

MATERIAL DECLARATION SHEET



Material Number	3700S-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	9.64
				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	0.087	
				Chromium	7440-47-3	18	1.73	
				Nickel	7440-02-0	9	0.87	
				Iron	7439-89-6	69	6.6	
				Molybdenum	7439-98-7	0.6	0.06	
2	Lock Washer	Steel S50CM	0.266	Carbon	7440-44-0	0.5	0.015	2.984
				Chromium	7440-47-3	0.1	0.003	
				Copper	7440-50-8	0.2	0.006	
				Iron	7439-89-6	98.01	2.925	
				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	
		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	16.81	16.81

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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	74.00	4.793	6.48
				Copper	7440-50-8	1.00	0.065	
				Chromium	7440-47-3	21.00	1.360	
				Aluminum	7429-90-5	1.00	0.065	
				Silicon	7440-21-3	1.00	0.065	
				Cobalt	7440-48-4	1.00	0.065	
				Manganese	7439-96-5	1.00	0.065	
5	Varnish	Hi-Thermo	0.109	Alkyd Resin	63148-69-6	99.5	1.219	1.22
				Misc, Not to Declare	N/A	0.50	0.006	
		Pigment	0.006	Basic Violet 11.1	73398-89-7	99.5	0.067	0.07
				Misc. Not to Declare	N/A	0.50	0.0003	
6	Housing	Resin	1.75	Diallyl Phthalate Polymer	25053-15-0	37	7.256	19.612
				Polyester Resin	68604-67-1	1	0.196	
				Calcium Silicate	13983-17-0	7.7	1.510	
				Amorphous Silica	61790-53-2	1.5	0.294	
				Glass Fiber	65997-17-3	41	8.041	
				Alumina Trihydrate	21645-51-2	2.6	0.510	
				Calcium Stearate	1592-23-0	1	0.196	
				Antimony Trioxide	1309-64-4	3.1	0.608	
				Bis (Tetrabromophthalimido) Ethane	32588-76-4	5.1	1.000	
7	Tab 2X	Strip	0.002	Nickel	7440-02-0	100	0.022	0.02
		Silver Alloy A56T	0.192	Silver	7440-22-4	56	1.206	2.154
				Copper	7440-50-8	22	0.474	
				Zinc	7440-66-6	17	0.366	
				Tin	7440-31-5	5	0.108	
				Beryllium	7440-41-7	1.9	0.015	
8	Terminal TR X2	Beryllium Copper Alloy 25	0.07	Nickel	7440-02-0	0.3	0.002	0.784
				Cobalt	7440-48-4	0.3	0.002	
				Iron	7439-89-6	0.3	0.002	

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				Aluminum	7429-90-5	0.1	0.001	
				Silicon	7440-21-3	0.1	0.001	
				Copper	7440-50-8	96.7	0.759	
				Silver	7440-22-4	0.05	0.000	
				Misc, Not to Declare	N/A	0	0.002	
			Nickel Plating	0.0065	Nickel	7440-02-0	100	0.073
	Gold Plating	0.003	Gold	7440-57-5	100	0.034	0.034	
9	Lid Molded	Resin	0.2	Diallyl Phthalate Polymer	25053-15-0	37	0.908	2.454
				Polyester Resin	68604-67-1	1	0.025	
				Calcium Silicate	13983-17-0	8	0.189	
				Amorphous Silica	61790-53-2	2	0.037	
				Glass Fiber	65997-17-3	41	1.006	
				Alumina Trihydrate	21645-51-2	3	0.064	
				Calcium Stearate	1592-23-0	1	0.025	
				Antimony Trioxide	1309-64-4	3	0.076	
	Bis (Tetrabromophthalimido) Ethane	32588-76-4	5	0.125				
10	Bushing	Aluminum 2011-T3	0.651	Aluminum (Metal)	7429-90-5	92.93	6.78	7.295
				Bismuth	7440-69-9	0.4	0.029	
				Copper	7440-50-8	5.5	0.401	
				Iron	7439-89-6	0.345	0.025	
				Lead	7439-92-1	0.4	0.029	
				Silicon	7440-21-3	0.2	0.015	
				Zinc	7440-66-6	0.15	0.011	
				Misc, Not to Declare	N/A	0.075	0.005	
11	Teflon Washer	PTFE	0.0037	Polytetrafluoroethylene	9002-84-0	100	0.041	0.041
12	Teflon Washer	PTFE	0.0047	Polytetrafluoroethylene	9002-84-0	100	0.053	0.053
13	Rotor	Resin	0.45	Glass w/o Declarables	65997-17-3	40	2.017	5.043
				Carbon Black	1333-86-4	1	0.050	
				Polyphenylene Sulfide	26125-40-6	59	2.975	
14	Shaft	Stainless Steel 303	1.45	Carbon	7440-44-0	0.18	0.029	16.25

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				Manganese	7439-96-5	2	0.325	
				Phosphorus	7723-14-0	0.045	0.007	
				Sulfur	7704-34-9	0.03	0.005	
				Silicon	7440-21-3	0.75	0.122	
				Chromium	7440-47-3	17	2.762	
				Nickel	7440-02-0	8	1.300	
				Iron	7439-89-6	71.995	11.699	
15	Slider	Zytel	0.035	Polyamide 66	32131-17-2	60	0.235	0.392
				Glass Fiber	65997-17-3	35	0.137	
				Carbon Black	1333-86-4	5	0.020	
16	Contact Spring	PAL #7	0.0105	Silver	7440-22-4	30	0.035	0.118
				Gold	7440-57-5	10	0.012	
				Copper	7440-50-8	14	0.016	
				Palladium	7440-05-3	35.85	0.042	
				Platinum	7440-06-4	10.145	0.012	
				Misc., Not to Declare	N/A	0.005	0.00001	
17	Pin	Stainless Steel 303	0.005	Carbon	7440-44-0	0.15	0.00008	0.056
				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	0.010	
				Nickel	7440-02-0	9	0.005	
				Iron	7439-89-6	69	0.039	
				Molybdenum	7439-98-7	0.6	0.0003	
18	Collector Bar	Beryllium Copper Alloy 25	0.0280	Beryllium	7440-41-7	1.9	0.0060	0.314
				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	

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				Copper	7440-50-8	96.7	0.303	
				Silver	7440-22-4	0.05	0.0002	
				Misc, Not to Declare	N/A	0.25	0.0008	
		Under Plating	0.001	Nickel	7440-02-0	100	0.0112	0.0112
		Finish Plating	0.001	Gold	7440-57-5	100	0.0112	0.0112
19	Terminal Wiper	Beryllium Copper Alloy 25	0.075	Beryllium	7440-41-7	1.9	0.016	0.840
				Nickel	7440-02-0	0.3	0.003	
				Cobalt	7440-48-4	0.3	0.003	
				Iron	7439-89-6	0.3	0.003	
				Aluminum	7429-90-5	0.1	0.0008	
				Silicon	7440-21-3	0.1	0.0008	
				Copper	7440-50-8	96.7	0.813	
				Silver	7440-22-4	0.05	0.0004	
				Misc, Not to Declare	N/A	0.25	0.002	
		Plating	0.0003	Gold	7440-57-5	100	0.0034	0.0034
20	Cover Molded	Resin	0.521	Diallyl Phthalate Polymer	25053-15-0	37	2.16	5.839
				Polyester Resin	68604-67-1	1	0.06	
				Calcium Silicate	13983-17-0	7.7	0.45	
				Amorphous Silica	61790-53-2	1.5	0.09	
				Glass Fiber	65997-17-3	41	2.39	
				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(Tetrabromophthalimid o)Ethane	32588-76-4	5.1	0.30	
21	Lube	Lube	0.05	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid	68130-53-0	54.4	0.305	0.560
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.032	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.189	

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				Polyisobutylene	9003-27-4	6.2	0.035	
22	Lube	Lube	0.021	Siloxanes and Silicones, Di-Me, Di-Ph	68083-14-7	68.90	0.162	0.235
				Lithium Stearate	4485-12-5	25.40	0.060	
				Silane, Dichlorodimethyl-Reaction Products & Silica	68611-44-9	4.80	0.011	
				Diphenylamine	122-39-4	0.90	0.002	
23	Epoxy	Epoxy	0.035	Epoxy Resin	25085-99-8	49	0.192	0.392
				Antimony Trioxide	1309-64-4	11	0.043	
				Quartz, (SiO2)	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	
24	Epoxy	Epoxy	0.01	Epoxy Resin	25085-99-8	51	0.057	0.112
				Quartz, (SiO2)	14808-60-7	34	0.038	
				Kaolin Clay	1332-58-7	15	0.017	
25	Ink	Ink	0.005	Copolymer of Vinyl Cholride	53710-52-4	93	0.052	0.0560
				Pigment	N/A	7	0.004	
		Total weight	8.9233					

This Document was updated on: **10/28/2025**

Important remarks:

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