


MATERIAL DECLARATION SHEET



Material Number	3590S-1-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	Lube	Grease	0.008	Polysiloxane	63148-62-9	100	0.037	0.037
2	Mandrel	Copper	1.006	Copper	7440-22-4	100	4.635	4.635
		Coating	0.001	Polyamide	6342-83-1	100	0.0003	0.0003
3	Resist Wire	Metal	0.279	Nickel	7440-02-0	46	0.591	1.285
				Chromium	7440-47-3	0.1	0.001	
				Manganese	7439-96-5	0.8	0.010	
				Silicon	7440-21-3	0.3	0.004	
				Carbon	7440-44-0	0.05	0.0006	
				Phosphorus	7723-14-0	0.025	0.0003	
				Sulfur	7704-34-9	0.025	0.0003	
				Iron	7439-98-7	52.7	0.677	
4	Varnish	Polyester Phenolic Resin	0.109	Unsaturated Polyester Resin and Phenol-formaldehyde Resin	68604-67-1	100	0.504	0.504
5	Housing	PBT	3.15	Glass	65997-17-3	30	4.236	14.118
				Antimony Oxide	1309-64-4	3	0.423	
				Antimony Compounds	7440-36-0	3	0.423	
				Poly(butylene terephthalate)	30965-26-5	64	9.036	

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6	Terminal X 2	Copper	0.121	Copper	7440-50-8	97.4	0.541	0.555
				Zinc	7440-66-6	0.1	0.0006	
				Phosphorus	7723-14-0	0.03	0.0002	
				Iron	7439-98-7	2.4	0.013	
		Under Plating	0.002	Copper	7440-22-4	100	0.011	0.011
		Finish Plating	0.006	Tin	7440-31-5	100	0.028	0.028
		Inlay	0.001	Silver	7440-22-4	56	0.003	0.006
				Copper	7440-50-8	22	0.001	
Zinc	7440-66-6			17	0.0009			
Tin	7440-31-5			5	0.0003			
7	Cover	PBT	1.388	Glass	65997-17-3	30	1.919	6.398
				Antimony Oxide	1309-64-4	3	0.192	
				Antimony Compounds	7440-36-0	3	0.192	
				Poly(butylene terephthalate)	30965-26-5	64	4.095	
8	Lube	Grease	0.008	Fluorosilicone	63148-58-1	100	0.037	0.037
9	Lube	Grease	0.008	Chlorophenylmethyl Silicone	63147-52-7	100	0.037	0.037
10	Lid	PBT	1.844	Glass	65997-17-3	30	1.536	
				Antimony Oxide	1309-64-4	3	0.153	
				Antimony Compounds	7440-36-0	3	0.153	
				Poly(butylene terephthalate)	30965-26-5	64	3.278	
11	Rotor/Shaft	PBT	2.234	Glass	65997-17-3	30	1.536	5.122
				Antimony Oxide	1309-64-4	3	0.153	
				Antimony Compounds	7440-36-0	3	0.153	
				Poly(butylene terephthalate)	30965-26-5	64	3.278	
12	Slider Molded	Nylon	0.11	Nylon	32131-17-2	60	0.304	0.507
				Glass	65997-17-3	30	0.152	
				Polytetrafluorethylene	9002-84-0	10	0.051	
13	Contact Spring	Pamlet	0.008	Copper	7440-50-8	16	0.005	0.035

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				Nickel	7440-02-0	1	0.0003	
				Palladium	7440-05-3	1	0.0003	
				Platinum	7440-06-4	44	0.015	
				Silver	7440-22-4	38	0.013	
14	Collector Bar	Beryllium Copper	0.027	Copper	7440-50-8	98.1	0.124	0.127
				Silicon	7440-21-3	0.2	0.0002	
				Beryllium	7440-41-7	1.5	0.002	
				Aluminum	7429-90-5	0.2	0.0002	
		Under Plating	0.004	Nickel	7440-02-0	100	0.018	0.018
Finish Plating	0.004	Gold	7440-57-5	100	0.018	0.018		
15	Wiper Terminal	Brass	1.95	Copper	7440-50-8	94.8	8.518	8.985
				Tin	7440-31-5	5	0.449	
				Phosphorus	7723-14-0	0.2	0.018	
		Under Plating	0.001	Nickel	7440-02-0	100	0.003	0.003
		Finish Plating	0.002	Gold	7440-57-5	100	0.008	0.008
16	Teflon Washer 1	PTFE	0.002	Polytetrafluoroethylene	9002-84-0	15	0.002	0.011
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.010	
17	Teflon Washer 2	PTFE	0.008	Polytetrafluoroethylene	9002-84-0	15	0.006	0.038
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.032	
18	Epoxy 1	Epoxy	0.128	Bisphenol A Diglycidyl Ether Resin	25068-38-6	50	0.294	0.588
				Silicon Dioxide	7440-21-3	37	0.217	
				Aluminum Silicate Hydroxide	1332-58-7	9	0.053	
				Proprietary Ingredients		4	0.023	
19	Epoxy 2	Epoxy	0.072	Bisphenol A Diglycidyl Ether Resin	25068-38-6	49	0.164	0.334
				Silicon Dioxide	7440-21-3	17	0.057	

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				Aluminum Silicate Hydroxide	1332-58-7	17	0.057	
				Antimony Trioxide	1309-64-4	17	0.057	
		Total weight	12.481					

This Document was updated on: July 28, 2009

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.