


MATERIAL DECLARATION SHEET



Material Number	3543S-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	0.676	Copper	7440-22-4	100	5.797	5.797
		Coating	3.11E-05	Polyamide		100	0.0003	0.0003
2	Resist Wire	Metal	0.125	Nickel	7440-02-0	45	0.482	1.072
				Copper	7440-50-8	55	0.589	
3	Varnish	Varnish	0.15	Phenolic Resin		100	1.286	1.286
4	Terminal Cover	PPS	0.2905	Benzene, 1,4-dichloro-polymer with sodium sulfide	26125-40-6	28.4	0.708	2.491
				Carbon Black	1333-86-4	0.6	0.015	
				Glass Fibers	65997-17-3	35	0.872	
				Additives		1	0.025	
				Mineral Powder		35	0.872	
5	Element Terminal X 2	Nickel Silver	0.0375	Copper	7440-50-8	65	0.209	0.322
				Zinc	7440-66-6	17	0.055	
				Nickel	7440-02-0	18	0.058	
		Plating	0.00684	Gold	7440-57-5	100	0.059	0.059
		Inlay	0.0066	Silver	7440-22-4	56	0.032	0.057
				Copper	7440-50-8	22	0.012	
				Zinc	7440-66-6	17	0.01	
Tin	7440-31-5			5	0.028			

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6	Housing	PBT	2.654	Glass	65997-17-3	30	6.828	22.759
				Antimony Oxide	1309-64-4	3	0.683	
				Antimony Compounds	7440-36-0	3	0.683	
				Poly(butylene terephthalate)	30965-26-5	64	14.566	
7	Tab	Nickel	0.1924	Nickel	7440-02-0	100	1.649	1.649
		Inlay	0.01757	Silver	7440-22-4	56	0.084	0.151
				Copper	7440-50-8	22	0.033	
				Zinc	7440-66-6	17	0.026	
				Tin	7440-31-5	5	0.008	
8	Shaft	Brass	1.179	Copper	7440-50-8	61.5	6.218	10.11
				Lead	7439-92-1	3	0.303	
				Zinc	7440-66-6	35.5	3.589	
		Plating	0.10767	Nickel	7440-02-0	100	0.923	0.923
9	C Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.0001	0.077
				Manganese	7439-96-5	1	0.0008	
				Silicon	7440-21-3	1	0.0008	
				Chromium	7440-47-3	13	0.01	
				Iron	7439-98-7	84.85	0.066	
10	Lube	Grease	0.1	Polysiloxane		79	0.677	0.858
				Lithium Stearate	4485-12-5	20	0.172	
				Lithium Hydroxide	1310-65-2	1	0.009	
11	Bushing	Aluminum	1.142	Aluminum	7429-90-5	93.7	9.176	9.793
				Copper	7440-50-8	5.5	0.539	
				Bismuth	7440-69-9	0.4	0.039	
				Lead	7439-92-1	0.4	0.039	
	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	3.409	11.362
				Antimony Oxide	1309-64-4	3	0.341	
				Antimony Compounds	7440-36-0	3	0.341	
				Poly(butylene terephthalate)	30965-26-5	64	7.272	
13	Washer	Stainless Steel	0.025	Carbon	7440-44-0	0.15	0.0003	0.214
				Manganese	7439-96-5	2	0.004	
				Silicon	7740-21-3	1	0.002	
				Chromium	7740-47-3	18	0.039	
				Nickel	7440-02-0	9	0.019	
				Iron	7439-89-6	69.85	0.149	
14	Cover	PBT	0.7005	Glass	65997-17-3	30	1.802	6.007
				Antimony Oxide	1309-64-4	3	0.18	
				Antimony Compounds	7440-36-0	3	0.18	
				Poly(butylene terephthalate)	30965-26-5	64	3.845	
15	Lube	Grease	0.00815	Polysiloxane		100	0.069	0.069
16	Contact Spring	Palmet	0.0145	Copper	7440-50-8	16	0.019	0.124
				Nickel	7440-02-0	1	0.001	
				Palladium	7440-05-3	1	0.001	
				Platinum	7440-06-4	44	0.055	
				Silver	7440-22-4	38	0.047	
17	Slider X 2	PBT	0.386	Glass	65997-17-3	30	0.497	1.655
				Antimony Oxide	1309-64-4	3	0.049	
				Antimony Compounds	7440-36-0	3	0.049	
				Poly(butylene terephthalate)	30965-26-5	64	1.059	
18	Collector Bar	Nickel Silver	0.065	Copper	7440-50-8	55	0.307	0.557
				Zinc	7440-66-6	27	0.151	
				Nickel	7440-02-0	18	0.1	

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19	Strap	Nickel Silver	2.303	Copper	7440-50-8	65	12.837	19.749
				Nickel	7440-02-0	18	3.555	
				Zinc	7440-66-6	17	3.357	
20	Wiper Terminal	Brass	0.3	Copper	7440-50-8	70	1.801	2.573
				Zinc	7440-66-6	30	0.772	
		Plating	0.02739	Gold	7440-57-5	100	0.235	0.235
21	Epoxy	Epoxy	0.00563	Bisphenol A Diglycidyl Ether Resin	25068-38-6	49	0.024	0.048
				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	11.698					

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.
2. Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.