

MATERIAL DECLARATION SHEET



Material Number	3400S-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	0.77	1.098
				Zinc	7440-66-6	30	0.33	
		Plating	0.09	Nickel	7440-02-0	100	0.08	0.08
2	Lock washer	C1050 Carbon Steel	0.17	Carbon	7440-44-0	0.5	0.001	0.148
				Iron	7439-89-6	98.7	0.146	
				Manganese	7439-96-5	0.75	0.001	
				Phosphorus	7723-14-0	0.02	0.00003	
				Sulphur	7704-34-9	0.03	0.0000	
		Plating	0.001	Nickel	10101-97-0	100	0.0009	0.001
3	Mandrel Wire	Annealed Copper Wire	13.532	Copper	7440-50-8	100	11.88	11.88
		Coating	0.0003	Polyamide	63428-83-1	100	0.0003	0.0003
4	Resist Wire	Nickel/Chromium Alloy	6.066	Nickel	7440-02-0	74	3.94	5.33
				Copper	7440-50-8	1	0.053	
				Chromium	7440-47-3	21	1.119	
				Aluminum	7429-90-5	1	0.053	
				Silicon	7440-21-3	1	0.053	
				Cobalt	7440-48-4	1	0.053	
				Manganese	7439-96-5	1	0.053	
5	Varnish	Varnish	0.220	Alkyd Resin	63148-69-6	99.5	0.192	0.19

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				Misc, Not to Declare	N/A	0.50	0.001	
			0.025	Basic Violet 11.1	73398-89-7	99.5	0.022	0.022
				Misc. Not to Declare	N/A	0.50	0.0001	
6	Housing	Resin	36.843	Diallyl Phthalate Polymer	25053-15-0	37	11.972	32.36
				Polyester Resin	68604-67-1	1	0.324	
				Calcium silicate	13983-17-0	7.7	2.491	
				Amorphous silica	61790-53-2	1.5	0.485	
				Glass fiber	65997-17-3	41	13.266	
				Alumina trihydrate	21645-51-2	2.6	0.841	
				Calcium stearate	1592-23-0	1	0.324	
				Antimony trioxide	1309-64-4	3.1	1.003	
				Bis(tetrabromophthalimido) ethane	32588-76-4	5.1	1.650	
7	Tab	Strip	0.192	Nickel	7440-02-0	100	0.169	0.17
		Silver Alloy A56T	0.013	Silver	7440-22-4	56	0.007	0.01
				Copper	7440-50-8	22	0.003	
				Zinc	7440-66-6	17	0.002	
				Tin	7440-31-5	5	0.001	
8	Terminal TR X2	Beryllium Copper Alloy 25	0.11	Beryllium	7440-41-7	1.9	0.0018	0.094
				Nickel	7440-02-0	0.3	0.0003	
				Cobalt	7440-48-4	0.3	0.0003	
				Iron	7439-89-6	0.3	0.0003	
				Aluminum	7429-90-5	0.1	0.0001	
				Silicon	7440-21-3	0.1	0.0001	
				Copper	7440-50-8	96.7	0.0909	
				Silver	7440-22-4	0.05	0.00005	
				Misc, not to declare	N/A	0	0.0002	
		Under Plating	0.0065	Nickel	7440-02-0	100	0.0057	0.006
		Finish Plating	0.006	Gold	7440-57-5	100	0.0053	0.005
9	C-Ring	Stainless Steel 420	0.09	Carbon	7440-44-0	0.15	0.00012	0.08
				Manganese	7439-96-5	1	0.00079	

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				Silicon	7740-21-3	1	0.00079	
				Chromium III	7740-47-3	14	0.01107	
				Iron	7439-89-6	83.85	0.06627	
10	Bushing	Aluminum 2011-T3	1.741	Aluminum (Metal)	7429-90-5	92.93	1.42087	1.53
				Bismuth	7440-69-9	0.4	0.00612	
				Copper	7440-50-8	5.5	0.08409	
				Iron	7439-89-6	0.345	0.00527	
				Lead	7439-92-1	0.4	0.00612	
				Silicon	7440-21-3	0.2	0.00306	
				Zinc	7440-66-6	0.15	0.00229	
				Misc, not to declare	N/A	0.075	0.00115	
11	Front Cover	Resin	9.95	Diallyl Phthalate Polymer	25053-15-0	37	3.23315	8.74
				Polyester Resin	68604-67-1	1	0.08738	
				Calcium silicate	13983-17-0	7.7	0.67284	
				Amorphous silica	61790-53-2	1.5	0.13107	
				Glass fiber	65997-17-3	41	3.58268	
				Alumina trihydrate	21645-51-2	2.6	0.22719	
				Calcium stearate	1592-23-0	1	0.08738	
				Antimony trioxide	1309-64-4	3.1	0.27089	
				Bis (Tetrabromophthalimido) Ethane	32588-76-4	5.1	0.44565	
12	Rotor	Nylatron	12.833	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	7.438	11.27
				Glass Fiber	65997-17-3	32	3.606	
				Molybdenum Disulfide	1317-33-5	2	0.225	
13	Shaft	Stainless Steel 303	15.25	Carbon	7440-44-0	0.15	0.020	13.39
				Manganese	7439-96-5	2	0.268	
				Phosphorus	7723-14-0	0.2	0.027	
				Sulfur	7704-34-9	0.15	0.020	

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				Silicon	7440-21-3	0.9	0.121	
				Chromium	7440-47-3	18	2.411	
				Nickel	7440-02-0	9	1.205	
				Iron	7439-89-6	69	9.241	
				Molybdenum	7439-98-7	0.6	0.080	
14	Washer	Stainless Steel 301	0.002	Carbon	7440-44-0	0.15	0.000003	0.0018
				Manganese	7439-96-5	2	0.000035	
				Phosphorus	7723-14-0	0.045	0.000001	
				Sulfur	7704-34-9	0.03	0.000001	
				Silicon	7740-21-3	1	0.000018	
				Chromium	7740-47-3	17	0.000299	
				Nickel	7440-02-0	7	0.000123	
				Iron	7439-89-6	72.775	0.001278	
15	Teflon Washer	PTFE	0.016	Polytetrafluoroethylene	9002-84-0	100	0.014	0.014
16	Pin	Stainless Steel 303	0.02	Carbon	7440-44-0	0.15	0.0000	0.018
				Manganese	7439-96-5	2	0.0004	
				Phosphorus	7723-14-0	0.2	0.0000	
				Sulfur	7704-34-9	0.15	0.0000	
				Silicon	7440-21-3	0.9	0.0002	
				Chromium	7440-47-3	18	0.0032	
				Nickel	7440-02-0	9	0.0016	
				Iron	7439-89-6	69	0.0121	
				Molybdenum	7439-98-7	0.6	0.0001	
17	Slider	Nylon	1	Nylon 6/6	32131-17-2	99.5	0.927	0.932
				Carbon Black	1333-86-4	0.5	0.005	
18	Contact Spring	Palmet (Pal 7)	0.06	Copper	7440-50-8	14	0.007	0.051
				Platinum	7440-06-4	10	0.005	
				Gold	7440-57-5	10	0.005	

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				Silver	7440-22-4	30	0.015	
				Palladium	7440-05-3	35	0.018	
				Zinc	7440-66-6	1	0.0005	
19	Collector Bar	Beryllium Copper Alloy 25	0.33	Beryllium	7440-41-7	1.9	0.0055	0.291
				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	0.00029	
				Silicon	7440-21-3	0.1	0.00029	
				Copper	7440-50-8	96.7	0.28110	
				Silver	7440-22-4	0.05	0.00015	
				Misc, not to declare	N/A	0.25	0.00073	
		Under Plating	0.004	Nickel	7440-02-0	100	0.00351	0.0035
		Finish Plating	0.003	Gold	7440-57-5	100	0.00263	0.0026
20	Collector Ring	Beryllium Copper Alloy 25	1.296	Beryllium	7440-41-7	1.9	0.022	1.138
				Nickel	7440-02-0	0.3	0.0034	
				Cobalt	7440-48-4	0.3	0.0034	
				Iron	7439-89-6	0.3	0.0034	
				Aluminum	7429-90-5	0.1	0.0011	
				Silicon	7440-21-3	0.1	0.0011	
				Copper	7440-50-8	96.7	1.1006	
				Silver	7440-22-4	0.05	0.0006	
				Misc, not to declare	N/A	0.25	0.0028	
		Under Plating	0.015	Nickel	7440-02-0	100	0.0132	0.013
		Finish Plating	0.003	Gold	7440-57-5	100	0.0026	0.003
21	Rear Lid	Resin	9.889	Diallyl Phthalate Polymer	25053-15-0	37	3.21	8.685
				Polyester Resin	68604-67-1	1	0.09	
				Calcium silicate	13983-17-0	7.7	0.67	
				Amorphous silica	61790-53-2	1.5	0.13	
				Glass fiber	65997-17-3	41	3.56	

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				Alumina trihydrate	21645-51-2	2.6	0.23	
				Calcium stearate	1592-23-0	1	0.09	
				Antimony trioxide	1309-64-4	3.1	0.27	
				Bis(tetrabromophthalimido) ethane	32588-76-4	5.1	0.44	
22	Lube	Lube	0.2	Decanoic acid, mixed esters with heptanoic acid, octanoic acid	68130-53-0	54.4	0.096	0.176
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.010	
				Isohexadecyl-isooctadecanoate	52006-45-8	33.7	0.059	
				Polyisobutylene	9003-27-4	6.2	0.011	
23	Lube	Lube	0.0288	Siloxanes and Silicones, di-Me, di-Ph	68083-14-7	68.90	0.0174	0.025
				Lithium Stearate	4485-12-5	25.40	0.0064	
				Silane, Dichlorodimethyl-, reaction products & Silica	68611-44-9	4.80	0.0012	
				Diphenylamine	122-39-4	0.90	0.0002	
24	Epoxy	Epoxy	1.84	Epoxy Resin	25085-99-8	49	0.792	1.616
				Antimony trioxide	1309-64-4	11	0.178	
				Quartz, (SiO ₂)	14808-60-7	11	0.178	
				Aluminum oxide	1344-28-1	11	0.178	
				Kaolin clay	1332-58-7	9	0.145	
				Mg aluminum silicate	1302-88-1	9	0.145	
25	Epoxy	Epoxy	0.71	Epoxy Resin	25085-99-8	51	0.318	0.624
				Quartz, (SiO ₂)	14808-60-7	34	0.212	
				kaolin clay	1332-58-7	15	0.094	

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26	Epoxy	Epoxy		Epoxy resin	25085-99-8	61	0.000	0.000
				Quartz, (SiO2)	14808-60-7	23	0.000	
				kaolin clay	1332-58-7	16	0.000	
27	Ink	Ink	0.005	Copolymer of Vinyl Cholride	53710-52-4	93	0.004	0.0044
				Pigment		7	0.0003	
		Total weight	113.8673					

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.