

MATERIAL DECLARATION SHEET



Material Number	3751H-L			
Product Line	Sensors & Controls			
Compliance Date	January 02, 2006			
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	Mandrel Wire	Annealed Copper Wire	1.5	Copper	7440-50-8	100	17.65	17.65
		Coating	0.00012	Polyamide	63428-83-1	100	0.0014	0.0014
2	Resist Wire	Nickel/ Chromium Alloy	0.425	Nickel	7440-02-0	74	3.700	5.00
				Copper	7440-50-8	1	0.050	
				Chromium	7440-47-3	21	1.050	
				Aluminum	7429-90-5	1	0.050	
				Silicon	7440-21-3	1	0.050	
				Cobalt	7440-48-4	1	0.050	
				Manganese	7439-96-5	1	0.050	
3	Varnish	Hi-Thermo	0.109	Alkyd Resin	63148-69-6	99.5	1.28	1.29
				Misc, Not to Declare	N/A	0.50	0.006	
		Pigment	0.010	Basic Violet 11.1	73398-89-7	99.5	0.12	0.12
				Misc. Not to Declare	N/A	0.50	0.001	
4	Resistive Ink	Ink	0.08	Formaldehyde, Polymer with 3-Chloro-1-Propene & Phenol	28470-78-2	34.2	0.322	0.941
				Diallyl iso-Phthalate	1087-21-4	34.8	0.3275	
				Carbon Black	1333-86-4	10.4	0.0979	

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				Benzenetrimethanol, Ar-(2-Propen-1-Yloxy)-	64051-40-7	6.78	0.0638	
				Benzenedimethanol, ar-(2-Propen-1-Yloxy)-	28655-63-2	4.5	0.0423	
				Graphite	7782-42-5	4.8	0.0452	
				Alkyl Glycidyl Ether	68609-97-2	3.8	0.0358	
				Acrylic Polymer	63148-62-9	0.72	0.0068	
5	Housing	RX1366FR-P	1.75	Diallyl Phthalate Polymer	25053-15-0	37	7.617	20.586
				Polyester Resin	68604-67-1	1	0.206	
				Calcium Silicate	13983-17-0	7.7	1.585	
				Amorphous Silica	61790-53-2	1.5	0.309	
				Glass Fiber	65997-17-3	41	8.440	
				Alumina Trihydrate	21645-51-2	2.6	0.535	
				Calcium Stearate	1592-23-0	1	0.206	
				Antimony Trioxide	1309-64-4	3.1	0.638	
				Bis (Tetrabromophthalimid o)Ethane	32588-76-4	5.1	1.050	
6	Tab 2X	Strip	0.0020	Nickel	7440-02-0	100	0.024	0.024
		Silver Alloy A56T	0.1922	Silver	7440-22-4	56	1.266	2.261
				Copper	7440-50-8	22	0.497	
				Zinc	7440-66-6	17	0.384	
				Tin	7440-31-5	5	0.113	
7	Terminal TR X2	Brass SAE#72	0.022	Copper	7440-50-8	61.5	0.159	0.259
				Zinc	7440-66-6	35.4	0.092	
				Lead	7439-92-2	3.1	0.008	
		Finish Plating	0.00105	Gold	7440-57-5	100	0.012	0.012
8	Terminal Cap X2	Nickel Alloy 201	0.0184	Carbon	7440-44-0	0.01	0.000017	0.22
				Copper	7440-50-8	0.1	0.0002	
				Iron	7439-89-6	0.19	0.00041	
				Manganese	7439-96-5	0.2	0.0004	

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		Plating	0.0010	Nickel	7440-02-0	99.3	0.215	0.012
				Sulphur	7704-34-9	0.004	0.000009	
				Silicon	7440-21-3	0.2	0.0004	
				Gold	7440-57-5	100	0.012	
9	Servo Lid	Aluminum 2011	1.29	Aluminum (Metal)	7429-90-5	92.93	14.10	15.175
				Bismuth	7440-69-9	0.4	0.061	
				Copper	7440-50-8	5.5	0.835	
				Iron	7439-89-6	0.345	0.052	
				Lead	7439-92-1	0.4	0.061	
				Silicon	7440-21-3	0.2	0.030	
				Zinc	7440-66-6	0.15	0.023	
				Misc, not to Declare	N/A	0.075	0.011	
10	Pin	Stainless Steel 303	0.026	Carbon	7440-44-0	0.15	0.0005	0.309
				Manganese	7439-96-5	2	0.0062	
				Phosphorus	7723-14-0	0.2	0.0006	
				Sulfur	7704-34-9	0.15	0.0005	
				Silicon	7440-21-3	0.9	0.0028	
				Chromium	7440-47-3	18	0.0557	
				Nickel	7440-02-0	9	0.0278	
				Iron	7439-89-6	69	0.2135	
				Molybdenum	7439-98-7	0.6	0.0019	
11	Ball Bearing	9Cr18Mo	0.13	Carbon	7440-44-0	1	0.015	1.529
				Chromium	7440-47-3	16.2	0.248	
				Iron	7439-89-6	81.3	1.243	
				Manganese	7439-96-5	0.37	0.006	
				Molybdenum	7439-98-7	0.45	0.007	
				Phosphorus	7723-14-0	0.027	0.000	
				Sulphur	7704-34-9	0.003	0.0000	
				Silicon	7440-21-3	0.4	0.006	
				Nickel	7440-02-0	0.2	0.003	
				Copper	7440-50-8	0.05	0.001	

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	Lube	Lube	0.001	Ester Oil, Synthetic, for Lubricants	N/A	94	0.011	
				Barium Bis (Dinonylnaphthalenes ulphonate)	25619-56-1	2.5	0.0003	0.012
				Further Additives, not to Declare	Misc, not to declare	3.5	0.0004	
12	Rotor	RX1366FR-P	0.56	Diallyl Phthalate Polymer	25053-15-0	37	2.437	
				Polyester Resin	68604-67-1	1	0.066	
				Calcium Silicate	13983-17-0	7.7	0.507	
				Amorphous Silica	61790-53-2	1.5	0.099	
				Glass Fiber	65997-17-3	41	2.701	
				Alumina Trihydrate	21645-51-2	2.6	0.171	
				Calcium Stearate	1592-23-0	1	0.066	
				Antimony Trioxide	1309-64-4	3.1	0.204	
				Bis (Tetrabromophthalimid o)Ethane	32588-76-4	5.1	0.336	6.588
13	Shaft	Stainless Steel 303	1.203	Carbon	7440-44-0	0.15	0.021	
				Manganese	7439-96-5	2	0.283	
				Phosphorus	7723-14-0	0.2	0.028	
				Sulfur	7704-34-9	0.15	0.021	
				Silicon	7440-21-3	0.9	0.127	
				Chromium	7440-47-3	18	2.547	
				Nickel	7440-02-0	9	1.274	
				Iron	7439-89-6	69	9.765	
				Molybdenum	7439-98-7	0.6	0.085	
14	Slider	Resin	0.035	Polyamide 66	32131-17-2	60	0.247	
				Glass Fiber	65997-17-3	35	0.144	
				Carbon Black	1333-86-4	5	0.021	0.412

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15	Contact Spring	Paliney 7 (PAL #7)	0.0105	Silver	7440-22-4	30	0.037	0.124
				Gold	7440-57-5	10	0.012	
				Copper	7440-50-8	14	0.017	
				Palladium	7440-05-3	35.85	0.044	
				Platinum	7440-06-4	10.15	0.013	
				Misc., not to Declare	N/A	0.005	0.00001	
16	Pin	Stainless Steel 303	0.005	Carbon	7440-44-0	0.15	0.0001	0.059
				Manganese	7439-96-5	2	0.001	
				Phosphorus	7723-14-0	0.2	0.0001	
				Sulfur	7704-34-9	0.15	0.0001	
				Silicon	7440-21-3	0.9	0.001	
				Chromium	7440-47-3	18	0.011	
				Nickel	7440-02-0	9	0.005	
				Iron	7439-89-6	69	0.041	
				Molybdenum	7439-98-7	0.6	0.0004	
17	Collector Bar	Beryllium Copper Alloy 25	0.0280	Beryllium	7440-41-7	1.9	0.0063	0.329
				Nickel	7440-02-0	0.3	0.0010	
				Cobalt	7440-48-4	0.3	0.0010	
				Iron	7439-89-6	0.3	0.0010	
				Aluminum	7429-90-5	0.1	0.00033	
				Silicon	7440-21-3	0.1	0.00033	
				Copper	7440-50-8	96.7	0.3185	
				Silver	7440-22-4	0.05	0.00016	
				Misc, not to Declare	N/A	0.25	0.00082	
		Under Plating	0.001	Nickel	7440-02-0	100	0.0118	0.0118
		Finish Plating	0.001	Gold	7440-57-5	100	0.0118	0.0118
18	Terminal Wiper	Brass Alloy C260	0.127	Copper	7440-50-8	70	1.046	1.494
				zinc	7440-66-6	30	0.4482	
		Finish Plating	0.001	Gold	7440-57-5	100	0.0118	0.012
19	Cover	RX1366FR-P	0.8	Diallyl Phthalate Polymer	25053-15-0	37	3.48	9.411

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				Polyester Resin	68604-67-1	1	0.09	
				Calcium Silicate	13983-17-0	7.7	0.72	
				Amorphous Silica	61790-53-2	1.5	0.14	
				Glass Fiber	65997-17-3	41	3.86	
				Alumina Trihydrate	21645-51-2	2.6	0.24	
				Calcium Stearate	1592-23-0	1	0.09	
				Antimony Trioxide	1309-64-4	3.1	0.29	
				Bis (Tetrabromophthalimid o) Ethane	32588-76-4	5.1	0.48	
20	Ball Bearing	9Cr18Mo	0.07	Carbon	7440-44-0	1	7.00	0.823
				Chromium	7440-47-3	16.20	113.40	
				Iron	7439-89-6	81.3	569.10	
				Manganese	7439-96-5	0.37	2.59	
				Molybdenum	7439-98-7	0.45	3.15	
				Phosphorus	7723-14-0	0.027	0.19	
				Sulphur	7704-34-9	0.003	0.02	
				Silicon	7440-21-3	0.4	2.80	
				Nickel	7440-02-0	0.2	1.40	
				Copper	7440-50-8	0.05	0.35	
	Lube	Lube	0.001	Ester Oil, Synthetic, for Lubricants	N/A	94	9.400	0.012
				Barium Bis (Dinonylnaphthalenes ulphonate)	25619-56-1	2.5	0.2500	
				Further Additives, not to Declare	Misc, not to Declare	3.5	0.3500	
21	Lube	Lube	0.050	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid	68130-53-0	54.4	0.320	0.588
				Lithium 12- Hydroxystearate	7620-77-1	5.7	0.034	

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				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.198	
				Polyisobutylene	9003-27-4	6.2	0.036	
22	Epoxy	Epoxy	0.035	Epoxy Resin	25085-99-8	49	0.202	0.412
				Antimony Trioxide	1309-64-4	11	0.045	
				Quartz, (SiO2)	14808-60-7	11	0.045	
				Aluminum Oxide	1344-28-1	11	0.045	
				Kaolin Clay	1332-58-7	9	0.037	
				Mg Alumino Silicate	1302-88-1	9	0.037	
23	Epoxy	Epoxy	0.01	Epoxy Resin	25085-99-8	51	0.060	0.118
				Quartz, (SiO2)	14808-60-7	34	0.040	
				Kaolin Clay	1332-58-7	15	0.018	
24	Ink	Ink	0.005	Copolymer of Vinyl Chloride	53710-52-4	93	0.055	0.0588
				Pigment	N/A	7	0.004	
		Total weight	8.501					

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Important remarks:

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