


# MATERIAL DECLARATION SHEET



Reliable Electronic Solutions

Material Number	6630			
Product Line	Precision Potentiometer			
Compliance Date	03/11/2007			
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	C-Clip	Stainless Steel	0.01	Carbon	7440-44-0	0.15	0.0001	0.063
				Manganese	7439-96-5	1	0.001	
				Silicon	7440-21-3	1	0.001	
				Chromium *	7440-47-3	13	0.014	
				Iron	7439-89-6	84.85	0.091	
2	Cover	PPA	1.492	Polyphthalamide		34	3.221	9.464
				Glass	65997-17-3	30	2.842	
				Carbon Black	1333-86-4	1	0.095	
				Wollastonite	13983-17-0	35	3.316	
3	Terminal X 3	Brass	0.5299	Copper	7440-50-8	70	2.355	3.362
				Zinc	7440-66-6	30	1.009	
		Under Plating	0.0034	Nickel	7440-02-0	100	0.022	0.022
		Finish Plating	0.0069	Tin	7440-31-5	100	0.044	0.044
			0.00096	Gold	7440-57-5	100	0.006	0.006
4	Termination Ink	Ink	0.005	Silver	7440-22-4	81.88	0.026	0.0315
				Phenol, polymer with formaldehyde	9003-35-4	15.81	0.005	
				Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	0.77	0.0002	
				proprietary ingredients		1.54	0.0005	

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5	Resistive Ink	Ink	0.01	Phenolic Resin		67	0.043	0.063
				DAIP resin	1087-21-4	6	0.004	
				Carbon Black	1333-86-4	7	0.004	
				BaSO4	7727-43-7	16	0.01	
				Graphite	7782-42-5	4	0.003	
6	Element Lube	Grease	0.0185	Decanoic acid, mixed esters with heptanoic acid, octanoic acid	68130-53-0	54.4	0.063	0.117
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.007	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.039	
				Polyisobutylene	9003-27-4	6.2	0.007	
7	Housing	PBT	1.7508	Poly(butylene terephthalate)	30965-26-5	62	6.893	11.109
				Glass	65997-17-3	30	3.335	
				Antimony Oxide	1309-64-4	3	0.334	
				Antimony Compound	7440-36-0	3	0.334	
				Carbon Black	1333-86-4	1	0.111	
				Tetrahydrofuran	109-99-9	1	0.111	
8	Bushing	Brass	3.91	Copper	7440-50-8	61.5	15.269	24.811
				Lead [2]	7439-92-1	3	0.745	
				Zinc	7440-66-6	35.5	8.814	
9	Shaft	Brass	6.972	Copper	7440-50-8	61.5	27.226	44.241
				Lead [2]	7439-92-1	3	1.328	
				Zinc	7440-66-6	35.5	15.716	
10	Shaft Lube	Grease	0.0185	Siloxanes and Silicones, Me 3,3,3-trifluoropropyl	63148-56-1	84	0.099	0.117
				Polyurea for lubricants		15	0.018	
				Proprietary Ingredients		1	0.001	

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11	Rotor	PBT	0.878	Poly(butylene terephthalate)	30965-26-5	62	3.457	5.571
				Glass	65997-17-3	30	1.673	
				Antimony Oxide	1309-64-4	3	0.167	
				Antimony Compound	7440-36-0	3	0.167	
				Carbon Black	1333-86-4	1	0.056	
				Tetrahydrofuran	109-99-9	1	0.056	
12	Contact Spring	Pfinodal	0.0236	Copper	7440-50-8	77	0.115	0.149
				Tin	7440-31-5	7	0.01	
				Nickel	7440-02-0	15	0.022	
				Manganese	7439-96-5	0.2	0.0003	
				Other		0.8	0.001	
13	Contact Spring Tip	Palmet	0.00332	Copper	7440-50-8	16	0.003	0.021
				Nickel	7440-02-0	1	0.0002	
				Palladium	7440-05-3	1	0.0002	
				Platinum	7440-22-4	44	0.009	
				Silver	7440-22-4	38	0.008	
Total weight			15.759					

**This Document was updated on:** November 26, 2007

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.
2. RoHS compliant exemption used – lead in Copper alloy

\* The Chromium used in this Stainless Steel component is not Hexavalent Chromium (Cr <sup>+6</sup>).