


MATERIAL DECLARATION SHEET



Material Number	3590S-6-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			Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substance	CASRN	Material Mass %		
1	Hex Nut	Brass	0.0082	Copper	7440-50-8	62	0.0235	0.04
				Zinc	7440-66-6	35.05	0.0133	
				Iron	7439-89-6	0.35	0.0001	
				Lead	7439-92-1	2.6	0.0010	
2	Lock Washer	NICKEL PLATED SPRING STEEL	0.0025	Carbon	7440-44-0	0.47	0.000054	0.01
				Silicon	7440-21-3	0.17	0.000020	
				Manganese	7439-96-5	0.5	0.000058	
				Phosphorus	7723-14-0	0.035	0.000004	
				Sulfur	7704-34-9	0.035	0.000004	
				Chromium	7440-47-3	0.25	0.000005	
				Nickel	7440-02-0	0.25	0.000029	
				Copper	7440-50-8	0.25	0.000029	
				Iron	7439-89-6	98.04	0.011337	
				Nickel Plating	7440-02-0	100	0.01156	

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3	Housing	PBT	4.064	PBT	30965-26-5	55	10.3391	18.80
				Glass fiber	65997-17-3	30	5.6395	
				Antimony trioxide	1309-64-4	4	0.7519	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	2.0678	
4	Mandrel Wire	Copper Wire	1.0060639	Silver	7440-22-4	0.001324	0.000062	4.65
				Arsenic	7440-38-2	0.000265	0.000012	
				Bismuth	7440-69-9	0.000053	0.000002	
				Copper	7440-50-8	99.952972	4.651421	
				Iron	7439-89-6	0.00053	0.000025	
				Nickel	7440-02-0	0.00053	0.000025	
				Oxygen	7782-44-7	0.039134	0.001821	
				Lead	7439-92-1	0.000265	0.000012	
				Sulfur	7704-34-9	0.000795	0.000037	
				Antimony	7440-36-0	0.000212	0.000010	
				Selenium	7782-49-2	0.000106	0.000005	
				Tin	7440-31-5	0.000265	0.000012	
				Tellurium	13494-80-9	0.000106	0.000005	
		Misc., not to declare	-	0.003443	0.000160			
		Polyimide coated	Polyimide	60842-76-4	99	4.607074		
		Misc., not to declare	-	1	0.046536			
		5	Wire Resistance	Nickel Alloy	0.2789	Nickel	7440-02-0	75
Chromium	7440-47-3					20	0.2580	
Aluminum	7429-90-5					1	0.0129	
Silicon	7440-21-3					1	0.0129	
Copper	7440-50-8					1	0.0129	
Cobalt	7440-48-4					1	0.0129	
Manganese	7439-96-5					1	0.0129	

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6	Varnish	Varnish	0.1093	Phenolic Resin	9003-35-4	100	0.5056	0.51
7	UV Epoxy	UV Epoxy	0.0725	Epoxy resin	2386-87-0	65	0.2180	0.34
				Caprolacton, trimethylpropan polymer	37625-56-2	20	0.0671	
				Aluminum trioxide	1344-28-1	10	0.0335	
				Hydrophobic pyrogenic silica	112945-52-5	3.5	0.0117	
				Propylene carbonate	108-32-7	1.5	0.0050	
8	Lube	Lube	0.008	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.4	0.0201	0.04
				Lithium 12-hydroxystearate	7620-77-1	6	0.0021	
				Isohexadecyl-isoctadecanoate	52006-45-8	34	0.0125	
				Polyisobutylene	9003-27-4	5	0.0019	
9	Lid	Grey PBT	4.0086841	PBT	30965-26-5	55	10.1983	18.54
				Glass fiber	65997-17-3	30	5.5627	
				Antimony trioxide	1309-64-4	3.5	0.6490	
				Carbon black	1333-86-4	0.5	0.0927	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	2.0397	
10	Bushing	Aluminum	1.1378	Aluminum	7429-90-5	96.910	5.1003	5.26
				Silicon	7440-21-3	0.400	0.0211	
				Iron	7439-89-6	0.700	0.0368	
				Copper	7440-50-8	0.150	0.0079	
				Manganese	7439-96-5	0.150	0.0079	
				Magnesium	7439-95-4	1.200	0.0632	
				Chromium	7440-47-3	0.040	0.0021	
				Zinc	7440-66-6	0.250	0.0132	
				Titanium	7440-32-6	0.150	0.0079	
				Other, not to declare	-	0.050	0.0026	

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11	Shaft	Brass	6.7928	Copper	7440-50-8	62	19.4807	31.42
				Zinc	7440-66-6	35.05	11.0129	
				Iron	7439-89-6	0.35	0.1100	
				Lead	7439-92-1	2.6	0.8169	
				Nickel Plated	7440-02-0	100	31.4205	
12	Rotor	Nylon	1.1115	PA66	32131-17-2	40	2.0565	5.14
				PA66	25038-54-4	3	0.1542	
				PTFE	9002-84-0	13	0.6684	
				Glass fiber	65997-17-3	40	2.0565	
				Silicon	7440-21-3	2	0.1028	
				Carbon black	1333-86-4	2	0.1028	
13	Collector Bar gold plated	Gold plated Beryllium Copper	0.0275	Beryllium	7440-41-7	2	0.0024	0.16
				Copper	7440-50-8	97	0.1240	
				Cobalt	7440-48-4	0.2	0.0003	
				Nickel	7440-02-0	0.1	0.0001	
				Iron	7439-89-6	0.1	0.0001	
				Lead	7439-92-1	0.02	0.000025	
			0.004	Nickel underplate	7440-02-0	0.1	0.000019	
0.004	Gold plated	7440-57-5	0.1	0.000019				
14	Slider	Nylon	0.11	PA 66	32131-17-2	60	0.3053	0.51
				Glass fiber	65997-17-3	30	0.1526	
				Tetrafluoroethylene polymer	9002-84-0	8	0.0407	
15	Contact Spring	PAL 6	0.004	Palladium	7440-05-3	44	0.0081	0.02
				Silver	7440-22-4	38	0.0070	
				Copper	7440-50-8	16	0.0030	
				Platinum	7440-05-3	1	0.0002	
				Nickel	7440-02-0	1	0.0002	

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16	Lube	Lube	0.008	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	59	0.0218	0.04
				1-Propene, polymer with ethene	9010-79-1	31	0.0114	
				Silica, amorphous fumed	112945-52-5	5.4	0.0020	
				Ethene, tetrafluoro-, homopolymer	9002-84-0	5	0.0019	
17	Cover	PBT	2.3885	PBT	30965-26-5	55	6.0765	11.05
				Glass fiber	65997-17-3	30	3.3144	
				Antimony trioxide	1309-64-4	4	0.4419	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11	1.2153	
18	Terminal Wiper	gold plated Bronze	0.195	Copper	7440-50-8	95	0.8567	0.91
				Tin	7440-31-5	5	0.0406	
				Lead	7439-92-1	0.05	0.0005	
				Zinc	7440-66-6	0.30	0.0027	
				Iron	7439-89-6	0.10	0.0009	
				Phosphorus	7723-14-0	0.07	0.0006	
			0.000747	Nickel underplate	7440-02-0	100	0.0035	
			0.001645	Gold plated	7440-57-5	100	0.0076	
19	Terminal TR	Brass	0.1206	Copper	7440-50-8	97.62	0.5446	0.60
				Iron	7439-89-6	2.35	0.0131	
				Phosphorus	7723-14-0	0.03	0.0002	
		Inlay	0.00126	Copper	7440-50-8	23	0.1283	
				Silver	7440-22-4	57	0.3180	
				Tin	7440-31-5	4.86	0.0271	
				Zinc	7440-66-6	15	0.0837	

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				other	trade secret	0.14	0.0008	
		Copper strike	0.00246	Copper strike	7440-50-8	100	0.0114	
		Matte Tin	0.00606	Matte Tin	7440-31-5	100	0.0280	
20	Retaining Ring	Stainless Steel PH 15-7 MO	0.01738	Carbon	7440-44-0	0.09	0.0001	0.08
				Manganese	7439-96-5	1.00	0.0008	
				Phosphorus	7723-14-0	0.04	0.0000	
				Sulfur	7704-34-9	0.04	0.0000	
				Silicon	7440-21-3	1.00	0.0008	
				Chromium	7440-47-3	14	0.0113	
				Nickel	7440-02-0	7	0.0052	
				Molybdenum	7439-98-7	2	0.0016	
				Aluminum	7429-90-5	1	0.0006	
				Iron	7439-89-6	75	0.0600	
21	Epoxy	Epoxy	0.1276	Epoxy resin	25068-38-6	64	0.3777	0.59
				Antimony trioxide	1309-64-4	11	0.0649	
				Aluminum oxide	1344-28-1	10	0.0590	
				Kaolin clay	1332-58-7	6	0.0354	
				Magnesium alumino silicate	1302-88-1	9	0.0531	
		Total Weight	21.619					

This Document was updated on: March 14, 2016

Important remarks:

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