


MATERIAL DECLARATION SHEET



Material Number	3590S-3-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	Material s Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Lube	Grease	0.008	Polysiloxane		100	0.0636	0.0636
2	Mandrel	Copper	1.006	Copper	7440-50-8	100	8.0062	8.0062
		Coating	0.00064	Polyamide	6342-83-1	100	0.0050	0.0050
3	Resist Wire	Alloy	0.2789	Nickel	7440-02-0	46	1.02103031	2.2196
				Chromium	7440-47-3	0.1	0.00221963	
				Manganese	7439-96-5	0.8	0.01775705	
				Silicon	7440-21-3	0.3	0.00665889	
				Carbon	7440-44-0	0.05	0.00110982	
				Phosphorus	7723-14-0	0.025	0.00055491	
				Sulfur	7704-34-9	0.025	0.00055491	
Iron	7439-89-6	52.7	1.16974559					
4	Varnish	Polyester Phenolic Resin	0.1093	Unsaturated Polyester Resin and Phenol-formaldehyde Resin		100	0.86986619	0.8698
5	Housing	PBT	3.15	Glass	65997-17-3	30	7.52080098	25.0693
				Antimony Oxide	1309-64-4	3	0.75208010	
				Antimony Compounds	7440-36-0	3	0.75208010	
				Poly butylene terephthalate	30965-26-5	64	16.04437543	

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6	Terminal X 2	Copper	0.1206	Copper	7440-50-8	97.4	0.93484272	0.9597
				Zinc	7440-66-6	0.1	0.00095980	
				Phosphorus	7723-14-0	0.03	0.00028794	
				Iron	7439-89-6	2.4	0.02303514	
		Under Plating	0.0024	Copper	7440-50-8	100	0.01910045	0.0191
		Finish Plating	0.00606	Matte Tin	7440-31-5	100	0.04822863	0.0482
		Inlay	0.00126	Silver	7440-22-4	56	0.00561553	0.0100
				Copper	7440-50-8	22	0.00220610	
Zinc	7440-66-6			17	0.00170471			
Tin	7440-31-5			5	0.00050139			
7	Cover	PBT	1.3885	Glass	65997-17-3	30	3.31512132	11.0504
				Antimony Oxide	1309-64-4	3	0.33151213	
				Antimony Compounds	7440-36-0	3	0.33151213	
				Poly butylene terephthalate	30965-26-5	64	7.07225882	
8	Lube	Grease	0.008	Fluorosilicone	63148-58-1	100	0.06366816	0.0636
9	Lube	Grease	0.008	Chlorophenylmethyl Silicone		100	0.06366816	0.0636
10	Lid	PBT	1.844	Glass	65997-17-3	30	4.40265302	14.6755
				Antimony Oxide	1309-64-4	3	0.44026530	
				Antimony Compounds	7440-36-0	3	0.44026530	
				Poly butylene terephthalate	30965-26-5	64	9.39232644	
11	Rotor / Shaft	PBT	2.234	Glass	65997-17-3	30	5.33379981	17.7793
				Antimony Oxide	1309-64-4	3	0.53337998	
				Antimony Compounds	7440-36-0	3	0.53337998	
				Poly butylene terephthalate	30965-26-5	64	11.37877293	
12	Slider Molded	Nylon	0.11	Nylon	32131-17-2	60	0.52526229	0.8754
				Glass Fibers	65997-17-3	30	0.26263115	
				Polytetrafluorethylene	9002-84-0	10	0.08754372	
13	Contact Spring	Pamlet	0.0077	Copper	7440-50-8	16	0.00980490	0.0612

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				Nickel	7440-02-0	1	0.00061281	
				Palladium	7440-05-3	1	0.00061281	
				Platinum	7440-06-4	44	0.02696346	
				Silver	7440-22-4	38	0.02328663	
14	Collector Bar	Copper	0.0275	Copper	7440-50-8	98.1	0.21470096	0.2188
				Silicon	7440-21-3	0.2	0.00043772	
				Beryllium	7440-41-7	1.5	0.00328289	
				Aluminum	7429-90-5	0.2	0.00043772	
		Under Plating	0.004	Nickel	7440-02-0	100	0.03183408	0.0318
		Finish Plating	0.004	Gold	7440-57-5	100	0.03183408	0.0318
15	Wiper Terminal	Brass	1.95	Copper	7440-50-8	94.8	14.71211926	15.5191
				Tin	7440-31-5	5	0.77595566	
				Phosphorus	7723-14-0	0.2	0.03103823	
		Under Plating	0.000747	Nickel	7440-02-0	100	0.00594501	0.0059
Finish Plating	0.001645	Gold	7440-57-5	100	0.01309176	0.0130		
16	Teflon Washer	PTFE	0.0025	Polytetrafluoroethylene	9002-84-0	15	0.00298444	0.0198
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.01691185	
17	Teflon Washer	PTFE	0.0082	Polytetrafluoroethylene	9002-84-0	15	0.00978898	0.0652
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.05547088	
18	O-Ring	Silicone	0.0093	Silicone Rubber	*****	100	0.07401423	0.0740
19	O-Ring X-2	Silicone	0.0738	Silicone Rubber	*****	100	0.58733874	0.5873
20	Epoxy	Epoxy	0.1276	Bisphenol A Diglycidyl Ether Resin	25068-38-6	50	0.50775355	1.0155
				Silicon Dioxide	7440-21-3	37	0.37573763	
				Aluminum Silicate Hydroxide	1332-58-7	9	0.09139564	
				Proprietary Ingredients		4	0.02307971	
21	Epoxy	Epoxy	0.0725	Bisphenol A Diglycidyl	25068-38-6	49	0.28272641	0.5769
				Silicon Dioxide	7440-21-3	17	0.09808875	

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				Aluminum Silicate Hydroxide	1332-58-7	17	.09808875	
				Antimony Trioxide	1309-64-4	17	.09808875	
		Total weight	12.565					

This Document was updated on: Sep 29, 2008

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.