


MATERIAL DECLARATION SHEET



Material #	PDB182-GTRB_			
Product Line	Potentiometer			
Compliance Date	Since Inception			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Materials/ Substances	CASRN If applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. [%]
1	Shaft	Aluminum	1.182	Aluminum	7429-90-5	96	12.557	13.080
				Magnesium	7439-95-4	1.333	0.1743	
				Calcium	7440-70-2	1.333	0.1743	
				Silicon	7440-21-3	1.333	0.1743	
2	Bushing	Zinc Alloy	4.165	Zinc	7440-66-6	89.2	41.110	46.088
				Aluminum	7429-90-5	4.16	1.917	
				Magnesium	7439-95-4	0.1	0.046	
				Copper	7440-50-8	0.9	0.415	
				Silicon	7440-21-3	0.02	0.009	
3	Element	Bakelite	0.359_2	Silica fused	60676-86-0	68	5.403	7.945
				Epoxy cresol novolac	39690-82-2	20	1.589	
				Phenol novolac	9003-35-4	7	0.556	
				Antimony trioxide	1309-64-4	3	0.238	
				Brominated epoxy black	40039-93-8	2	0.159	
4	Slider	Copper (Without plating)	0.065_2	Copper	7440-50-8	91.68	1.3185	1.438
				Tin	7440-31-5	8.167	0.1175	
				Phosphorus	7723-14-0	0.153	0.002	



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5	Rotor Seat	POM	0.272_2	Polyoxymethylene	30846-29-8	100	6.020	6.020
6	Terminals	SPCC-SD	0.155_6	Carbon	7440-44-0	0.5	0.0515	10.291
				Manganese	7439-96-5	6	0.617	
				Phosphorus	7723-14-0	5	0.515	
				Iron	7439-89-6	88	9.056	
				Silicon	7440-21-3	0.5	0.0515	
		Plating	N/A	Cu(Inner layer,thickness:1-3um) Sn(Outer layer,thickness:2-3um)	7440-50-8 7440-31-5	100	N/A	N/A
7	Case	SPCC-SD	1.288	Carbon	7440-44-0	0.5	0.071	14.253
				Manganese	7439-96-5	6	0.855	
				Phosphorus	7723-14-0	5	0.713	
				Iron	7439-89-6	88	12.543	
				Silicon	7440-21-3	0.5	0.071	
		Plating	N/A	Tin	7440-31-5	100	N/A	N/A
8	Detent spring	Copper (Without plating)	0.07	Copper	7440-50-8	91.68	0.711	0.775
				Tin	7440-31-5	8.167	0.063	
				Phosphorus	7723-14-0	0.153	0.001	
9	Lube	Polysiloxane	0.01	Polysiloxane		100	0.110	0.110
		Total weight	9.037					

This Document was updated on: October 22, 2009

The weight was measured by model PDB182-GTRB2-254MN.