

# MATERIAL DECLARATION SHEET



Material #	PDB241-GNL01	
Product Line	Panel Controls	
Compliance Date	Since Inception	
RoHS Compliant	Yes	

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	1.5	Aluminum	7429-90-5	92.47	10.62263067	11.18568233
				Copper	7440-50-8	5.9	0.677771396	
				Tin	7440-31-5	0.82	0.094198736	
				Bismuth	7440-69-9	0.65	0.07466973	
				Iron	7439-89-6	0.16	0.018380241	
2	Bushing	Brass	4.5	Copper	7440-50-8	72	33.08443423	33.55704698
				Zinc	7440-66-6	23.7	10.89029294	
				Iron	7439-89-6	1.5	0.689259047	
				Tin	7440-31-5	0.9	0.413555428	
				Bismuth	7440-69-9	1.9	0.873061459	
3	Bracket	Steel	1.413	Iron	7439-89-6	73	5.924698449	10.53691275
				Aluminum	7429-90-5	24	1.947846065	
				Phosphorous	7723-14-0	0.04	0.00324641	
				Sulfur	7704-34-9	0.4	0.032464101	
				Silicon	7440-21-3	1.92	0.155827685	
				Manganese	7439-96-5	0.52	0.042203331	
				Carbon	7440-44-0	0.12	0.00973923	
	Plating	Zinc	7440-66-6	100				
4	Element	Bakelite	0.78	Silica Fused	60676-86-0	37.12	1.663044227	5.81655481
				Epoxy, Cresol Novolac	39690-82-2	11.12	0.498196439	
				Phenol Novolac	9003-35-4	3.61	0.161734635	
				Antimony Trioxide	1309-64-4	0.02	0.000896037	
				Brominated Epoxy Black	40039-93-8	48.13	2.156312464	
5	Resistive Ink	Ink	0.04	Carbon	7440-44-0	100	0.229753016	0.298284862

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				Material\Substances	If applicable			
6	Termination Ink	Ink	0.01	Silver	7440-22-4	100	0.057438254	0.074571216
7	Terminal*3	Steel	0.53	Iron	7439-89-6	99.38	3.025353245	3.952274422
				Copper	7440-50-8	0.38	0.011568064	
				Tin	7440-31-5	0.24	0.007306146	
		Plating		Tin	7440-31-5	100		
8	Rotor	Polycarbonate	0.833	Polycarbonate	30525-89-4	100	4.784606548	6.211782252
9	Brush	Phosphor bronze	0.013	Copper	7440-50-8	94.16	0.070309018	0.09694258
				Tin	7440-31-5	5.73	0.004278576	
				Phosphorous	7723-14-0	0.11	8.21367E-05	
		Plating		Silver	7440-22-4	100		
10	Case	Steel	3.531	Iron	7439-89-6	74	15.00827111	26.3310962
				Aluminum	7429-90-5	24	4.867547387	
				Phosphorous	7723-14-0	0.09	0.018253303	
				Sulfur	7704-34-9	0.52	0.105463527	
				Silicon	7440-21-3	1.39	0.281912119	
		Plating		Tin	7440-31-5	100		
11	Shim	Phosphor bronze	0.18	Copper	7440-50-8	94.16	0.973509477	1.342281879
				Tin	7440-31-5	5.73	0.059241815	
				Phosphorous	7723-14-0	0.11	0.001137277	
12	Aluminum tubes	Aluminum	0.08	Aluminum	7429-90-5	92.47	0.424905227	0.596569724
				Copper	7440-50-8	5.9	0.027110856	
				Tin	7440-31-5	0.82	0.003767949	
				Bismuth	7440-69-9	0.65	0.002986789	
				Iron	7439-89-6	0.16	0.00073521	
		Total weight	13.41					

**This Document was updated on: December 16, 2011**

**Important remarks:**

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