

MATERIAL DECLARATION SHEET



Material Number	3701H-1-XXXL			
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	Hex Nut	Stainless Steel 303	0.86	Carbon	7440-44-0	0.15	0.014	9.52
				Manganese	7439-96-5	2	0.19	
				Phosphorus	7723-14-0	0.2	0.02	
				Sulfur	7704-34-9	0.15	0.014	
				Silicon	7440-21-3	0.9	0.086	
				Chromium	7440-47-3	18	1.71	
				Nickel	7440-02-0	9	0.857	
				Iron	7439-89-6	69	6.57	
				Molybdenum	7439-98-7	0.6	0.06	
2	Lock Washer	Steel S50CM	0.2663	Carbon	7440-44-0	0.5	0.015	2.947
				Chromium	7440-47-3	0.1	0.003	
				Copper	7440-50-8	0.2	0.006	
				Iron	7439-89-6	98.01	2.889	
				Manganese	7439-96-5	0.8	0.024	
				Nickel	7440-02-0	0.1	0.003	
				Phosphorus	7723-14-0	0.02	0.001	
				Sulphur	7704-34-9	0.02	0.001	
				Silicon	7440-21-3	0.25	0.007	
		Nickel Plating	0.0037	Nickel	7440-02-0	100	0.041	0.041
3	Mandrel Wire	Annealed Copper Wire	1.5	Copper	7440-50-8	100	16.60	16.60

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		Coating	0.00012	Polyamide	63428-83-1	100	0.0013	0.0013
4	Resist Wire	Nickel/ Chromium Alloy	0.578	Nickel	7440-02-0	74	4.734	6.40
				Copper	7440-50-8	1	0.064	
				Chromium	7440-47-3	21	1.343	
				Aluminum	7429-90-5	1	0.064	
				Silicon	7440-21-3	1	0.064	
				Cobalt	7440-48-4	1	0.064	
				Manganese	7439-96-5	1	0.064	
5	Varnish	Hi-Thermo	0.109	Alkyd Resin	63148-69-6	99.5	1.20	1.210
				Misc, Not to Declare	N/A	0.5	0.006	
		Pigment	0.006	Basic Violet 11.1	73398-89-7	99.5	0.066	0.066
				Misc. Not to Declare	N/A	0.5	0.0003	
6	Ink	Ink	0.008	Formaldehyde, Polymer with 3-Chloro-1-Propene & Phenol	28470-78-2	34.20	0.030	0.089
				Diallyl Iso-Phthalate	1087-21-4	34.80	0.031	
				Carbon Black	1333-86-4	10.40	0.009	
				Benzenetrimethanol, Ar-(2-Propen-1-Yloxy)-	64051-40-7	6.78	0.0060	
				Benzenedimethanol, Ar-(2-Propen-1-Yloxy)-	28655-63-2	4.50	0.0040	
				Graphite	7782-42-5	4.80	0.0042	
				Alkyl Glycidyl Ether	68609-97-2	3.80	0.003	
7	Housing	Resin	1.75	Acrylic Polymer	63148-62-9	0.72	0.0006	19.368
				Diallyl Phthalate Polymer	25053-15-0	37	7.166	
				Polyester Resin	68604-67-1	1	0.194	
				Calcium Silicate	13983-17-0	7.7	1.491	
				Amorphous Silica	61790-53-2	1.5	0.291	
				Glass Fiber	65997-17-3	41	7.941	
				Alumina Trihydrate	21645-51-2	2.6	0.504	
				Calcium Stearate	1592-23-0	1	0.194	
				Antimony Trioxide	1309-64-4	3.1	0.600	

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				Bis (Tetrabromophthalimido)Ethane	32588-76-4	5.1	0.988	
8	Tab 2X	Strip	0.0020	Nickel	7440-02-0	100	0.022	0.022
		Silver Alloy A56T	0.1922	Silver	7440-22-4	56	1.191	2.127
				Copper	7440-50-8	22	0.468	
				Zinc	7440-66-6	17	0.362	
				Tin	7440-31-5	5	0.106	
9	Terminal TR X2	Brass SAE#72	0.022	Copper	7440-50-8	61.50	0.152	0.248
				Zinc	7440-66-6	35.40	0.088	
				Lead	7439-92-2	3.10	0.008	
		Gold Plating	0.00105	Gold	7440-57-5	100	0.01	0.012
10	Terminal Cap X2	Nickel Alloy 201	0.01840	Carbon	7440-44-0	0.01	0.000016	0.2036
				Copper	7440-50-8	0.1	0.00020	
				Iron	7439-89-6	0.19	0.00039	
				Manganese	7439-96-5	0.2	0.00041	
				Nickel	7440-02-0	99.3	0.202	
				Sulphur	7704-34-9	0.004	0.0000005	
				Silicon	7440-21-3	0.2	0.0004073	
		Plating	0.00100	Gold	7440-57-5	100	0.011	0.011
11	Lid molded	Resin	0.2	Diallyl Phthalate Polymer	25053-15-0	37	0.897	2.424
				Polyester Resin	68604-67-1	1	0.024	
				Calcium Silicate	13983-17-0	8	0.2	
				Amorphous Silica	61790-53-2	2	0.036	
				Glass Fiber	65997-17-3	41	0.994	
				Alumina Trihydrate	21645-51-2	3	0.063	
				Calcium Stearate	1592-23-0	1	0.024	
				Antimony Trioxide	1309-64-4	3	0.075	
				Bis (Tetrabromophthalimido) Ethane	32588-76-4	5	0.12	

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12	Bushing	Aluminum 2011-T3	0.651	Aluminum (Metal)	7429-90-5	92.93	6.7	7.205
				Bismuth	7440-69-9	0.4	0.029	
				Copper	7440-50-8	5.5	0.396	
				Iron	7439-89-6	0.345	0.025	
				Lead	7439-92-1	0.4	0.029	
				Silicon	7440-21-3	0.2	0.014	
				Zinc	7440-66-6	0.15	0.011	
				Misc, Not to Declare	N/A	0.075	0.005	
13	Teflon Washer	PTFE	0.0037	Polytetrafluoroethylene	9002-84-0	100	0.041	0.041
14	Teflon Washer	PTFE	0.0047	Polytetrafluoroethylene	9002-84-0	100	0.052	0.052
15	Rotor	Resin	0.45	Glass w/o Declarables	65997-17-3	40	1.992	4.980
				Carbon Black	1333-86-4	1	0.050	
				Polyphenylene Sulfide	26125-40-6	59	2.938	
16	Shaft	Stainless Steel 303	1.45	Carbon	7440-44-0	0.18	0.029	16.05
				Manganese	7439-96-5	2	0.321	
				Phosphorus	7723-14-0	0.045	0.007	
				Sulfur	7704-34-9	0.03	0.005	
				Silicon	7440-21-3	0.75	0.120	
				Chromium	7440-47-3	17	2.728	
				Nickel	7440-02-0	8	1.28	
				Iron	7439-89-6	71.995	11.554	
17	Slider	Zytel	0.175	Polyamide 66	32131-17-2	60	1.162	1.937
				Glass Fiber	65997-17-3	35	0.678	
				Carbon Black	1333-86-4	5	0.097	
18	Contact Spring	PAL #7	0.0105	Silver	7440-22-4	30	0.035	0.116
				Gold	7440-57-5	10	0.01	
				Copper	7440-50-8	14	0.016	
				Palladium	7440-05-3	35.85	0.042	
				Platinum	7440-06-4	10.145	0.01	
				Misc., Not to Declare	N/A	0.005	0.00001	

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19	Pin	Stainless Steel 303	0.005	Carbon	7440-44-0	0.15	0.0001	0.055
				Manganese	7439-96-5	2	0.0011	
				Phosphorus	7723-14-0	0.2	0.0001	
				Sulfur	7704-34-9	0.15	0.0001	
				Silicon	7440-21-3	0.9	0.0005	
				Chromium	7440-47-3	18	0.01	
				Nickel	7440-02-0	9	0.005	
				Iron	7439-89-6	69	0.04	
				Molybdenum	7439-98-7	0.6	0.0003	
20	Collector Bar	Beryllium Copper Alloy 25	0.0280	Beryllium	7440-41-7	1.9	0.0059	0.310
				Nickel	7440-02-0	0.3	0.0009	
				Cobalt	7440-48-4	0.3	0.0009	
				Iron	7439-89-6	0.3	0.0009	
				Aluminum	7429-90-5	0.1	0.0003	
				Silicon	7440-21-3	0.1	0.0003	
				Copper	7440-50-8	96.7	0.300	
				Silver	7440-22-4	0.05	0.0002	
				Misc, Not to Declare	N/A	0.25	0.0008	
21	Terminal Wiper	Nickel Plating	0.001	Nickel	7440-02-0	100	0.0111	0.0111
		Gold Plating	0.001	Gold	7440-57-5	100	0.0111	0.0111
		Beryllium Copper Alloy 25	0.075	Beryllium	7440-41-7	1.9	0.016	0.830
				Nickel	7440-02-0	0.3	0.002	
				Cobalt	7440-48-4	0.3	0.002	
				Iron	7439-89-6	0.3	0.002	
				Aluminum	7429-90-5	0.1	0.0008	
				Silicon	7440-21-3	0.1	0.0008	
				Copper	7440-50-8	96.7	0.803	
				Silver	7440-22-4	0.05	0.0004	
				Misc, Not to Declare	N/A	0.25	0.002	
22	Cover Molded	Resin	0.521	Gold	7440-57-5	100	0.0111	0.0111
				Gold	7440-57-5	100	0.0111	
				Diallyl Phthalate Polymer	25053-15-0	37	2.13	5.766
				Polyester Resin	68604-67-1	1	0.06	

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				Calcium Silicate	13983-17-0	7.7	0.44	
				Amorphous Silica	61790-53-2	1.5	0.09	
				Glass Fiber	65997-17-3	41	2.36	
				Alumina Trihydrate	21645-51-2	2.6	0.15	
				Calcium Stearate	1592-23-0	1	0.06	
				Antimony Trioxide	1309-64-4	3.1	0.18	
				Bis (Tetrabromophthalimido) Ethane	32588-76-4	5.1	0.3	
23	Lube	Lube	0.05	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid	68130-53-0	54.4	0.301	0.553
				Lithium 12- Hydroxystearate	7620-77-1	5.7	0.032	
				Isohexadecyl- Isooctadecanoate	52006-45-8	33.7	0.19	
				Polyisobutylene	9003-27-4	6.2	0.034	
24	Lube	Lube	0.021	Siloxanes and Silicones, Di-Me, Di-Ph	68083-14-7	68.90	0.160	0.232
				Lithium Stearate	4485-12-5	25.40	0.059	
				Silane, Dichlorodimethyl- Reaction Products & Silica	68611-44-9	4.80	0.01	
				Diphenylamine	122-39-4	0.90	0.002	
25	Epoxy	Epoxy	0.035	Epoxy Resin	25085-99-8	49	0.190	0.387
				Antimony Trioxide	1309-64-4	11	0.043	
				Quartz, (SiO ₂)	14808-60-7	11	0.043	
				Aluminum Oxide	1344-28-1	11	0.043	
				Kaolin Clay	1332-58-7	9	0.035	
				Mg Alumino Silicate	1302-88-1	9	0.035	
26	Epoxy	Epoxy	0.01	Epoxy Resin	25085-99-8	51	0.06	0.111
				Quartz, (SiO ₂)	14808-60-7	34	0.038	
				Kaolin Clay	1332-58-7	15	0.017	

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27	Ink	Ink	0.005	Copolymer of Vinyl Chloride	53710-52-4	93	0.051	0.0553
				Pigment	N/A	7	0.004	
		Total weight	9.0354					

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Important remarks:

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