


MATERIAL DECLARATION SHEET



Material Number	PRS11S			
Product Line	Rotary Potentiometer			
Compliance Date	October 19, 2010			
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	t0.3 steel	0.06	Carbon	7440-44-0	5	0.068	1.358
				Manganese	7439-96-5	22	0.299	
				Phosphorus	7723-14-0	13	0.176	
				Sulfur	7704-34-9	10	0.136	
				Silicon	14464-46-1	1	0.014	
				Aluminum	7429-90-5	49	0.665	
		with Tin plating (t5~8um)		Tin	7440-31-5	100		
2	PCB	t0.6 Glass Fiber Plate (CEM-3)	0.08	Glass Fiber	65997-17-3	>96	1.738	1.810
				Carbon black	7782-42-5	<2	0.036	
				Silver	7440-22-4	<2	0.036	
3	EL-Block (Housing)	Nylon46 (30% GF reinforced)	0.26	Nylon46	50327-22-5	70	4.119	5.884
				Glass Fiber	65997-17-3	30	1.765	

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4	SW-Terminal (dummy)	t0.25 Phosphor Bronze	0.15	Lead	7439-92-1	0.003	0.0001	3.394
				Iron	7439-89-6	0.002	0.00007	
				Zinc	7440-66-6	0.005	0.0002	
				Copper	7440-50-8	99.97	3.3936	
				Tin	7440-31-5	0.01	0.0003	
				Phosphorus	7723-14-0	0.01	0.0003	
		with Ag Plating (t0.5~0.7um)		Ag	7440-22-4	100		
5	Switch-Block (back cover)	Nylon46 (30% Glass Fiber)	0.3	Nylon46	50327-22-5	70	4.752	6.789
				Glass Fiber	65997-17-3	30	2.037	
6	Slide Contact Holder (Rotor)	Nylon46	0.03	Nylon46	50327-22-5	70	0.475	0.678
				Glass Fiber	65997-17-3	30	0.203	
7	Stopper Plate	Zinc Casting alloy #5	0.14	Zinc	7440-66-6	95.9374	3.03957	3.168
				Cadmium	7440-43-9	0.0004	0.00001	
				Copper	7440-50-8	0.001	0.00003	
				Iron	7439-89-6	0.002	0.00006	
				Indium	7440-74-6	0.0005	0.00002	
				Magnesium	7439-95-4	0.05	0.00158	
				Nickel	7440-02-0	0.001	0.00003	
				Lead	7439-92-1	0.002	0.00006	
				Silicon	14464-46-1	0.005	0.00016	

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				Tin	7440-31-5	0.0005	0.00002	
				Tantalum	7440-25-7	0.0002	0.00001	
				Aluminum	7429-90-5	4	0.12673	
8	Washer	t0.25 Phosphor Bronze	0.1	Tin	7440-31-5	0.011	0.00025	2.263
				Lead	7439-92-1	0.003	0.00007	
				Iron	7439-89-6	0.002	0.00004	
				Zinc	7440-66-6	0.004	0.00009	
				Copper	7440-50-8	99.98	2.2597	
				Phosphorus	7723-14-0	0.13	0.0029	
9	Bushing	_7 Zinc Casting alloy #5	2.331	Zinc	7440-66-6	95.9374	50.609	52.753
				Cadmium	7440-43-9	0.0004	0.0003	
				Copper	7440-50-8	0.001	0.0006	
				Iron	7439-89-6	0.002	0.0019	
				Indium	7440-74-6	0.0005	0.0003	
				Magnesium	7439-95-4	0.05	0.0264	
				Nickel	7440-02-0	0.001	0.0005	
				Lead	7439-92-1	0.002	0.001	
				Silicon	14464-46-1	0.005	0.0026	
				Tin	7440-31-5	0.0005	0.0003	
				Tantalum	7440-25-7	0.0002	0.0001	
				Aluminum	7429-90-5	4	2.11	

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10	Shaft	_ 6 Aluminium	0.4028	Silicon	14464-46-1	0.125	0.0114	9.116
				Iron	01345-25-1	0.176	0.0160	
				Copper	07440-50-8	5.357	0.4883	
				Zinc	07440-66-6	0.133	0.0121	
				Titanium	07440-32-6	0.05	0.0046	
				Tin	07440-31-5	0.69	0.0629	
				Bismuth	07440-69-9	0.536	0.0488	
				Aluminum	07429-90-5	92.933	8.4714	
11	Attaching Plate	t0.4 Tin Coated plate	0.5	Carbon	7440-44-0	3	0.3394	11.315
				Silicon	14464-46-1	1	0.1131	
				Manganese	7439-96-5	21	2.3762	
				Phosphorus	7723-14-0	11	1.2447	
				Sulfur	7704-34-9	12	1.3578	
				Copper	7440-50-8	1	0.1131	
				Iron	7439-89-6	48	5.4313	
				Tin	7440-31-5	3	0.3394	
12	C-clip	_ 0.4 Piano Wire	0.009	Carbon	7440-44-0	0.827	0.0017	0.203
				Iron	7439-89-6	98.378	0.2004	
				Silicon	14464-46-1	0.313	0.0006	
				Manganese	7439-96-5	0.460	0.0009	
				Phosphorus	7723-14-0	0.009	0.00002	

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				Sulfur	7704-34-9	0.003	0.000006	
				Cobalt	7440-48-4	0.010	0.0002	
13	O-ring	_ 1.78 Viton	0.056	Viton	9011-17-0	94	1.191273649	1.267
				Iron	7439-89-6	5	0.06336562	
				Magnesium	1309-48-4	1	0.012673124	
		Total weight (g)	4.4188					

This Document was updated on: **October 19, 2010**

Important remarks:

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