


# MATERIAL DECLARATION SHEET



Material Number	3547S			
Product Line	Precision Potentiometer			
Compliance Date	January 31, 2007			
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	Wiper Terminal	Brass	0.264	Copper	7440-50-8	70	0.95	1.364
				Zinc	7440-66-6	30	0.409	
		Under Plating	0.012	Nickel	7440-02-0	100	0.062	0.062
		Finish Plating	0.0026	Gold	7440-57-5	100	0.013	0.013
2	Cover	Nylon	0.972	Nylon	32131-17-2	45	2.261	5.023
				Glass	65997-17-3	40	2.009	
				PTFE		13	0.653	
				Silicon	7440-21-3	2	0.101	
3	Slider	Nylon	0.238	Nylon	32131-17-2	45	0.554	1.23
				Glass	65997-17-3	40	0.492	
				PTFE		13	0.159	
				Silicon	7440-21-3	2	0.025	
4	Contact Spring	Palmet	0.013	Copper	7440-50-8	16	0.011	0.067
				Nickel	7440-02-0	1	0.001	
				Palladium	7440-05-3	1	0.001	
				Platinum	7440-22-4	44	0.029	
				Silver	7440-22-4	38	0.026	

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5	Housing	PBT	3.108	Glass	65997-17-3	30	4.819	16.062
				Antimony Oxide	1309-64-4	3	0.482	
				Antimony Compound	7440-36-0	3	0.482	
				Carbon Black	1333-86-4	1	0.161	
				Tetrahydrofuran	109-99-9	1	0.161	
				Poly(butylene terephthalate)	30965-26-5	62	9.959	
6	Mandrel Wire	Copper	0.679	Copper	7440-50-8	100	3.509	3.509
		Coating	0.0000312	Polyamide		100	0.0002	0.0002
7	Resistive Wire	Metal	0.1568	Nickel	7440-02-0	45	0.365	0.81
				Copper	7440-50-8	55	0.446	
8	Element Epoxy	Epoxy	0.0005	resin(epoxy resin and cresyl glycidyl ether) + Catalyst (Polyamide system)		61	0.002	0.003
				pigment(Phthalocyanine in Bisphenol A and TiO2)		3	0.0001	
				fillers(Antimony Oxide + Hydrated Alumina + Magnesium Aluminum Silicate + Alumimum silicate)		36	0.0009	
9	Terminal Cover	PPS	0.237	Polyphenylene Sulfide	9016-75-5	58	0.71	1.225
				Glass	65997-17-3	42	0.514	
10	T.R. Terminal X 2	Nickel Silver	0.082	Copper	7440-50-8	65	0.276	0.424
				Zinc	7440-66-6	17	0.072	
				Nickel	7440-02-0	18	0.076	
		Solder Inlay	0.00005	Silver	7440-22-4	56	0.0001	0.0003
				Copper	7440-50-8	22	0.00006	
				Zinc	7440-66-6	17	0.00004	
				Tin	7440-31-5	5	0.00001	
		Plating	0.00037	Gold	7440-57-5	100	0.002	0.002

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11	Element, Terminal, and Collector Bar Lube	Lube	0.005	Decanoic acid, mixed esters with heptanoic acid, octanoic acid	68130-53-0	54.4	0.014	0.026
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.001	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.009	
				Polyisobutylene	9003-27-4	6.2	0.002	
12	Tab	Nickel	0.1924	Nickel	7440-02-0	100	0.994	0.994
		Inlay	0.01757	Silver	7440-22-4	56	0.051	0.091
				Copper	7440-50-8	22	0.019	
				Zinc	7440-66-6	17	0.015	
				Tin	7440-31-5	5	0.004	
13	Rotor	Nylon	1.372	Nylon	32131-17-2	45	3.191	7.091
				Glass	65997-17-3	40	2.836	
				PTFE		13	0.922	
				Silicon	7440-21-3	2	0.142	
14	Shaft	Brass	7.693	Copper	7440-50-8	61.5	24.451	39.758
				Zinc	7440-66-6	35.5	14.114	
				Lead	7439-92-1	3	1.193	
		Plating	0.0293	Nickel	7440-02-0	100	0.151	0.151
		15	Washer X 2	Stainless Steel	0.05	Carbon	7440-44-0	0.15
Manganese	7439-96-5					2	0.005	
Silicon	7440-21-3					1	0.003	
Chromium	7440-47-3					18	0.047	
Nickel	7440-02-0					9	0.023	
Iron	7439-89-6					69.85	0.181	
16	C-Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.0001	0.047
				Manganese	7439-96-5	1	0.0005	
				Silicon	7440-21-3	1	0.0005	
				Chromium	7440-47-3	13	0.006	
				Iron	7439-98-7	84.85	0.039	

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17	Lid	PBT	0.827	Glass	65997-17-3	30	1.282	4.274
				Antimony Oxide	1309-64-4	3	0.128	
				Antimony Compound	7440-36-0	3	0.128	
				Carbon Black	1333-86-4	1	0.043	
				Tetrahydrofuran	109-99-9	1	0.043	
				Poly(butylene terephthalate)	30965-26-5	62	2.649	
18	Bushing	Brass	3.309	Copper	7440-50-8	61.5	10.517	17.101
				Zinc	7440-66-6	35.5	6.071	
				Lead	7439-92-1	3	0.513	
19	Bushing Lube	Lube	0.005	Siloxanes and Silicones, di-Me, di-Ph	68083-14-7	68.947	0.018	0.026
				Lithium Stearate	4485-12-5	25.368	0.007	
				Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	4.789	0.001	
				Diphenylamine	122-39-4	0.895	0.0002	
20	Collector Bar	Nickel Silver	0.074	Nickel	7440-44-0	18	0.069	0.382
				Copper	7440-50-8	55	0.21	
				Zinc	7440-66-6	27	0.103	
		Plating	0.0009	Gold	7440-57-5	100	0.005	0.005
		Total weight	19.349					

**This Document was updated on:** January 30, 2007

**Important remarks:**

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