

# MATERIAL DECLARATION SHEET



Material Number	PTM			
Product Line	Rotary Potentiometer			
Compliance Date	May 4, 2006			
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	Element Terminal	Steel	0.102	Carbon	7440-44-0	0.04	0.00083	2.073721
				Manganese	7439-96-5	0.29	0.00601	
				Phosphorus	7803-51-2	0.014	0.00029	
				Sulfur	7704-34-9	0.008	0.00017	
				Silicon	7440-21-3	0.01	0.00021	
				Aluminum	7429-90-5	0.051	0.00106	
				Iron	7439-89-6	99.587	2.06516	
		Plating	Tin	7440-31-5	100			
2	Element	Bakelite	0.16	Silica Fused	60676-86-0	75	2.07372	2.764961
				Epoxy, Cresol Novolac	39690-82-2	15	0.41474	
				Phenol Novolac	9003-35-4	6	0.16590	
				Antimony Trioxide	1309-64-4	3	0.08295	
				Brominated Epoxy Black	40039-93-8	1	0.02765	
3	Element Block	PBT	0.388	Polybutylene Terephthalate	26062-94-2	70	4.69352	6.705031
				Glass Fiber	65997-17-3	28	1.87741	
				Additives		2	0.13410	
4	Switch Case	PBT	0.6	Polybutylene Terephthalate	26062-94-2	70	7.25802	10.3686
				Glass Fiber	65997-17-3	28	2.90321	
				Additives		2	0.20737	

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5	Slide Contact Holder	POM	0.03	POM		100	0.51843	0.51843
6	Slide Contact	Nickel Silver	0.03	Copper	7440-50-8	54.786	0.28403	
				Nickel	7440-02-0	17.57	0.09109	
				Zinc	7440-66-6	27.26	0.14132	
				Lead	7439-92-1	0.001	0.00001	
				Tin	7440-31-5	0.002	0.00001	
				Iron	7439-89-6	0.028	0.00015	
				Manganese	7439-96-5	0.35	0.00181	
Silicon	7440-21-3	0.002	0.00001					
7	Actuator	POM	0.165	POM		100	2.85137	2.851366
8	Bushing	Zinc	2	Zinc	7440-66-6	95.9175	33.15102	34.56201
				Copper	7440-50-8	0.025	0.00864	
				Iron	7439-89-6	0.013	0.00449	
				Magnesium	7439-95-4	0.042	0.01452	
				Lead	7439-92-1	0.002	0.00069	
				Tin	7440-31-5	0.0005	0.00017	
				Aluminum	7429-90-5	4	1.38248	
9	Stopper Plate	Zinc	0.14	Zinc	7440-66-6	95.9175	2.32057	2.419341
				Copper	7440-50-8	0.025	0.00060	
				Iron	7439-89-6	0.013	0.00031	
				Magnesium	7439-95-4	0.042	0.00102	
				Lead	7439-92-1	0.002	0.00005	
				Tin	7440-31-5	0.0005	0.00001	
				Aluminum	7429-90-5	4	0.09677	
10	Rear Plate	Zinc	0.74	Zinc	7440-66-6	95.9175	12.26588	12.78794
				Copper	7440-50-8	0.025	0.00320	
				Iron	7439-89-6	0.013	0.00166	
				Magnesium	7439-95-4	0.042	0.00537	
				Lead	7439-92-1	0.002	0.00026	
				Tin	7440-31-5	0.0005	0.00006	
				Aluminum	7429-90-5	4	0.51152	

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11	Leaf Spring	Phosphor Bronze	0.0557	Tin	7440-31-5	8.45	0.08134	0.962552
				Phosphorus	7723-14-0	0.09	0.00087	
				Lead	7439-92-1	0.003	0.00003	
				Iron	7439-89-6	0.002	0.00002	
				Zinc	7440-66-6	0.004	0.00004	
				Copper	7440-50-8	99.98	0.96236	
12	Shaft	Aluminum	0.875	Silicon	7440-21-3	0.2	0.03024	15.12088
				Iron	7439-89-6	0.4	0.06048	
				Copper	7440-50-8	5.9	0.89209	
				Zinc	7440-66-6	0.15	0.02268	
				Titanium	7440-32-6	0.09	0.01361	
				Tin	7440-31-5	0.64	0.09072	
				Lead	7439-92-1	0.002	0.0003	
				Bismuth	7440-69-9	0.4	0.06048	
				Aluminum	7429-90-5	92.12	13.92863	
				Other		0.09	0.01361	
13	Rivet	Aluminum	0.12	Silicon	7440-21-3	0.2	0.00415	2.073721
				Iron	7439-89-6	0.4	0.00829	
				Copper	7440-50-8	5.9	0.12234	
				Zinc	7440-66-6	0.15	0.00311	
				Titanium	7440-32-6	0.09	0.00187	
				Tin	7440-31-5	0.64	0.01327	
				Lead	7439-92-1	0.002	0.00004	
				Bismuth	7440-69-9	0.4	0.00829	
				Aluminum	7429-90-5	92.12	1.91021	
				Other		0.09	0.00187	

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17	Switch Terminal	Phosphor Bronze	0.07	Tin	7440-31-5	8.45	0.10222	1.20967
				Phosphorus	7723-14-0	0.09	0.00109	
				Lead	7439-92-1	0.003	0.00004	
				Iron	7439-89-6	0.002	0.00002	
				Zinc	7440-66-6	0.004	0.00005	
				Copper	7440-50-8	99.98	1.20943	
		Plating		Silver	7440-22-4	100	1.20967	
18	Cam Shaft	Nylon	0.06	Nylon		100	1.03686	1.03686
19	Switch Spring Plate	Nylon	0.164	Nylon		100	2.83409	2.834085
20	Spring Stopper Plate	Steel	0.052	Carbon	7440-44-0	5	0.04493	0.898612
				Manganese	7439-96-5	23	0.20668	
				Phosphorus	7723-14-0	14	0.12581	
				Sulfur	7704-34-9	10	0.08986	
				Silicon	7440-21-3	1	0.00899	
				Aluminum	7429-90-5	50	0.44931	
21	Spring	Piano Wire	0.035	Carbon	7440-44-0	0.827	0.00500	0.604835
				Silicon	7440-21-3	0.313	0.00189	
				Manganese	7439-96-5	0.46	0.00278	
				Phosphorus	7723-14-0	0.009	0.00005	
				Sulfur	7704-34-9	0.003	0.00002	
				Cobalt	7440-48-4	0.01	0.00006	
				Iron	7440-89-6	98.378	0.59502	
		Total weight	5.787					

This Document was updated on: June 12, 2007

Important remarks:

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