


MATERIAL DECLARATION SHEET



Material Number	3852A-L			
Product Line	Panel Controls			
Compliance Date	December 31, 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	Alumina	0.8347	Aluminum Oxide	1344-28-1	96	7.844	8.171
				Silicon Oxide	7631-86-9	2	0.163	
				Magnesium Oxide	1309-48-4	1	0.082	
				Calcium Oxide	1305-78-8	0.5	0.041	
				Other Oxides		0.5	0.041	
2	Termination Ink	Ink	0.003	Silver	7440-22-4	75	0.022	0.029
				Palladium	7440-05-3	10	0.003	
				Dibismuth-trioxide	1304-76-3	10	0.003	
				Ruthenium(IV)oxide	12036-10-1	1	0.0003	
				Silicon dioxide	7631-86-9	1	0.0003	
				Nickel-monoxide	1313-99-1	1	0.0003	
				Lead-monoxide	1317-33-8	1	0.0003	
				Proprietary Ingredients		1	0.0003	
3	Resistive Ink 1	Ink	0.003	Ruthenium(IV)oxide	12036-10-1	14.125	0.004	0.029
				Silver	7440-22-4	4.0625	0.001	
				Palladium	7440-05-3	4.0625	0.001	
				Diboron-trioxide	1303-86-2	2.0625	0.0006	
				Aluminum Oxide	1344-28-1	4.0625	0.001	
				Lead-monoxide	1317-36-8	25.125	0.007	
				Silicon dioxide	7631-86-9	15.0625	0.007	
				Dibismuth-trioxide	1304-76-3	12.125	0.004	
				Digadolinium-trioxide	12064-62-9	13.125	0.004	
				Proprietary Ingredients		6.1875	0.002	

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4	Resistive Ink 2	Ink	0.003	Ruthenium(IV)oxide	12036-10-1	15	0.004	0.029
				Silver	7440-22-4	2	0.0006	
				Palladium	7440-05-3	2	0.0006	
				Diboron-trioxide	1303-86-2	1	0.0003	
				Aluminum Oxide	1344-28-1	5	0.001	
				Lead-monoxide	1317-36-8	30	0.009	
				Silicon dioxide	7631-86-9	18	0.005	
				Dibismuth-trioxide	1304-76-3	12	0.004	
				Digadolinium-trioxide	12064-62-9	13	0.004	
				Proprietary Ingredients		2	0.0006	
5	C-Ring	Stainless Steel	0.067	Iron	1309-37-1	84	0.551	0.656
				Chromium	7440-47-3	13	0.085	
				Silicon	7440-21-3	1	0.007	
				Manganese	7439-96-3	1	0.007	
				Carbon	7440-44-0	1	0.007	
6	Cover	PBT	0.6918	Glass	65997-17-3	30	2.032	6.772
				Poly(butylene terephthalate)	30965-26-5	67	4.537	
				Antimony Oxide	1309-64-4	3	0.203	
7	Terminal-Contact Spring X 3	Bronze	0.1868	Copper	7440-50-8	94.8	1.733	1.829
				Phosphorus	7723-14-0	0.2	0.004	
				Tin	7440-31-5	5	0.091	
		Nickel Silver	0.1868	Copper	7440-50-8	55	1.006	1.829
				Zinc	7440-50-8	27	0.493	
				Nickel	7740-02-0	18	0.329	
		Solder	0.000132	Tin	7440-31-5	96	0.001	0.001
				Silver	7440-22-4	4	0.0001	
				Glass	65997-17-3	30	2.27	
8	Body	PBT	0.773	Poly(butylene terephthalate)	30965-26-5	67	5.069	7.567
				Antimony Oxide	7439-92-1	3	0.227	
				Aluminum	7429-90-5	93.7	10.795	
9	Bushing	Aluminum	1.177	Aluminum	7429-90-5	93.7	10.795	11.521

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				Copper	7440-50-8	5.5	0.634	
				Bismuth	7440-69-9	0.4	0.046	
				Lead	7439-92-1	0.4	0.046	
		Plating	0.0167	Nickel	7440-02-0	100	0.164	0.164
10	Shaft	Brass	6.2485	Copper	7440-50-8	61.5	37.616	61.164
				Zinc	7440-50-8	35.5	21.713	
				Lead	7439-92-1	3	1.835	
		Plating	0.0145	Nickel	7440-02-0	100	0.142	0.142
11	Lube 1	Grease	0.005	Polysiloxane		100	0.049	0.049
12	Lube 2	Grease	0.005	Polysiloxane		79	0.039	0.049
				Lithium Stearate	4485-12-5	20	0.009	
				Lithium Hydroxide	1310-65-2	1	0.0005	
		Total weight	10.216					

This Document was updated on: August 21, 2006

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.