


MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

Material Number	3545S-L			
Product Line	Precision Potentiometer			
Compliance Date	May 31, 2006			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material/ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Mandrel	Copper	1.13	Copper	7440-22-4	100	8.902	8.902
		Coating	0.000052	Polyamide		100	0.0004	0.0004
2	Resist Wire	Metal	0.5783	Nickel	7440-02-0	45	2.05	4.556
				Copper	7440-50-8	55	2.506	
3	Varnish	Varnish	0.15	Phenolic Resin		100	1.182	1.182
4	Terminal Cover	PPS	0.2228	Benzene, 1,4-dichloro-polymer with sodium sulfide	26125-40-6	28.4	0.499	1.755
				Carbon Black	1333-86-4	0.6	0.011	
				Glass	65997-17-3	35	0.614	
				Additives		1	0.018	
				Mineral Powder		35	0.614	
5	Terminal X 2	Nickel Silver	0.0375	Copper	7440-50-8	65	0.192	0.295
				Zinc	7440-66-6	17	0.05	
				Nickel	7440-02-0	18	0.053	
		Plating	0.00684	Gold	7440-57-5	100	0.054	0.054
		Inlay	0.0066	Silver	7440-22-4	56	0.029	0.052
				Copper	7440-50-8	22	0.011	
				Zinc	7440-66-6	17	0.009	
Tin	7440-31-5			5	0.003			

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6	Housing	PBT	2.654	Glass	65997-17-3	30	6.272	20.908
				Antimony Oxide	1309-64-4	3	0.627	
				Antimony Compounds	7440-36-0	3	0.627	
				Poly(butylene terephthalate)	30965-26-5	64	13.381	
7	Tab	Nickel	0.1924	Nickel	7440-02-0	100	1.516	1.516
		Inlay	0.01757	Silver	7440-22-4	56	0.078	0.138
				Copper	7440-50-8	22	0.031	
				Zinc	7440-66-6	17	0.024	
				Tin	7440-31-5	5	0.007	
8	Shaft	Brass	1.179	Copper	7440-50-8	61.5	5.712	9.288
				Lead	7439-92-1	3	0.279	
				Zinc	7440-66-6	35.5	3.297	
		Plating	0.10767	Nickel	7440-02-0	100	0.848	0.848
9	C Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.0001	0.071
				Manganese	7439-96-5	1	0.0007	
				Silicon	7440-21-3	1	0.0007	
				Chromium	7440-47-3	13	0.009	
				Iron	7439-98-7	84.85	0.06	
10	Lube	Grease	0.1	Polysiloxane		79	0.622	0.788
				Lithium Stearate	4485-12-5	20	0.158	
				Lithium Hydroxide	1310-65-2	1	0.008	
11	Bushing	Aluminum	1.142	Aluminum	7429-90-5	93.7	8.429	8.996
				Copper	7440-50-8	5.5	0.495	
				Bismuth	7440-69-9	0.4	0.036	
				Lead	7439-92-1	0.4	0.036	
	Plating	0.037	Nickel	7440-02-0	100	0.003	0.003	

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12	Rotor	PBT	1.325	Glass	65997-17-3	30	3.131	10.438
				Antimony Oxide	1309-64-4	3	0.313	
				Antimony Compounds	7440-36-0	3	0.313	
				Poly(butylene terephthalate)	30965-26-5	64	6.68	
13	Washer	Stainless Steel	0.025	Carbon	7440-44-0	0.15	0.0003	0.197
				Manganese	7439-96-5	2	0.004	
				Silicon	7740-21-3	1	0.002	
				Chromium	7740-47-3	18	0.036	
				Nickel	7440-02-0	9	0.018	
				Iron	7439-89-6	69.85	0.138	
14	Cover	PBT	0.7005	Glass	65997-17-3	30	1.656	5.518
				Antimony Oxide	1309-64-4	3	0.166	
				Antimony Compounds	7440-36-0	3	0.166	
				Poly(butylene terephthalate)	30965-26-5	64	3.532	
15	Lube	Grease	0.00815	Polysiloxane		100	0.064	0.064
16	Contact Spring	Palmet	0.0145	Copper	7440-50-8	16	0.018	0.114
				Nickel	7440-02-0	1	0.001	
				Palladium	7440-05-3	1	0.001	
				Platinum	7440-06-4	44	0.05	
				Silver	7440-22-4	38	0.043	
17	Slider X 2	PBT	0.386	Glass	65997-17-3	30	0.912	3.041
				Antimony Oxide	1309-64-4	3	0.091	
				Antimony Compounds	7440-36-0	3	0.091	
				Poly(butylene terephthalate)	30965-26-5	64	1.946	
18	Collector Bar	Nickel Silver	0.065	Copper	7440-50-8	55	0.282	0.512
				Zinc	7440-66-6	27	0.138	
				Nickel	7440-02-0	18	0.092	

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19	Strap	Nickel Silver	2.303	Copper	7440-50-8	65	11.793	18.143
				Nickel	7440-02-0	18	3.266	
				Zinc	7440-66-6	17	3.084	
20	Wiper Terminal	Brass	0.3	Copper	7440-50-8	70	1.654	2.363
				Zinc	7440-66-6	30	0.709	
		Plating	0.02739	Gold	7440-57-5	100	0.216	0.216
21	Epoxy	Epoxy	0.00563	Bisphenol A Diglycidyl Ether Resin	25068-38-6	49	0.022	0.044
				Silicon Dioxide	7440-21-3	17	0.008	
				Aluminum Silicate Hydroxide	1332-58-7	17	0.008	
				Antimony Trioxide	1309-64-4	17	0.008	
		Total weight	12.731					

This Document was updated on: January 17, 2007

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.