


MATERIAL DECLARATION



Material #	PDB241-GTR04			
Product Line	Panel Controls			
Compliance Date	Since Inception			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous	CASRN	Average mass [%]	Material Mass% of total unit wt.	Subpart mass of total wt. [%]
				Material/Substances	If applicable			
1	Shaft	Aluminum	1.76	Aluminum	7429-90-5	92.47	9.311333	10.053
				Copper	7440-50-8	5.9	0.594105	
				Tin	7440-31-5	0.82	0.08257	
				Bismuth	7440-69-9	0.65	0.065452	
				Iron	7439-89-6	0.16	0.01611	
2	Bushing	Brass	8.39	Copper	7440-50-8	72	34.5574	47.996
				Zinc	7440-66-6	23.7	11.37514	
				Iron	7439-89-6	1.5	0.719946	
				Tin	7440-31-5	0.9	0.431967	
				Bismuth	7440-69-9	1.9	0.911931	
3	Prop	Steel	1.4125	Iron	7439-89-6	73	5.899424	8.081
				Aluminum	7429-90-5	24	1.939537	
				Phosphorous	7723-14-0	0.04	0.003233	
				Sulfur	7704-34-9	0.4	0.03233	
				Silicon	7440-21-3	1.92	0.155163	
				Manganese	7439-96-5	0.52	0.042023	
				Carbon	7440-44-0	0.12	0.009698	
		Plating	—	Tin	7440-31-5	100	—	
4	Element	Bakelite	0.78	Silica Fused	60676-86-0	37.12	1.656536	4.463
				Epoxy Cresol Novolac	39690-82-2	11.12	0.496247	
				Phenol resin	9003-35-4	3.61	0.161102	
				Antimony Trioxide	1309-64-4	0.02	0.000893	
				Brominated epoxy resin	40039-93-8	48.13	2.147874	

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5	Resistive Ink	Ink	0.04	Carbon	7440-44-0	100	0.228854	0.24
6	Termination Ink	Ink	0.01	Silver	7440-22-4	100	0.057213	0.051
7	Terminal x 3	Steel	0.53	Iron	7439-89-6	99.38	3.0113514	3.03
				Copper	7440-50-8	0.38	0.011523	
				Tin	7440-31-5	0.24	0.007278	
		Plating	–	Tin	7440-31-5	100	–	
8	Rotor	Polycarbonate	0.833	Polycarbonate	25037-45-0	100	4.765882	4.766
9	Brush	Phosphor bronze	0.18	Copper	7440-50-8	94.16	0.9697	1.03
				Tin	7440-31-5	5.73	0.05901	
				Phosphorous	7723-14-0	0.11	0.001133	
10	Case	Steel	3.531	Iron	7439-89-6	74	14.95954	20.215
				Aluminum	7429-90-5	24	4.848499	
				Phosphorous	7723-14-0	0.09	0.018182	
				Sulfur	7704-34-9	0.52	0.1056051	
				Silicon	7740-21-3	1.39	0.282809	
		Plating	–	Zinc	7440-66-6	100	–	
11	Spring	Phosphor bronze	0.0129	Copper	7440-50-8	94.16	0.069695	0.075
				Tin	7440-31-5	5.75	0.004944	
				Phosphorous	7723-14-0	0.09	0.0000664	
		Total weight	17.4794					

This Document was updated on: April 27, 2010

Important remarks:

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