

7386 BOM-style material declaration. BI Technologies Corporation

1/13/2011

No content here is banned per E.U. R.o.H.S.. Average mass of 7386 potentiometer is 21.4 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	PBT plastic blend	19.47%	PBT	26062-94-2	2.707	antimony fire retardant non-hazardous	
			fiberglass	65997-17-3	1.249		
			antimony oxide	1309-64-4	0.208		
	lubricant	0.001%	alkyl/fluoroalkyl substituted arylamine diisocyanate reaction product	n/a	5.00E-05		
			trifluoropropylmethyl siloxane trimethyl terminated	63148-56-1	1.50E-04		
			epoxy	0.01%	bisphenol-A		80-05-7
	calcium carbonate	471-34-1			6.01E-04		halogen halogen & BPA
	diethylene triamine	111-40-0			1.21E-04		
	epichlorohydrin	106-89-8	2.73E-08				
	epoxy resin, epichlorohydrin/bisphenol A	0.0014%	epoxy resin,	25068-38-6	5.46E-04		
			iron oxide, black	1317-61-9	9.10E-05		
			SiO2, amorphous	7631-86-9	3.64E-05		
			trimethylolethane triglycidyl ether	30499-70-8	5.46E-04		
			cobalt napthenate	61789-51-3	7.50E-06		
			cobalt neodecanonate	27253-31-2	7.50E-06		
marking	0.0014%	Hexahydro-1,3-isobenzofurandione	85-42-7	3.75E-05			
		trade secret	n/a	2.48E-04	non-hazardous		
		Front lid	PBT plastic blend	5.4%	PBT	26062-94-2	0.753
fiberglass	65997-17-3				0.348		
antimony oxide	1309-64-4				0.058	antimony fire retardant	
Bushing insert	11.15%				Cu	7440-50-8	1.467
					Zn	7440-66-6	0.842
Bushing Ni plating	0.02%	Pb	7439-92-1	0.076	Pb in copper alloy (E.U. RoHS exempt)		
		Ni	7440-02-0	0.004			
Rear lid	PBT plastic blend	2.5%	PBT	26062-94-2	0.351		
Slip ring	brass ring	1.16%	fiberglass	65997-17-3	0.162	antimony fire retardant	
			antimony oxide	1309-64-4	0.027		
			Cu	7440-50-8	0.174		
			Zn	7440-66-6	0.074		
	Cu plating	0.007%	Fe	7439-89-6	9.92E-05	Pb in copper alloy (E.U. RoHS exempt)	
			Pb	7439-92-1	1.24E-04		
			Cu	7440-50-8	0.001		
Ni plating	0.016%	Ni	7440-02-0	0.003			
		Au plating	0.026%	Au	7440-57-5	0.006	
		Slider block	PBT plastic blend	0.93%	PBT	26062-94-2	0.151
fiberglass	65997-17-3				0.040		
Sb	7440-36-0				0.002		
antimony oxide	1309-64-4				0.006	antimony fire retardant	
Contact spring	BeCu alloy				0.26%	Cu	7440-50-8
		Be	7440-41-7	0.001		beryllium compound	
		Ni	7440-02-0	5.67E-05			
Contact	Pd alloy	0.062%	Co	7440-48-4	5.67E-05		
			Cu	7440-50-8	3.07E-04		
			Ni	7440-02-0	7.36E-04		
			Au	7440-57-5	0.001		
			Pd	7440-05-3	0.006		
			Ag	7440-22-4	0.005		
			Pt	7440-06-4	1.33E-04		
2nd Slider block	PBT plastic blend	0.93%	Cu	7440-50-8	0.002		
			Ni	7440-02-0	1.33E-04		
			PBT	26062-94-2	0.151		
			fiberglass	65997-17-3	0.040		
2nd Contact	Pd alloy	0.062%	Sb	7440-36-0	0.002	antimony fire retardant	
			antimony oxide	1309-64-4	0.006		
			Pd	7440-05-3	0.006		

			Ag	7440-22-4	0.005	
			Pt	7440-06-4	1.33E-04	
			Cu	7440-50-8	0.002	
			Ni	7440-02-0	1.33E-04	
Rotor	PA66 blend	3.4%	nylon 6,6	32131-17-2	0.511	
			fiberglass	65997-17-3	0.219	
Shaft	stainless steel	35.3%	Fe	7439-89-6	5.231	
			C	7440-44-0	0.008	
			Cr (0)	7440-47-3	1.434	
			Mn	7439-96-5	0.008	
			Mo	7439-98-7	0.038	
			P	7723-14-0	0.008	
			S	7704-34-9	0.030	
			Ni	7440-02-0	0.755	
			Si	7440-21-3	0.038	
	lubricant	0.001%	trade secret	n/a	2.00E-04	non-hazardous
Terminals	brass	0.34%	Cu	7440-50-8	0.052	
			Zn	7440-66-6	0.022	
			Fe	7439-89-6	2.95E-05	
			Pb	7439-92-1	3.69E-05	Pb in copper alloy (E.U. RoHS exempt)
	Cu plating	0.0044%	Cu	7440-50-8	9.47E-04	
	Au plating	0.003%	Au	7440-57-5	6.13E-04	
Internal ribbon	Ni alloy	0.0033%	Cu	7440-50-8	7.00E-07	
			C	7440-44-0	4.90E-07	
			Fe	7439-89-6	3.50E-07	
			Mn	7439-96-5	1.33E-06	
			Ni	7440-02-0	0.001	
			S	7704-34-9	7.00E-08	
			Si	7440-21-3	1.05E-06	
Washer(s)	stainless steel	0.05%	Fe	7439-89-6	0.008	
			C	7440-44-0	1.04E-05	
			Cr (0)	7440-47-3	0.002	
			Mn	7439-96-5	1.04E-04	
			Ni	7440-02-0	8.34E-04	
			Si	7440-21-3	5.21E-05	
Truarc	carbon steel	0.31%	Fe	7439-89-6	0.066	
			C	7440-44-0	4.01E-04	
			Mn	7439-96-5	4.68E-04	
			P	7723-14-0	1.34E-05	
			S	7704-34-9	2.00E-05	
			Si	7440-21-3	1.67E-04	
Lockwasher	spring steel	1.50%	C	7440-44-0	0.002	
			Fe	7439-89-6	0.317	
			Mn	7439-96-5	0.002	
			P	7723-14-0	9.63E-05	
			S	7704-34-9	9.63E-05	
	Ni plating	0.02%	Ni	7440-02-0	0.004	
Nut	brass	5.65%	Cu	7440-50-8	0.744	
			Zn	7440-66-6	0.427	
			Pb	7439-92-1	0.039	Pb in copper alloy (E.U. RoHS exempt)
	Zn plating	0.027%	Zn	7440-66-6	0.006	
Resistance coil	NiCr alloy	0.68%	Ni	7440-02-0	0.109	
			Cr (0)	7440-47-3	0.026	
			Al	7429-90-5	0.004	
			Si	7440-21-3	0.001	
			Mn	7439-96-5	0.003	
			Cu	7440-50-8	0.002	
	Cu core	10.11%	Cu	7440-50-8	2.163	
	insulation	0.53%	polyimide, aromatic	25038-81-7	0.114	
	lubricant	0.0016%	trade secret	n/a	3.50E-04	non-hazardous