

7386 BOM-style material declaration. BI Technologies Corporation

11/12/2014

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			
			fiberglass	65997-17-3	1.249			
			antimony oxide	1309-64-4	0.208	antimony fire retardant		
	lubricant	0.001%	alkyl/fluoroalkyl substituted arylamine diisocyanate reaction product	n/a	5.00E-05	non-hazardous		
			trifluoropropylmethyl siloxane trimethyl terminated	63148-56-1	1.50E-04			
			epoxy	0.01%	bisphenol-A	80-05-7	5.94E-05	BPA
	marking	0.0014%	calcium carbonate	471-34-1	6.01E-04			
			diethylene triamine	111-40-0	1.21E-04			
			epichlorohydrin	106-89-8	2.73E-08	halogen		
			epoxy resin, epichlorohydrin/bisphenol A	25068-38-6	5.46E-04	halogen & BPA		
			iron oxide, black	1317-61-9	9.10E-05			
			SiO ₂ , 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			
			Hexahydro-1,3-isobenzofurandione trade secret	85-42-7	3.75E-05	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	
Bushing Ni plating	0.02%	Zn	7440-66-6	0.842				
		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 oxide	1309-64-4	0.027	antimony fire retardant		
			Cu	7440-50-8	0.174			
			Zn	7440-66-6	0.074			
			Fe	7439-89-6	9.92E-05			
			Pb	7439-92-1	1.24E-04	Pb in copper alloy (E.U. RoHS exempt)		
	Cu plating	0.007%	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			
Contact spring	BeCu alloy	0.26%	fiberglass	65997-17-3	0.040			
			Sb	7440-36-0	0.002			
			antimony oxide	1309-64-4	0.006	antimony fire retardant		
			Cu	7440-50-8	0.056			
			Be	7440-41-7	0.001	beryllium compound		
			Ni	7440-02-0	5.67E-05			
			Co	7440-48-4	5.67E-05			
Contact	Pd alloy	0.062%	Cu plating	0.0014%	Cu	7440-50-8	3.07E-04	
			Ni plating	0.0034%	Ni	7440-02-0	7.36E-04	
			Au plating	0.005%	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			
			Sb	7440-36-0	0.002			
			antimony oxide	1309-64-4	0.006	antimony fire retardant		

2nd Contact	Pd alloy	0.062%	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	6.96E-04				
			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	can be external nickel	
			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 or Ni plating	0.027%	Zn or Ni	7440-66-6 or 7440-02-0	0.006	can be external nickel			
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	8.72E-04				
			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	