


MATERIAL DECLARATION SHEET



Material Number	3549H			
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	0.864	1.234
				Zinc	7440-66-6	30	0.37	
		Under Plating	0.012	Nickel	7440-02-0	100	0.056	0.056
		Finish Plating	0.0026	Gold	7440-57-5	100	0.012	0.012
2	Cover	Nylon	0.972	Nylon	32131-17-2	45	2.045	4.544
				Glass	65997-17-3	40	1.817	
				PTFE		13	0.59	
				Silicon	7440-21-3	2	0.091	
3	Slider	Nylon	0.238	Nylon	32131-17-2	45	0.501	1.113
				Glass	65997-17-3	40	0.445	
				PTFE		13	0.145	
				Silicon	7440-21-3	2	0.022	
4	Contact Spring	Palmet	0.013	Palladium	7440-05-3	35	0.021	0.061
				Silver	7440-22-4	30	0.018	
				Copper	7440-50-8	14	0.009	
				Gold	7440-57-5	10	0.006	
				Platinum	7440-06-4	10	0.006	
				Zinc (metal)	7440-66-6	1	0.0006	

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5	Housing	PBT	3.108	Glass	65997-17-3	30	4.358	14.528
				Antimony Oxide	1309-64-4	3	0.436	
				Antimony Compound	7440-36-0	3	0.436	
				Carbon Black	1333-86-4	1	0.145	
				Tetrahydrofuran	109-99-9	1	0.145	
				Poly(butylene terephthalate)	30965-26-5	62	9.007	
6	Mandrel Wire	Copper	2.252	Copper	7440-50-8	100	10.527	10.527
		Coating	0.000103	Polyamide		100	0.0005	0.0005
7	Resistive Wire	Metal	0.6246	Nickel	7440-02-0	45	1.314	2.919
				Copper	7440-50-8	55	1.606	
8	Resistive	Ink	0.003	Phenolic Resin		67	0.009	0.014
				DAIP resin	1087-21-4	6	0.0009	
				Carbon Black	1333-86-4	7	0.001	
				BaSO4	7727-43-7	16	0.002	
				Graphite	7782-42-5	4	0.0006	
9	Element Epoxy	Epoxy	0.00005	resin(epoxy resin and cresyl glycidyl ether) + Catalyst(Polyamide system)		61	0.001	0.002
				pigment(Phthalocyanine in Bisphenol A and TiO2)		3	0.0001	
				fillers(Antimony Oxide + Hydrated Alumina + Magnesium Aluminum Silicate + Aluminum silicate)		36	0.0008	
10	Terminal Cover	PPS	0.237	Polyphenylene Sulfide	9016-75-5	58	0.643	1.108
				Glass	65997-17-3	42	0.465	
11	T.R. Terminal X 2	Nickel Silver	0.082	Copper	7440-50-8	65	0.249	0.383
				Zinc	7440-66-6	17	0.065	
				Nickel	7440-02-0	18	0.069	
				Silver	7440-22-4	56	0.0001	
		Solder Inlay	0.0005	Copper	7440-50-8	22	0.00005	0.0002
				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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12	Element, Terminal, and Collector Bar Lube	Lube	0.005	Decanoic acid, mixed esters with heptanoic acid, octanoic acid	68130-53-0	54.4	0.013	0.023
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.001	
				Isohexadecyl- isooctadecanoate	52006-45-8	33.7	0.008	
				Polyisobutylene	9003-27-4	6.2	0.001	
13	Rotor	Nylon	1.372	Nylon	32131-17-2	45	2.915	6.447
				Glass	65997-17-3	40	2.591	
				PTFE		13	0.842	
				Silicon	7440-21-3	2	0.129	
14	Shaft	Brass	7.575	Copper	7440-50-8	61.5	22.115	35.959
				Zinc	7440-66-6	35.5	12.766	
				Lead	7439-92-1	3	1.079	
		Plating	0.0293	Nickel	7440-02-0	100	0.139	0.139
15	Washer X 2	Stainless Steel	0.05	Carbon	7440-44-0	0.15	0.0004	0.237
				Manganese	7439-96-5	2	0.005	
				Silicon	7440-21-3	1	0.002	
				Chromium	7440-47-3	18	0.042	
				Nickel	7440-02-0	9	0.021	
				Iron	7439-89-6	69.85	0.166	
16	C-Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.0001	0.043
				Manganese	7439-96-5	1	0.0004	
				Silicon	7440-21-3	1	0.0004	
				Chromium	7440-47-3	13	0.006	
				Iron	7439-98-7	84.85	0.036	
17	Lid	PBT	0.827	Glass	65997-17-3	30	1.178	3.926
				Antimony Oxide	1309-64-4	3	0.118	
				Antimony Compound	7440-36-0	3	0.118	
				Carbon Black	1333-86-4	1	0.039	
				Tetrahydrofuran	109-99-9	1	0.039	
				Poly(butylene terephthalate)	30965-26-5	62	2.434	

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18	Bushing	Brass	3.309	Copper	7440-50-8	61.5	9.661	15.708
				Zinc	7440-66-6	35.5	5.576	
				Lead	7439-92-1	3	0.471	
19	Bushing Lube	Lube	0.005	Siloxanes and Silicones, di-Me, di-Ph	68083-14-7	68.947	0.016	0.024
				Lithium Stearate	4485-12-5	25.368	0.006	
				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	0.063	0.351
				Copper	7440-50-8	55	0.193	
				Zinc	7440-66-6	27	0.095	
		Plating	0.0009	Gold	7440-57-5	100	0.004	0.004
		Total weight	21.183					

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