

7286 BOM-style material declaration. BI Technologies Corporation

1/12/2011

No content here is banned per E.U. R.o.H.S.. Average mass of 7286 potentiometer is 21.2 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	19.66%	PBT	26062-94-2	2.707			
			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	antimony fire retardant non-hazardous		
			trifluoropropylmethyl siloxane trimethyl terminated	63148-56-1	1.50E-04			
	epoxy	0.01%	bisphenol-A	80-05-7	5.94E-05	BPA		
			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			
	marking	0.0014%	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	85-42-7	3.75E-05			
trade secret			n/a	2.48E-04	non-hazardous			
Front lid	PBT plastic blend	5.47%	PBT	26062-94-2	0.753			
			fiberglass	65997-17-3	0.348			
			antimony oxide	1309-64-4	0.058			
	Bushing insert	11.26%	Cu	7440-50-8	1.467	antimony fire retardant		
			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	2.55%	PBT	26062-94-2	0.351			
Slip ring	brass ring	1.17%	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			
Slider block	PBT plastic blend	0.94%	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	
Contact spring	BeCu alloy	0.27%	PBT	26062-94-2	0.151	antimony fire retardant		
			fiberglass	65997-17-3	0.040			
			Sb	7440-36-0	0.002			
			antimony oxide	1309-64-4	0.006			
			Cu	7440-50-8	0.056			
	Cu plating	0.0014%	Be	7440-41-7	0.001	beryllium compound		
			Ni	7440-02-0	5.67E-05			
Contact	Pd alloy	0.06%	Co	7440-48-4	5.67E-05			
			Cu	7440-50-8	3.07E-04			
			Ni plating	0.0035%	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			
Rotor	PA66 blend	3.45%	Pt	7440-06-4	1.33E-04			
			Cu	7440-50-8	0.002			
Shaft	stainless steel	35.64%	Ni	7440-02-0	1.33E-04			
			nylon 6,6	32131-17-2	0.511			
			fiberglass	65997-17-3	0.219			
Shaft	stainless steel	35.64%	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	
			trade secret	n/a	2.00E-04	non-hazardous
Terminals	lubricant	0.001%				
	brass	0.35%	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	0.0045%	Cu	7440-50-8	9.47E-04	
	Au plating	0.0029%	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	0.32%	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	1.52%	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	5.71%	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	0.69%	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	10.21%	Cu	7440-50-8	2.163	
	insulation	0.54%	polyimide, aromatic	25038-81-7	0.114	
	lubricant	0.0017%	trade secret	n/a	3.50E-04	non-hazardous