


# MATERIAL DECLARATION SHEET



Material Number	PCW1D			
Product Line	Panel Control			
Compliance Date	September 30, 2005			
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	Substrate	Epoxy Composite Laminate	0.8	Epoxy Resin	26265-08-7	45.2	5.367	11.874
				Glass	65997-17-3	25	2.969	
				Copper	7440-50-8	18.5	2.197	
				Nickel	7440-02-0	6.5	0.772	
				TBBA	79-94-7	4.8	0.57	
2	Termination Ink	Ink	0.0005	Phenolic Resin	9039-25-2	13	0.001	0.007
				Silver	7440-22-4	86	0.006	
				Graphite	7782-42-5	1	0.0001	
3	Resistive Ink	Ink	0.0078	Kaolinite	1318-74-7	12	0.014	0.116
				Silica, amorphous fumed	112945-52-5	1	0.001	
				Carbon Black	1333-86-4	15.5	0.018	
				Talc	14807-96-6	8	0.009	
				Phenol, polymer with formaldehyde	9003-35-4	63.5	0.074	
5	Terminal X 3	Steel	0.123	Carbon	7440-44-0	0.1	0.002	1.826
				Manganese	7439-96-5	0.5	0.009	
				Phosphorus	7723-14-0	0.04	0.0007	
				Sulfur	7704-34-9	0.05	0.0009	
				Iron	7439-89-6	99.31	1.813	
		Under Plating	0.003	Copper	7440-50-8	100	0.045	0.045
		Finish Plating	0.007	Tin	7440-31-5	100	0.104	0.104

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6	Rotor	PBT	1.237	Glass	65997-17-3	30	5.508	18.361
				Antimony Oxide	1309-64-4	3	0.551	
				Antimony Compounds	7440-36-0	3	0.551	
				Tetrahydrofuran	10-99-9	1	0.184	
				Poly(butylene terephthalate)	30965-26-5	63	11.567	
7	Contact Spring	Nickel Silver	0.03	Copper	7440-50-8	65	0.289	0.445
				Nickel	7440-02-0	18	0.08	
				Silver	7440-22-4	17	0.076	
8	Rear Bracket	Brass	2.205	Copper	7440-50-8	70	22.909	32.728
				Zinc	7440-66-6	30	9.818	
		Plating	0.003	Tin	7440-31-5	100	0.045	0.045
9	Housing	PBT	2.283	Glass	65997-17-3	30	10.166	33.886
				Antimony Oxide	1309-64-4	3	1.017	
				Antimony Compounds	7440-36-0	3	1.017	
				Poly(butylene terephthalate)	30965-26-5	63	21.348	
				Carbon Black	1333-86-4	1	0.339	
10	O-Ring	Silicon Rubber	0.025	Silicon Rubber		100	0.371	0.371
11	Marking Ink	Ink	0.003	Epoxy Resin		100	0.045	0.045
12	Epoxy	Epoxy	0.0015	Bisphenol A Diglycidyl Ether Resin	25068-38-6	50	0.011	0.022
				Silicon Dioxide	7440-21-3	37	0.008	
				Aluminum Silicate Hydroxide	1332-58-7	9	0.002	
				Proprietary Ingredients		4	0.0009	
13	Rotor Lube	Grease	0.0065	Siloxanes and Silicones, Me 3,3,3-trifluoropropyl	63148-56-1	84	0.081	0.097
				Polyurea for lubricants		15	0.014	
				Proprietary Ingredients		1	0.0009	

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14	Element Lube	Grease	0.002	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	89.8	0.027	0.029
				Lithium 12-hydroxystearate	7620-77-1	9.2	0.003	
				tert-Butylphenyl diphenyl phosphate	56803-37-3	0.6	0.0002	
				Triphenyl-phosphate	115-86-6	0.4	0.0001	
		Total weight	6.737					

**This Document was updated on:** October 6, 2006

**Important remarks:**

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