

MATERIAL DECLARATION SHEET



Material Number	3549S-1XG-XXXX			
Product Line	Sensors & Controls			
Compliance Date	January 31, 2007			
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	4.1323	5.9033
				Zinc	7440-66-6	30	1.7710	
		Plating	0.0900	Nickel	7440-02-0	100	0.4250	0.4250
2	Lock Washer	C1050 Carbon Steel	0.17	Carbon	7440-44-0	0.5	0.0040	0.7981
				Iron	7439-89-6	98.7	0.7878	
				Manganese	7439-96-5	0.75	0.0060	
				Phosphorus	7723-14-0	0.02	0.0002	
				Sulphur	7704-34-9	0.03	0.0002	
		Plating	0.0010	Nickel	10101-97-0	100	0.0047	0.0047
3	Lid Molded	Bushings Bronze 544	3.15	Copper	7440-50-8	88.7	13.1954	14.8764
				Iron	7439-89-6	0.05	0.0074	
				Phosphorus	7723-14-0	0.25	0.0372	
				Lead	7439-92-1	3.8	0.5579	
				Tin	7440-31-5	4.0	0.5951	
				Zinc	7440-66-6	3	0.4463	
				Misc, not to Declare	N/A	0.25	0.0372	
		Shinkong	0.836	PBT	26062-94-2	54.25	2.1419	3.9481
				GF-Fibre ISO 1043-2	65997-17-3	30	1.1844	

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				Halogenated Compound ISO 1043-4, not Declarable	N/A	9	0.3553	
				Antimonytrioxide	1309-64-4	3.5	0.1382	
				Carbon Black	1333-86-4	1.25	0.0494	
				Additives, not to Declare	N/A	2	0.0790	
4	Housing	ShinKong	3.032	PBT	26062-94-2	54.25	7.7681	14.32
				GF-Fibre ISO 1043-2	65997-17-3	30	4.2957	
				Halogenated Compound ISO 1043-4, not Declarable	N/A	9	1.2887	
				Antimonytrioxide	1309-64-4	3.5	0.5012	
				Carbon Black	1333-86-4	1.25	0.1790	
				Additives, not to Declare	N/A	2	0.2864	
5	Element Assy	Mandrel Wire Annealed Copper Wire	2.03	Copper	7440-50-8	100	9.59	9.59
		Coating	0.000083	Polyamide	63428-83-1	100	0.0004	0.0004
		Resist Wire Nickel-Chromium Alloy	0.523	Nickel	7440-02-0	74	1.83	2.47
				Copper	7440-50-8	1	0.0247	
				Chromium	7440-47-3	21	0.5187	
				Aluminum	7429-90-5	1	0.0247	
				Silicon	7440-21-3	1	0.0247	
				Cobalt	7440-48-4	1	0.0247	
				Manganese	7439-96-5	1	0.0247	
6	Varnish	Hi-Thermo	0.094	Alkyd Resin	63148-69-6	99.5	0.44	0.44
				Misc, Not to Declare	N/A	0.5	0.0022	0.03
		Pigment.	0.006	Basic Violet 11.1	73398-89-7	99.5	0.0282	
				Misc. Not to Declare	N/A	0.5	0.0001	
7	Terminal Cover	Nylatron	0.109	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	0.34	0.51

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8	T.R. Terminal x2	Nickel/Silver C752	0.0905	Glass Fiber	65997-17-3	32	0.16	0.43
				Molybdenum Disulfide	1317-33-5	2	0.01	
				Copper	7440-50-8	65.00	0.278	
				Nickel	7440-02-0	18.00	0.077	
		Silver Alloy A56T	0.0001	Zinc	7440-66-6	17.00	0.073	0.0005
				Silver	7440-22-4	56.00	0.0003	
				Copper	7440-50-8	22.00	0.0001	
				Zinc	7440-66-6	17.00	0.00008	
				Tin	7440-31-5	5.00	0.00002	
		Plating	0.0003	Gold	7440-57-5	100.00	0.0014	0.0014
9	Shaft	Stainless Steel. 303	7.032	Carbon	7440-44-0	0.15	0.050	33.21
				Manganese	7439-96-5	2	0.664	
				Phosphorus	7723-14-0	0.2	0.066	
				Sulfur	7704-34-9	0.15	0.050	
				Silicon	7440-21-3	0.9	0.299	
				Chromium	7440-47-3	18	5.978	
				Nickel	7440-02-0	9	2.989	
				Iron	7439-89-6	69	22.915	
				Molybdenum	7439-98-7	0.6	0.199	
10	Rotor Molded	Nylatron	1.102	Nylon 6.6 Polyhexamethylene Adipamide)	32131-17-2	66	3.43	5.20
				Glass Fiber	65997-17-3	32	1.67	
				Molybdenum Disulfide	1317-33-5	2	0.104	
11	Slider Molded	Nylatron	0.205	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	0.64	0.97
				Glass Fiber	65997-17-3	32	0.31	
				Molybdenum Disulfide	1317-33-5	2	0.02	
12	Contact Spring	Paliney #6	0.003	Palladium	7440-05-3	44	0.01	0.01
				Silver	7440-22-4	38	0.01	
				Copper	7440-50-8	16	0.002	
				Platinum	7440-06-4	1	0.0001	

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				Nickel	7440-02-0	1	0.000	
		Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.88	0.034416	0.05
				Lead	7439-92-1	0.03	0.000012	
				Iron	7439-89-6	0.3	0.000142	
				Nickel	7440-02-0	21	0.009918	
				Cobalt	7440-48-4	0.25	0.000118	
				Tin	7440-31-5	5.1	0.002409	
				Manganese	7439-96-5	0.3	0.000142	
				Misc	Not to declare	0.15	0.000071	
13	Collector Bar.	Nickel/Silver C770	0.074	Copper	7440-50-8	59	0.206	0.35
				Nickel	7440-02-0	12	0.04	
				Zinc	7440-66-6	29	0.1013	
		Plating	0.0009	Gold	7440-57-5	100	0.004	0.004
14	Terminal Wiper	Brass C260	0.3810	Copper	7440-50-8	70	1.260	1.80
				Zinc	7440-66-6	30	0.54	
		Under Plating	0.0120	Nickel	7440-02-0	100	0.06	0.06
		Finish Plating	0.0026	Gold	7440-57-5	100	0.01	0.01
15	Cover	Nylatron	0.812	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66.00	2.531	3.83
				Glass Fiber	65997-17-3	32.00	1.227	
				Molybdenum Disulfide	1317-33-5	2.00	0.077	
16	O-Ring X2	O-Ring	0.03	Silicon Rubber	63394-02-5	100.00	0.142	0.14
17	C-Ring	Stainless Steel 420	0.014	Carbon	7440-44-0	0.31	0.00020	0.07
				Silicon	7440-21-3	0.44	0.0003	
				Manganese	7439-96-5	0.45	0.0003	
				Phosphorus	7723-14-0	0.02	0.00001	
				Sulfur	7704-34-9	0.01	0.00000	
				Nickel	7440-02-0	0.23	0.00015	
				Chromium	7440-47-3	13.15	0.009	

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				Iron	7439-89-6	85.40	0.056	
18	Washer	Stainless Steel 301	0.001	Carbon	7440-44-0	0.15	0.00001	0.005
				Manganese	7439-96-5	2	0.0001	
				Phosphorus	7723-14-0	0.05	0.000002	
				Sulfur	7704-34-9	0.03	0.000001	
				Silicon	7440-21-3	1	0.0000	
				Chromium	7440-47-3	17	0.001	
				Nickel	7440-02-0	7	0.000	
				Iron	7439-89-6	72.78	0.003	
19	Washer	Stainless Steel 301	0.001	Carbon	7440-44-0	0.15	0.00001	0.005
				Manganese	7439-96-5	2	0.00009	
				Phosphorus	7723-14-0	0.05	0.000002	
				Sulfur	7704-34-9	0.03	0.000001	
				Silicon	7440-21-3	1	0.00005	
				Chromium	7440-47-3	17	0.00080	
				Nickel	7440-02-0	7	0.00033	
				Iron	7439-89-6	72.78	0.00344	
20	Lube	Lube	0.009	Dimethylsilicone	63148-62-9	87	0.037	0.04
				Silicon dioxide	7631-86-9	10	0.004	
				Further Additives, not to declare	N/A	3	0.001	
21	Lube	Lube	0.009	1-Decene, Tetramer, Mixed with 1-Decene Trimer, Hydorgenated	68649-12-7	58.8	0.0250	0.04
				1-Propene, Polymer with Ethene	9010-79-1	30.8	0.0131	
				Silica, Amorphous Fumed	112945-52-5	5.4	0.0023	
				Polytetrafluoroethylene	9002-84-0	5	0.0021	
22	Lube	Lube	0.09	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.23	0.43
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.024	

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				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.14	
				Polyisobutylene	9003-27-4	6.2	0.026	
23	Epoxy	Epoxy	0.005	Bisphenol A Diglycidyl Ether Resin	25068-38-6	44	0.01039	0.02361
				Alumina Trihydrate	21645-51-2	11	0.00260	
				Antimony Trioxide	1309-64-4	11	0.00260	
				Diglycidyl Ether of Polypropylene Glycol	9072-62-2	10.2	0.00241	
				Titanium Dioxide	13463-67-7	0.9	0.00021	
				Kaolin Clay	1332-58-7	6	0.00142	
				Epoxy Resin	67924-34-9	6.1	0.00144	
				Magnesium Aluminum Silicate	1302-88-1	9.5	0.002243	
				Phthalocyanine Blue	147-14-8	1.3	0.000307	
		Total weight	21.1745					

This Document was updated on: **07/28/2025**

Important remarks:

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