

MATERIAL DECLARATION SHEET



Material Number	3540S-1-XXXX			
Product Line	Sensors & Controls			
Compliance Date	May 31, 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	4.179	5.97
				Zinc	7440-66-6	30	1.791	
		Plating	0.0900	Nickel	7440-02-0	100	0.4298	0.4298
2	Lock Washer	Carbon Steel C1050	0.17	Carbon	7440-44-0	0.5	0.0040	0.81
				Iron	7439-89-6	98.7	0.7967	
				Manganese	7439-96-5	0.75	0.0061	
				Phosphorus	7723-14-0	0.02	0.00016	
				Sulphur	7704-34-9	0.03	0.0002	
		Plating	0.0001	Nickel	10101-97-0	100	0.0005	0.0005
3	Strap	Nickel Silver Alloy CDA 752	2.30	Copper	7440-50-8	65	7.149	11.00
				Silver	7440-22-4	0.05	0.005	
				Iron	7439-89-6	0.125	0.014	
				Manganese	7439-96-5	0.25	0.027	
				Nickel	7440-02-0	18	1.980	
				Cobalt	7440-48-4	0.5	0.055	
				Lead	7439-92-1	0.025	0.003	
				Zinc (Metal)	7440-66-6	15.8	1.738	
				Misc. not to Declare	System	0.25	0.027	
4	Bushing	Aluminum 2011	1.14	Aluminum (Metal)	7429-90-5	92.93	5.069	5.45
				Bismuth	7440-69-9	0.4	0.022	

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				Copper	7440-50-8	5.5	0.300	
				Iron	7439-89-6	0.345	0.019	
				Lead	7439-92-1	0.4	0.022	
				Silicon	7440-21-3	0.2	0.011	
				Zinc (Metal)	7440-66-6	0.15	0.008	
				Misc, Not to Declare	N/A	0.075	0.004	
		Plating	0.10	Nickel	7440-02-0	100	0.478	0.48
5	Housing	Shinkong	2.54	PBT	26062-94-2	53.7	6.51	12.13
				Glass Fiber	65997-17-3	30	3.64	
				Brominated Epoxy Resin	68928-70-1	10.5	1.27	
				Antimony Trioxide	1309-64-4	3	0.36	
				Pigment Blue 15	147-14-8	0.8	0.10	
				Further Additives, not to Declare	N/A	2	0.24	
6	Element Assy	Mandrel Wire Annealed Copper Wire	2.8	Copper	7440-50-8	100.00	13.37	13.37
		Coating	0.000031	Polyamide	63428-83-1	100.00	0.0001	0.0001
		Resistive Wire Nickel/Chromium Alloy	0.30	Nickel	7440-02-0	74.00	1.06	1.4328
				Copper	7440-50-8	1.00	0.01	
				Chromium	7440-47-3	21.00	0.30	
				Aluminum	7429-90-5	1.00	0.01	
				Silicon	7440-21-3	1.00	0.01	
				Cobalt	7440-48-4	1.00	0.01	
				Manganese	7439-96-5	1.00	0.01	
7	Varnish	Hi-Thermo	0.094	Alkyd Resin	63148-69-6	99.5	0.45	0.45
				Misc, Not to Declare	N/A	0.5	0.0022	

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		Pigment	0.006	Basic Violet 11.1	73398-89-7	99.5	0.0285	0.03
				Misc. Not to Declare	N/A	0.5	0.0001	
8	Terminal Cover Molded	Nylatron	0.24	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	0.76	1.15
				Glass Fiber	65997-17-3	32	0.37	
				Molybdenum Disulfide	1317-33-5	2	0.02	
		Terminal X 2 Nickel Silver Alloy CDA 752	0.08	Copper	7440-50-8	65	0.23	0.36
				Silver	7440-22-4	0.05	0.0002	
				Iron	7439-89-6	0.125	0.0004	
				Manganese	7439-96-5	0.25	0.001	
				Nickel	7440-02-0	18	0.06	
				Cobalt	7440-48-4	0.5	0.002	
				Lead	7439-92-1	0.025	0.0001	
				Zinc (Metal)	7440-66-6	15.8	0.06	
				Misc. not to Declare	System	0.25	0.001	
		Plating	0.01	Gold	7440-57-5	100	0.07	0.07
		Silver Alloy A56T	0.01	Silver	7440-22-4	56	0.035	0.063
				Copper	7440-50-8	22	0.014	
				Zinc	7440-66-6	17	0.011	
				Tin	7440-31-5	5	0.003	
09	Shaft	Brass 360	7.00	Copper	7440-50-8	61.50	20.56	33.43
				Zinc	7440-66-6	35.40	11.83	
				Lead	7439-92-1	3.10	1.04	
		Plating	0.01	Nickel	7440-02-0	100.00	0.05	0.05
10	Rotor Molded	Shinkong	1.16	PBT	26062-94-2	53.7	2.975	5.54
				Glass Fiber	65997-17-3	30	1.662	

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				Brominated Epoxy Resin	68928-70-1	10.5	0.582	
				Antimony Trioxide	1309-64-4	3	0.166	
				Pigment Blue 15	147-14-8	0.8	0.044	
				Further Additives, Not to Declare	N/A	2	0.111	
11	Slider	Shinkong	0.30	PBT	26062-94-2	53.7	0.77	1.43
				Glass Fiber	65997-17-3	30	0.43	
				Brominated Epoxy Resin	68928-70-1	10.5	0.15	
				Antimony Trioxide	1309-64-4	3	0.04	
				Pigment Blue 15	147-14-8	0.8	0.01	
				Further Additives, Not to Declare	N/A	2	0.03	
12	Contact Spring	PAL # 6	0.010	Palladium	7440-05-3	44	0.02	0.05
				Silver	7440-22-4	38	0.018	
				Copper	7440-50-8	16	0.008	
				Platinum	7440-06-4	1	0.0005	
				Nickel	7440-02-0	1	0.0005	
13	Collector Bar	Nickel /Silver C770	0.08	Copper	7440-50-8	65	0.236	0.36
				Silver	7440-22-4	0.05	0.0002	
				Iron	7439-89-6	0.125	0.0005	
				Manganese	7439-96-5	0.25	0.001	
				Nickel	7440-02-0	18	0.065	
				Cobalt	7440-48-4	0.5	0.002	
				Lead	7439-92-1	0.025	0.0001	
				Zinc (Metal)	7440-66-6	15.8	0.0574	
				Misc. not to Declare	System	0.25	0.00091	

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		Plating	0.002	Gold	7440-57-5	100	0.010	0.010
14	Wiper Terminal	Brass C260	0.3	Copper	7440-50-8	70	1.003	1.43
				Zinc	7440-66-6	30	0.430	
		Under Plating	0.012	Nickel	7440-02-0	100	0.057	0.06
		Plating	0.03	Gold	7440-57-5	100	0.143	0.14
15	Cover Molded	Shinkong	0.68	PBT	26062-94-2	53.7	1.744	3.25
				Glass Fiber	65997-17-3	30	0.974	
				Brominated Epoxy Resin	68928-70-1	10.5	0.341	
				Antimony Trioxide	1309-64-4	3	0.097	
				Pigment Blue 15	147-14-8	0.8	0.026	
				Further Additives, Not to Declare	N/A	2	0.065	
16	C Ring	Stainless Steel 420	0.02	Carbon	7440-44-0	0.15	0.00014	0.10
				Silicon	7439-96-5	1.00	0.00096	
				Manganese	7440-21-3	1.00	0.00096	
				Phosphorus	7723-14-0	0.04	0.00004	
				Nickel	7704-34-9	0.30	0.00029	
				Chromium	7440-47-3	14.00	0.01337	
				Iron	7439-89-6	83.51	0.07977	
17	Washer	Stainless Steel 301	0.002	Carbon	7440-44-0	0.15	0.00001	0.01
				Manganese	7439-96-5	2	0.0002	
				Phosphorus	7723-14-0	0.045	0.000004	
				Sulfur	7704-34-9	0.03	0.000003	
				Silicon	7440-21-3	1	0.0001	
				Chromium	7440-47-3	17	0.002	
				Nickel	7440-02-0	7	0.0007	
				Iron	7439-89-6	72.775	0.007	

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18	Lube	Lube	0.08	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.21	0.38
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.02	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.13	
				Polyisobutylene	9003-27-4	6.2	0.02	
19	Lube	Lube	0.07	1-Decene, Tetramer, Mixed With 1-Decene Trimer, Hydorgenated	68649-12-7	58.80	0.20	0.33
				1-Propene, Polymer with Ethene	9010-79-1	30.80	0.10	
				Silica, Amorphous Fumed	112945-52-5	5.40	0.02	
				Polytetrafluoroethylene	9002-84-0	5.00	0.02	
20	Epoxy	Epoxy	0.05	Bisphenol A Diglycidyl Ether Resin Resin	25068-38-6	44	0.11	0.24
				Alumina Trihydrate	21645-51-2	11	0.03	
				Antimony trioxide	1309-64-4	11	0.03	
				Diglycidyl Ether of Polypropylene Glycol	9072-62-2	10.2	0.02	
				Titanium Dioxide	13463-67-7	0.9	0.002	
				Kaolin Clay	1332-58-7	6	0.01	
				Epoxy Resin	67924-34-9	6.1	0.01	
				Magnesium Aluminum Silicate	1302-88-1	9.5	0.02	
				Phthalocyanine Blue	147-14-8	1.3	0.003	
Total, Weight		20.94						

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This Document was updated on: **07/29/2025**

Important remarks:

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