1.02E-04		
							cobalt naphthenate	61789-51-3	5.10E-06	
							cobalt neodecanonate	27253-31-2	5.10E-06	
			Hexahydro-1,3-isobenzofurandione	85-42-7	2.55E-05					
	Zn oxide coating	n/a	trade secret	n/a	1.63E-04	non-hazardous				
			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	7440-05-3	5.46E-04					
	Pd alloy	0.01%	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					
			BiO3	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	