


MATERIAL DECLARATION SHEET



Material Number	3548S-1AC			
Product Line	Precision Potentiometer			
Compliance Date	January 31, 2007			
RoHS Compliant	Yes	MSL	N/A	

A = Brass Bushing/Brass shaft

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	0.9481	1.3545
				Zinc	7440-66-6	30	0.4064	
		Under plating	0.012	Nickel	7440-02-0	100	0.0616	0.0616
		Finish plating	0.0026	Gold	7440-57-5	100	0.0133	0.0133
2	Rear Cover	Nylon	0.972	Polyamide 66 + Polyamide 6	32131-17-2 25038-54-4	43	2.1445	4.9871
				Tetrafluoroethylene polymer	9002-84-0	13	0.6483	
				Glass fiber	65997-17-3	40	1.9949	
				Silicon	7440-21-3	2	0.0997	
				Carbon black	1333-86-4	2	0.0997	
3	Slider	Nylon	0.238	Polyamide 66 + Polyamide 6	32131-17-2 25038-54-4	43	0.5251	1.2211
				Tetrafluoroethylene polymer	9002-84-0	13	0.1587	
				Glass fiber	65997-17-3	40	0.4885	
				Silicon	7440-21-3	2	0.0244	
				Carbon black	1333-86-4	2	0.0244	
4	Contact spring	Palmet	0.013	Copper	7440-50-8	16	0.0107	0.0667
				Nickel	7440-02-0	1	0.0007	
				Palladium	7440-05-3	1	0.0007	
				Platinum	7440-06-4	44	0.0293	
				Silver	7440-22-4	38	0.0253	

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5	Housing	PBT	3.108	Polybutylene terephthalate	30965-26-5	54	8.6110	15.9463
				Glass fiber	65997-17-3	30	4.7839	
				Brominated flame retardant (TBBPA Polycarbonate polymer)	Trade secret	11	1.7541	
				Antimony trioxide	1309-64-4	4	0.6378	
				Carbon black	1333-86-4	1	0.1595	
6	Mandrel Wire	Copper	1.13	Copper	7440-50-8	100	5.7977	5.7977
		Coating	0.00005	Polyamide	63428-83-1	100	0.0003	0.0003
7	Resistive Wire	Metal	0.2229	Nickel	7440-02-0	45	0.5146	1.1436
				Copper	7440-50-8	55	0.6290	
8	Varnish	Phenolic resin	0.052	Phenolic resin	9039-25-2	100	0.2668	0.2668
9	Synthetic organic color	Color	0.003	Resin	39277-28-6	92	0.0142	0.0154
				CI Basic Violet	73398-89-7	5	0.0008	
				CI Basic Red	989-38-8	3	0.0004	
10	Element Epoxy	Epoxy	0.0005	Epoxy resin	25068-38-6	64	0.0017	0.0026
				Antimony trioxide	1309-64-4	11	0.0003	
				Aluminum oxide	1344-28-1	10	0.0003	
				Kaolin clay	1332-58-7	6	0.0001	
				Magnesium alumino silicate	1302-88-1	9	0.0002	
11	Terminal Cover	PPS	0.237	Polyphenylene sulfide	26125-40-6	57	0.6931	1.2160
				Glass fiber	65997-17-3	41	0.4986	
				Carbon black	1333-86-4	2	0.0243	
12	T.R. Terminal x 2	Nickel Silver	0.082	Copper	7440-50-8	65	0.2735	0.4207
				Zinc	7440-66-6	17	0.0715	
				Nickel	7440-02-0	18	0.0757	
		Solder Inlay	0.00005	Silver	7440-22-4	56	0.00011	0.0002
				Copper	7440-50-8	22	0.00005	
				Zinc	7440-66-6	17	0.00003	
				Tin	7440-31-5	5	0.00001	
Plating	0.0004	Gold	7440-57-5	100	0.0021	0.0021		

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13	Element, Terminal and Collector Bar Lube	Lube	0.005	Decanoic acid, mixed esters with heptanoic acid, octanoic acid	68130-53-0	54.4	0.0140	0.0257
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.0014	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.0087	
				Polyisobutylene	9003-27-4	6.2	0.0016	
14	Tab	Nickel	0.1924	Nickel	7440-02-0	100	0.9872	0.9872
		Inlay	0.0176	Silver	7440-22-4	56	0.0506	
				Copper	7440-50-8	22	0.0199	
				Zinc	7440-66-6	17	0.0153	
				Tin	7440-31-5	5	0.0045	
15	Rotor	Nylon	1.372	Polyamide 66 + Polyamide 6	32131-17-2 25038-54-4	43	3.0269	7.0394
				Tetrafluoroethylene polymer	9002-84-0	13	0.9151	
				Glass fiber	65997-17-3	40	2.8158	
				Silicon	7440-21-3	2	0.1408	
				Carbon black	1333-86-4	2	0.1408	
16	Shaft	Stainless steel	6.89	Iron	7439-89-6	69.85	24.6925	35.3507
				Chromium	7440-47-3	18	6.3631	
				Manganese	7439-96-5	2	0.7070	
				Silicon	7440-21-3	1	0.3535	
				Nickel	7440-02-0	9	3.1816	
				Carbon	7440-44-0	0.15	0.0530	
17	Washer x 2	Stainless Steel	0.05	Carbon	7440-44-0	0.15	0.0004	0.2565
				Manganese	7439-96-5	2	0.0051	
				Silicon	7440-21-3	1	0.0025	
				Chromium	7440-47-3	18	0.0462	
				Nickel	7440-02-0	9	0.0231	
				Iron	7439-89-6	69.85	0.1792	

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18	C-Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.00007	0.0462
				Manganese	7439-96-5	1	0.00046	
				Silicon	7440-21-3	1	0.00046	
				Chromium	7440-47-3	13	0.00601	
				Iron	7439-89-6	84.85	0.03920	
19	Front Lid	PBT	0.827	Polybutylene terephthalate	30965-26-5	54	2.2913	4.2431
				Glass fiber	65997-17-3	30	1.2729	
				Brominated flame retardant (TBBPA Polycarbonate polymer)	Trade secret	11	0.4668	
				Antimony trioxide	1309-64-4	4	0.1697	
				Carbon black	1333-86-4	1	0.0424	
20	Bushing	Bronze	3.71	Copper	7440-50-8	93.45	17.7882	19.0350
				Tin	7440-31-5	6.25	1.1897	
				Phosphorus	7723-14-0	0.2	0.0381	
				Iron	7439-89-6	0.1	0.0190	
21	Bushing Lube	Lube	0.005	Siloxanes and silicones, di-Me, di-Ph	68083-14-7	68.9	0.0177	0.0256
				Lithium Stearate	4485-12-5	25.4	0.0065	
				Silane, dichlorodimethyl, reaction products with silica	68611-44-9	4.8	0.0012	
				Diphenylamine	122-39-4	0.9	0.0002	
22	Collector Bar	Nickel Silver	0.074	Nickel	7440-02-0	18	0.0684	0.3797
				Copper	7440-50-8	55	0.2088	
				Zinc	7440-66-6	27	0.1025	
		Plating	0.0009	Gold	7440-57-5	100	0.0046	0.0046
			Total weight	19.4904				

This Document was updated on: March 3, 2015

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Please see RoHS Certificate of Compliance for exemptions used.