

MATERIAL DECLARATION SHEET



Material Number	3501H-1-XXXX			
Product Line	Sensors & Controls			
Compliance Date	Feb 21, 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	Brass C260	1.25	Copper	7440-50-8	70	3.319	4.74
				Zinc	7440-66-6	30	1.422	
		Plating	0.09	Nickel	7440-02-0	100	0.341	0.34
2	Lock washer	C1050 Carbon Steel	0.17	Carbon	7440-44-0	0.5	0.003	0.64
				Iron	7439-89-6	98.7	0.63	
				Manganese	7439-96-5	0.75	0.005	
				Phosphorus	7723-14-0	0.02	0.0001	
				Sulphur	7704-34-9	0.03	0.0002	
		Plating	0.001	Nickel	10101-97-0	100	0.0038	0.004
3	Bushing	Aluminum 2011-T3	1.192	Aluminum (Metal)	7429-90-5	92.93	4.20	4.52
				Bismuth	7440-69-9	0.4	0.02	
				Copper	7440-50-8	5.5	0.25	
				Iron	7439-89-6	0.345	0.02	
				Lead	7439-92-1	0.4	0.02	
				Silicon	7440-21-3	0.2	0.01	
				Zinc	7440-66-6	0.15	0.01	
				Misc, not to Declare	N/A	0.075	0.00	
4	Lid Molded	Shinkong	0.77	PBT	26062-94-2	53.7	1.57	2.92
				Glass Fiber	65997-17-3	30	0.88	
				Brominated Epoxy Resin	68928-70-1	10.5	0.31	

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				Antimony Trioxide	1309-64-4	3	0.09	
				Pigment Blue 15	147-14-8	0.8	0.02	
				Further Additives, Not to Declare	N/A	2	0.06	
5	Element Assy	Ink	0.35	Formaldehyde, Polymer with 3 - Chloro-1-Propene & Phenol	28470-78-2	31	0.4116	1.33
				Diallyl Iso - Phthalate	1087-21-4	31	0.4116	
				Carbon Black	1333-86-4	18	0.2390	
				Benzenetrimethanol, Ar-(2-Propen-1-Ylox)-	64051-40-7	6	0.0797	
				Benzenedimethanol, Ar-(2-Propen-1-Ylox)-	28655-63-2	4	0.0531	
				Graphite	7782-42-5	5	0.0664	
				Alkyl Glycidyl Ether	68609-97-2	4	0.0531	
6	Mandrel Wire	Annealed Copper Wire	3.089	Copper	7440-50-8	100	11.72	11.72
		Coating	0.0003	Polyamide	63428-83-1	100	0.001	0.001
7	Resist Wire	Nickel/ Chromium Alloy	0.623	Nickel	7440-02-0	74	1.75	2.36
				Copper	7440-50-8	1	0.02	
				Chromium	7440-47-3	21	0.50	
				Aluminum	7429-90-5	1	0.02	
				Silicon	7440-21-3	1	0.02	
				Cobalt	7440-48-4	1	0.02	
				Manganese	7439-96-5	1	0.02	
8	Varnish	Varnish	0.094	Alkyd Resin	63148-69-6	99.5	0.35	0.357
				Misc, Not to Declare	N/A	0.5	0.002	
			0.006	Basic Violet 11.1	73398-89-7	99.5	0.023	0.023
				Misc. Not to Declare	N/A	0.5	0.0001	
9	Housing	Resin	4.724	Diallyl Phthalate Polymer	25053-15-0	37	6.63	17.92
				Polyester Resin	68604-67-1	1	0.18	

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				Calcium silicate	13983-17-0	7.7	1.38	
				Amorphous Silica	61790-53-2	1.5	0.27	
				Glass Fiber	65997-17-3	41	7.35	
				Alumina Trihydrate	21645-51-2	2.6	0.47	
				Calcium Stearate	1592-23-0	1	0.18	
				Antimony Trioxide	1309-64-4	3.1	0.6	
				Bis (Tetrabromophthalimido)Eth ane	32588-76-4	5.1	0.91	
10	Tab	Strip	0.192	Nickel	7440-02-0	100	0.728	0.73
		Silver Alloy A56T	0.013	Silver	7440-22-4	56	0.028	0.05
				Copper	7440-50-8	22	0.011	
				Zinc	7440-66-6	17	0.01	
				Tin	7440-31-5	5	0.002	
11	Terminal TR X2	Beryllium Copper	0.07	Beryllium	7440-41-7	1.9	0.005	0.266
				Nickel	7440-02-0	0.3	0.001	
				Cobalt	7440-48-4	0.3	0.001	
				Iron	7439-89-6	0.3	0.001	
				Aluminum	7429-90-5	0.1	0.0003	
				Silicon	7440-21-3	0.1	0.0003	
				Copper	7440-50-8	96.7	0.26	
				Silver	7440-22-4	0.05	0.0001	
				Misc, not to Declare	N/A	0.25	0.001	
		Under Plating	0.0065	Nickel	7440-02-0	100	0.025	0.02
		Finish Plating	0.006	Gold	7440-57-5	100	0.02	0.02
12	Shaft	Stainless Steel 303	9.92	Carbon	7440-44-0	0.15	0.06	37.63
				Manganese	7439-96-5	2	0.75	
				Phosphorus	7723-14-0	0.2	0.08	
				Sulfur	7704-34-9	0.15	0.06	
				Silicon	7440-21-3	0.9	0.34	
				Chromium	7440-47-3	18	6.77	
				Nickel	7440-02-0	9	3.39	

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				Iron	7439-89-6	69	25.96	
				Molybdenum	7439-98-7	0.6	0.23	
13	Rotor Molded	Shinkong	1.56	PBT	26062-94-2	53.7	3.18	5.92
				Glass Fiber	65997-17-3	30	1.78	
				Brominated Epoxy Resin	68928-70-1	10.5	0.62	
				Antimony Trioxide	1309-64-4	3	0.18	
				Pigment Blue 15	147-14-8	0.8	0.05	
				Further Additives, Not to Declare	N/A	2	0.12	
14	Slider	Polyamide 66	0.154	Poly[imino(1,6-Dioxo-1,6-Hexanediyl)Imino-1,6-Hexanediyl]	32131-17-2	99.5	0.581	0.584
				Carbon Black	1333-86-4	0.5	0.003	
15	Contact Spring	Pal #7	0.013	Silver	7440-22-4	30.00	0.015	0.049
				Gold	7440-57-5	10.00	0.005	
				Copper	7440-50-8	14.00	0.007	
				Palladium	7440-05-3	35.85	0.018	
				Platinum	7440-06-4	10.145	0.005	
				Misc., not to Declare	N/A	0.005	0.0000	
16	Collector Bar	Beryllium Copper	0.108	Beryllium	7440-41-7	1.9	0.008	0.410
				Nickel	7440-02-0	0.3	0.0012	
				Cobalt	7440-48-4	0.3	0.0012	
				Iron	7439-89-6	0.3	0.0012	
				Aluminum	7429-90-5	0.1	0.0004	
				Silicon	7440-21-3	0.1	0.0004	
				Copper	7440-50-8	96.7	0.40	
				Silver	7440-22-4	0.05	0.00020	
				Misc, not to Declare	N/A	0	0.0010	
		Under Plating	0.0032	Nickel	7440-02-0	100	0.012	0.012
		Finish Plating	0.0032	Gold	7440-57-5	100	0.012	0.012
17	Terminal wiper	Beryllium Copper	0.331	Beryllium	7440-41-7	1.9	0.024	1.256

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				Nickel	7440-02-0	0.3	0.004	
				Cobalt	7440-48-4	0.3	0.004	
				Iron	7439-89-6	0.3	0.004	
				Aluminum	7429-90-5	0.1	0.001	
				Silicon	7440-21-3	0.1	0.001	
				Copper	7440-50-8	96.7	1.214	
				Silver	7440-22-4	0.05	0.001	
				Misc, not to declare	N/A	0.25	0.003	
		Under Plating	0.015	Nickel	7440-02-0	100	0.057	0.057
		Finish Plating	0.003	Gold	7440-57-5	100	0.011	0.011
18	C-Ring	Stainless Steel 420	0.087	Carbon	7440-44-0	0.15	0.0005	0.330
				Manganese	7439-96-5	1	0.003	
				Silicon	7740-21-3	1	0.003	
				Chromium III	7740-47-3	14	0.05	
				Iron	7439-89-6	83.85	0.277	
19	Cover Molded	Resin	1.08	PBT	26062-94-2	53.7	2.20	4.10
				Glass Fiber	65997-17-3	30	1.23	
				Brominated Epoxy Resin	68928-70-1	10.5	0.43	
				Antimony Trioxide	1309-64-4	3	0.12	
				Pigment Blue 15	147-14-8	0.8	0.03	
				Further Additives, Not to Declare	N/A	2	0.08	
20	Lube	Lube	0.09	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid	68130-53-0	54.4	0.186	0.341
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.019	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.115	
				Polyisobutylene	9003-27-4	6.2	0.021	
21	Lube	Lube	0.01	Siloxanes and Silicones, Di-Me, Di-Ph	68083-14-7	68.90	0.026	0.038

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				Lithium Stearate	4485-12-5	25.40	0.010	
				Silane, Dichlorodimethyl-, Reaction Products & Silica	68611-44-9	4.80	0.002	
				Diphenylamine	122-39-4	0.90	0.0003	
22	Epoxy	Epoxy	0.235	Epoxy Resin	25085-99-8	49	0.44	0.891
				Antimony Trioxide	1309-64-4	11	0.10	
				Quartz, (SiO ₂)	14808-60-7	11	0.10	
				Aluminum Oxide	1344-28-1	11	0.10	
				Kaolin Clay	1332-58-7	9	0.08	
				Mg Alumino Silicate	1302-88-1	9	0.08	
23	Epoxy	Epoxy	0.05	Epoxy Resin	25085-99-8	51	0.097	0.190
				Quartz, (SiO ₂)	14808-60-7	34	0.064	
				Kaolin Clay	1332-58-7	15	0.028	
24	Epoxy	Epoxy	0.05	Epoxy Resin	25085-99-8	61	0.116	0.190
				Quartz, (SiO ₂)	14808-60-7	23	0.044	
				Kaolin Clay	1332-58-7	16	0.030	
25	Ink	Ink	0.005	Copolymer of Vinyl Chloride	53710-52-4	93	0.018	0.019
				Pigment	N/A	7	0.001	
		Total weight	26.3632					

This Document was updated on: **07/30/2025**

Important remarks:

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