


# MATERIAL DECLARATION SHEET



Material Number	3541H-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	Conductive Polymer	Ink	0.004	Unsaturated Polyester Resin and Phenol Formaldehyde Resin		66	0.019	0.029
				Blend of Allyl Resin & Diallyl		20	0.006	
				Carbon	7440-44-0	14	0.004	
2	Mandrel	Copper	2.252	Copper	7440-50-8	100	16.531	16.531
		Coating	0.000103	Polyamide		100	0.0008	0.0008
3	Resist Wire	Metal	0.6245	Nickel	7440-02-0	45	2.063	4.584
				Copper	7440-50-8	55	2.521	
4	Varnish	Varnish	0.15	Phenolic Resin		100	1.101	1.101
5	Terminal Cover	PBT	0.2905	Benzene, 1,4-dichloro-, polymer with sodium sulfide	26125-40-6	28.4	0.606	2.133
				Carbon Black	1333-86-4	0.6	0.013	
				Glass Fibers	65997-17-3	35	0.746	
				Additives		1	0.021	
				Mineral Powder		35	0.746	
6	Element Terminals X 2	Nickel Silver	0.075	Copper	7440-50-8	65	0.358	0.551
				Zinc	7440-66-6	17	0.094	
				Nickel	7440-02-0	18	0.099	
		Plating	0.00684	Gold	7440-57-5	100	0.05	0.05
				Silver	7440-22-4	56	0.027	0.048
		Inlay	0.0066	Copper	7440-50-8	22	0.011	
				Zinc	7440-66-6	17	0.008	
				Tin	7440-31-5	5	0.002	

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7	Housing	PBT	2.654	Glass	65997-17-3	30	5.845	19.482
				Antimony Oxide	1309-64-4	3	0.584	
				Antimony Compounds	7440-36-0	3	0.584	
				Poly(butylene terephthalate)	30965-26-5	64	12.469	
8	Shaft	Brass	1.179	Copper	7440-50-8	61.5	5.323	8.655
				Lead	7439-92-1	3	0.259	
				Zinc	7440-66-6	35.5	3.072	
		Plating		0.10767	Nickel	7440-02-0	100	0.79
9	C-Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.0001	0.066
				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	0.056	
10	Lube	Grease	0.1	Polysiloxane		79	0.579	0.734
				Lithium Stearate	4485-12-5	20	0.147	
				Lithium Hydroxide	1310-65-2	1	0.007	
11	Bushing	Aluminum	1.142	Aluminum	7429-90-5	93.7	7.855	8.383
				Copper	7440-50-8	5.5	0.461	
				Bismuth	7440-69-9	0.4	0.034	
				Lead	7439-92-1	0.4	0.034	
		Plating		0.037	Nickel	7440-02-0	100	0.003
12	Rotor	PBT	1.325	Glass	65997-17-3	30	0.034	9.726
				Antimony Oxide	1309-64-4	3	2.918	
				Antimony Compounds	7440-36-0	3	0.292	
				Poly(butylene terephthalate)	30965-26-5	64	0.292	

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13	Washer	Stainless Steel	0.082	Iron	7439-89-6	55	6.225	0.602
				Carbon	7440-44-0	15	0.331	
				Chromium	7440-47-3	18	0.09	
				Manganese	7439-96-3	2	0.108	
				Nickel	7440-02-0	9	0.012	
				Silicon	7440-21-3	1	0.054	
14	Cover	PBT	0.7005	Glass	65997-17-3	30	0.006	5.142
				Antimony Oxide	1309-64-4	3	1.543	
				Antimony Compounds	7440-36-0	3	0.154	
				Poly(butylene terephthalate)	30965-26-5	64	3.291	
15	Lube	Grease	0.00815	Polysiloxane		100	0.059	0.059
16	Epoxy	Epoxy	0.00563	Bisphenol A Diglycidyl Ether Resin	25068-38-6	49	0.02	0.041
				Silicon dioxide	7440-21-3	17	0.007	
				Aluminum Silicate Hydroxide	1332-58-7	17	0.007	
				Antimony Trioxide	1309-64-4	17	0.007	
17	Slider	PBT	0.193	Glass	65997-17-3	30	0.425	1.417
				Antimony Oxide	1309-64-4	3	0.043	
				Antimony Compounds	7440-36-0	3	0.043	
				Poly(butylene terephthalate)	30965-26-5	64	0.907	
18	Contact Spring	Palmet	0.006	Palladium	7440-05-3	35	0.015	0.044
				Silver	7440-22-4	30	0.013	
				Copper	7440-50-8	14	0.006	
				Gold	7440-57-5	10	0.004	
				Platinum	7440-06-4	10	0.004	
19	Collector Bar	Nickel Silver	0.065	Copper	7440-50-8	55	0.262	0.477
				Zinc	7440-66-6	27	0.129	
				Nickel	7440-02-0	18	0.086	
		Plating		0.0059	Gold	7440-57-5	100	0.043

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20	Strap	Nickel Silver	2.303	Copper	7440-50-8	65	10.989	16.906
				Nickel	7440-02-0	18	3.043	
				Zinc	7440-66-6	17	2.874	
21	Wiper Terminals	Brass	0.3	Copper	7440-50-8	69.7	1.535	2.202
				Zinc	7440-66-6	30	0.661	
				Lead	7439-92-1	0.3	0.007	
		Plating	0.02739	Gold	7440-57-5	100	0.201	0.201
		Total weight	13.657					

**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.