


# MATERIAL DECLARATION SHEET



Material Number	PTJ			
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	0.12	Carbon	7440-44-0	0.04	0.00048	1.204
				Manganese	7439-96-5	0.29	0.00349	
				Phosphorus	7803-51-2	0.014	0.00017	
				Sulfur	7704-34-9	0.008	0.00010	
				Silicon	7440-21-3	0.01	0.00012	
				Aluminum	7429-90-5	0.051	0.00061	
				Iron	7439-89-6	99.587	1.19904	
		Plating	Tin	7440-31-5	100	1.20401		
2	Element	Bakelite	0.16	Silica Fused	60676-86-0	75	1.20401	1.605
				Epoxy, Cresol Novolac	39690-82-2	15	0.24080	
				Phenol Novolac	9003-35-4	6	0.09632	
				Antimony Trioxide	1309-64-4	3	0.04816	
				Brominated Epoxy Black	40039-93-8	1	0.01605	
3	Element Block	PBT	0.35	Polybutylene Terephthalate	26062-94-2	70	2.45819	3.512
				Glass Fiber	65997-17-3	28	0.98327	
				Additives		2	0.07023	
4	Switch Case	PBT	0.6	Polybutylene Terephthalate	26062-94-2	70	4.21403	6.020
				Glass Fiber	65997-17-3	28	1.68561	
				Additives		2	0.12040	

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5	Spacer 1	PBT	0.155	Polybutylene Terephthalate	26062-94-2	70	1.08863	1.555
				Glass Fiber	65997-17-3	28	0.43545	
				Additives		2	0.03110	
6	Slide Contact Holder	PBT	0.06	Polybutylene Terephthalate	26062-94-2	70	0.42140	0.602
				Glass Fiber	65997-17-3	28	0.16856	
				Additives		2	0.01204	
7	Slide Contact	Nickel Silver	0.06	Copper	7440-50-8	54.786	0.32981	0.602
				Nickel	7440-02-0	17.57	0.10577	
				Zinc	7440-66-6	27.26	0.16411	
				Lead	7439-92-1	0.001	0.00001	
				Tin	7440-31-5	0.002	0.00001	
				Iron	7439-89-6	0.028	0.00017	
				Manganese	7439-96-5	0.35	0.00211	
				Silicon	7440-21-3	0.002	0.00001	
8	Actuator	POM	0.165	POM		100	1.65551	1.656
9	Bushing	Zinc	2.4	Zinc	7440-66-6	95.9175	23.09711	24.080
				Copper	7440-50-8	0.025	0.00602	
				Iron	7439-89-6	0.013	0.00313	
				Magnesium	7439-95-4	0.042	0.01011	
				Lead	7439-92-1	0.002	0.00048	
				Tin	7440-31-5	0.0005	0.00012	
				Aluminum	7429-90-5	4	0.96321	
10	Stopper Plate	Zinc	0.28	Zinc	7440-66-6	95.9175	2.69466	2.809
				Copper	7440-50-8	0.025	0.00070	
				Iron	7439-89-6	0.013	0.00037	
				Magnesium	7439-95-4	0.042	0.00118	
				Lead	7439-92-1	0.002	0.00006	
				Tin	7440-31-5	0.0005	0.00001	
				Aluminum	7429-90-5	4	0.11237	

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11	Spacer 2	Zinc	0.47	Zinc	7440-66-6	95.9175	4.52318	4.716
				Copper	7440-50-8	0.025	0.00118	
				Iron	7439-89-6	0.013	0.00061	
				Magnesium	7439-95-4	0.042	0.00198	
				Lead	7439-92-1	0.002	0.00009	
				Tin	7440-31-5	0.0005	0.00002	
				Aluminum	7429-90-5	4	0.18863	
12	Rear Plate	Zinc	0.74	Zinc	7440-66-6	95.9175	7.12161	7.425
				Copper	7440-50-8	0.025	0.00186	
				Iron	7439-89-6	0.013	0.00097	
				Magnesium	7439-95-4	0.042	0.00312	
				Lead	7439-92-1	0.002	0.00015	
				Tin	7440-31-5	0.0005	0.00004	
				Aluminum	7429-90-5	4	0.29699	
13	Leaf Spring	Phosphor Bronze	0.0557	Tin	7440-31-5	8.45	0.04722	0.559
				Phosphorus	7723-14-0	0.09	0.00050	
				Lead	7439-92-1	0.003	0.00002	
				Iron	7439-89-6	0.002	0.00001	
				Zinc	7440-66-6	0.004	0.00002	
				Copper	7440-50-8	99.98	0.55875	
14	Inner Shaft	Brass	1.7	Copper	7440-50-8	57	9.72238	17.057
				Lead	7439-92-1	1.8	0.30702	
				Iron	7439-89-6	0.5	0.08528	
				Tin	7440-31-5	1.2	0.20468	
				Zinc	7440-66-6	39.5	6.73744	
15	Outer Shaft	Brass	2.15	Copper	7440-50-8	57	12.29595	21.572
				Lead	7439-92-1	1.8	0.38829	
				Iron	7439-89-6	0.5	0.10786	
				Tin	7440-31-5	1.2	0.25886	
16	Rivet	Aluminum	0.12	Silicon	7440-21-3	0.2	0.0024	1.204

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				Iron	7439-89-6	0.4	0.00482	
				Copper	7440-50-8	5.9	0.07403	
				Zinc	7440-66-6	0.15	0.00181	
				Titanium	7440-32-6	0.09	0.00108	
				Tin	7440-31-5	0.64	0.00771	
				Lead	7439-92-1	0.002	0.00002	
				Bismuth	7440-69-9	0.4	0.00482	
				Aluminum	7429-90-5	92.12	1.1091	
				Other		0.09	0.00108	
17	Switch Terminal	Phosphor Bronze	0.07	Tin	7440-31-5	8.45	0.05935	0.702
				Phosphorus	7723-14-0	0.09	0.00063	
				Lead	7439-92-1	0.003	0.00002	
				Iron	7439-89-6	0.002	0.00001	
				Zinc	7440-66-6	0.004	0.00003	
				Copper	7440-50-8	99.98	0.70220	
		Plating		Silver	7440-22-4	100	0.70234	
18	Cam Shaft	Nylon	0.06	Nylon		100	0.60200	0.602
19	Stopper Plate	Nylon	0.164	Nylon		100	1.64548	1.645
20	Spring Stopper Plate	Steel	0.052	Carbon	7440-44-0	5	0.02609	0.522
				Manganese	7439-96-5	23	0.12000	
				Phosphorus	7723-14-0	14	0.07304	
				Sulfur	7704-34-9	10	0.05217	
				Silicon	7440-21-3	1	0.00522	
				Aluminum	7429-90-5	50	0.26087	
21	Spring	Piano Wire	0.035	Carbon	7440-44-0	0.827	0.00290	0.351

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				Silicon	7440-21-3	0.313	0.00110	
				Manganese	7439-96-5	0.46	0.00162	
				Phosphorus	7723-14-0	0.009	0.00003	
				Sulfur	7704-34-9	0.003	0.00001	
				Cobalt	7440-48-4	0.01	0.00004	
				Iron	7440-89-6	98.378	0.34547	
			Total weight	9.967				

**This Document was updated on:** June 15, 2007

**Important remarks:**

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