

7284 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 7284 potentiometer is 20.8 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	20.0%	PBT	26062-94-2	2.707	antimony fire retardant non-hazardous BPA halogen halogen & BPA	
			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		
			bisphenol-A	80-05-7	5.94E-05		
	epoxy	0.010%	calcium carbonate	471-34-1	6.01E-04		
			diethylene triamine	111-40-0	1.21E-04		
			epichlorohydrin	106-89-8	2.73E-08		
			epoxy resin,	25068-38-6	5.46E-04		
			epichlorohydrin/bisphenol A				
			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			
Front lid	PBT plastic blend	5.58%	PBT	26062-94-2	0.753	antimony fire retardant	
			fiberglass	65997-17-3	0.348		
	Bushing insert	11.48%	antimony oxide	1309-64-4	0.058		
			Cu	7440-50-8	1.467		
Bushing Ni plating	0.02%	Zn	7440-66-6	0.842	Pb in copper alloy (E.U. RoHS exempt)		
		Pb	7439-92-1	0.076			
		Ni	7440-02-0	0.004			
Rear lid	PBT plastic blend	2.60%	PBT	26062-94-2	0.351	antimony fire retardant	
Slip ring	brass ring	1.19%	fiberglass	65997-17-3	0.162		
			antimony oxide	1309-64-4	0.027		
			Cu	7440-50-8	0.174		
			Zn	7440-66-6	0.074		
			Fe	7439-89-6	9.92E-05		
Cu plating	0.007%	Pb	7439-92-1	1.24E-04	Pb in copper alloy (E.U. RoHS exempt)		
		Ni	7440-02-0	0.003			
		Au	7440-57-5	0.006			
Slider block	PBT plastic blend	0.96%	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		
Contact spring	BeCu alloy	0.27%	Cu	7440-50-8	0.056	beryllium compound	
			Be	7440-41-7	0.001		
			Ni	7440-02-0	5.67E-05		
			Co	7440-48-4	5.67E-05		
			Cu	7440-50-8	3.07E-04		
Cu plating	0.0015%	Ni	7440-02-0	7.36E-04	Pd alloy		
		Ni plating	0.0035%	Ni		7440-02-0	7.36E-04
		Au plating	0.005%	Au		7440-57-5	0.001
Contact	Pd alloy	0.06%	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	3.5%	nylon 6,6	32131-17-2	0.511		
			fiberglass	65997-17-3	0.219		
Shaft	stainless steel	34.7%	Fe	7439-89-6	5.000		
			C	7440-44-0	0.007		
			Cr (0)	7440-47-3	1.371		
			Mn	7439-96-5	0.007		

			Mo	7439-98-7	0.036	
			P	7723-14-0	0.007	
			S	7704-34-9	0.029	
			Ni	7440-02-0	0.721	
			Si	7440-21-3	0.036	
	lubricant	0.001%	trade secret	n/a	2.00E-04	non-hazardous
Terminals	brass	0.36%	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	0.0046%	Cu	7440-50-8	9.47E-04	
	Au plating	0.003%	Au	7440-57-5	6.13E-04	
Internal ribbon	Ni alloy	0.0034%	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	
Lockwasher	spring steel	1.55%	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	5.8%	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	0.028%	Zn	7440-66-6	0.006	
Resistance coil	NiCr alloy	0.7%	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	10.4%	Cu	7440-50-8	2.163	
	insulation	0.55%	polyimide, aromatic	25038-81-7	0.114	
	lubricant	0.0017%	trade secret	n/a	3.50E-04	non-hazardous