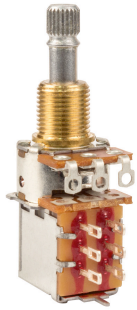


MATERIAL DECLARATION



Material Number	PDB185-GTR01 series (short bushing)			
Product Line	Rotary Potentiometer			
Compliance Date	2013-10-30			
RoHS Compliant	YES	MSL	N/A	

No.	Construction element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CAS-No. If applicable	Material mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	EL-Terminal Cover	t0.3 steel t0.5 steel	1.744	Carbon	7440-44-0	0.040	0.00472	11.79
				Manganese	7439-96-5	0.290	0.03422	
				Phosphorus	7723-14-0	0.014	0.00165	
				Sulfur	7704-34-9	0.008	0.00094	
				Silicon	7440-21-3	0.010	0.00118	
				Aluminum	7429-90-5	0.051	0.00602	
				Iron	7439-89-6	99.587	11.75100	
		Tin-plating		Tin	7440-31-5	100	Tin-plating 3~5 μm	
2	VR Element(PCB).	T0.8 Bakelite Plastic	0.887	Phenolic Resin	9003-35-4	52	3.12070	6.0
	SW Element(PCB)	t1.2 Bakelite Plastic		High insulation resistance paper	9004-34-6	48	2.88065	
				Copper	7440-50-8	55	0.2585	

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3	Slide Contact	t0.18 Nickel Sliver	0.069	Copper	7440-50-8	55	0.2585	0.47
	Contact Wiper	t0.15 Nickel Sliver		Nickel	7440-02-0	18	0.0846	
				Zinc	7440-66-6	27	0.1269	
4	Slide Contact Holder	PC	0.429	Polycarbonate	25037-45-0	100	2.90257	2.9
5	Bushing	φ 9 Brass	3.501	Copper	7440-50-8	57	13.50183	23.67
				Lead	7439-92-1	1.8	0.42637	
				Iron	7439-89-6	0.5	0.11844	
				Tin-Iron	7440-31-5 7439-89-6	1.2	0.28425	
				Zinc	7440-66-6	39.5	9.35653	
6	Shaft	φ 6.35 Aluminium	1.44	Silicon	7440-21-3	0.125	0.01218	9.74
				Iron	7439-89-6	0.186	0.01812	
				Copper	7440-50-8	5.415	0.52758	
				Zinc	7440-66-6	0.135	0.01315	
				Titanium	7440-32-6	0.01	0.00097	
				Tin	7440-31-5	0.79	0.07697	
				Bismuth	7440-69-9	0.536	0.05222	
				Aluminum	7429-90-5	92.723	9.03391	
				Other trace	N/A	0.08	0.01055	
7	Front Plate	t0.5 Tin Coated plate	4.635	Iron	7439-89-6	47.4998	14.8864	31.34
	Switch Cover	t0.6 Tin Coated plate		Silicon	7440-21-3	1	0.3134	
				Manganese	7439-96-5	20.8	6.5187	
				Phosphorus	7723-14-0	12.9	4.0429	
				Sulfur	7704-34-9	11.8	3.6981	
				Copper	7440-50-8	1	0.3134	

MATERIAL DECLARATION



				Tantalum	7440-25-7	0.0002	0.0001	
				Aluminum	7429-90-5	4	1.2536	
				Tin plating	7440-31-5	1	0.3134	
8	Spring Washer SW Clip	t0.2 Phosphor Bronze t0.07 Phosphor Bronze	0.177	Tin	7440-31-5	8.45	0.10119	1.2
				Phosphorus	7723-14-0	0.09	0.00108	
				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	91.451	1.09518	
				Tin	7440-31-5			
9	Pin Spring	φ 0.8 Steel Wire φ 0.35 Steel Wire	0.11	Carbon	7440-44-0	0.827	0.00612	0.74
				Silicon	7440-21-4	0.313	0.00232	
				Manganese	7439-96-5	0.460	0.0034	
				Phosphorus	7723-14-0	0.009	0.00007	
				Sulfur	7704-34-9	0.003	0.00002	
				Copper	7440-50-8	0.010	0.00007	
				Iron	7439-89-6	98.378	0.728	
10	Leaf Spring	t0.1 steel	0.084	Carbon	7440-44-0	0.050	0.00028	0.57
				Manganese	7439-96-5	0.240	0.00136	
				Phosphorus	7723-14-0	0.016	0.00009	
				Sulfur	7704-34-9	0.012	0.00007	
				Silicon	7440-21-4	0.010	0.00006	
				Aluminum	7429-90-5	0.045	0.00026	
				Iron	7439-89-6	99.627	0.56622	
11	SW Terminal	t0.25 Brass	0.563	Copper	7440-50-8	65.685	2.50207	3.81

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				Iron	7439-89-6	.035	0.00133	
				Lead	7439-92-1	.002	0.00008	
				Zinc	7440-66-6	34.278	1.30572	
		Ag Plating		Silver	7440-22-4	100	Ag Plating (0.5~1um)	
13	Actuator	POM	1.141	Polyoxymethylene	30846-29-8	100	7.72	7.72
		Total weight (g)	14.78					

This Document was updated on: **October 19, 2014**

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.