

MATERIAL DECLARATION SHEET



Material Number	3549H-1XA-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	4.13	5.90
				Zinc	7440-66-6	30	1.77	
		Plating	0.0900	Nickel	7440-02-0	100	5.90	0.42
2	Lock Washer	Carbon Steel C1050	0.17	Carbon	7440-44-0	0.5	0.004	0.80
				Iron	7439-89-6	98.7	0.79	
				Manganese	7439-96-5	0.75	0.006	
				Phosphorus	7723-14-0	0.02	0.0002	
				Sulphur	7704-34-9	0.03	0.00	
		Plating	0.0001	Nickel	7440-02-0	100	0.80	0.0005
3	Lid Molded	Bushing Brass 360	3.33	Copper	7440-50-8	61.5	9.66	15.71
				Iron	7439-89-6	0.2	0.03	
				Lead	7439-92-1	3.0	0.47	
				Zinc	7440-66-6	35	5.50	
				Misc, not to Declare	N/A	0.3	0.05	
		Shinkong	0.833	PBT	26062-94-2	54.25	2.132	3.93
				GF-Fibre ISO 1043-2	65997-17-3	30	1.179	
				Halogenated Compound ISO 1043-4, not Declarable	N/A	9	0.354	

MATERIAL DECLARATION SHEET



				Antimonytrioxide	1309-64-4	3.5	0.138	
				Carbon Black	1333-86-4	1.25	0.049	
				Additives, not to Declare	N/A	2	0.079	
4	Housing	ShinKong	3.032	PBT	26062-94-2	54.25	7.76	14.31
				GF-Fibre ISO 1043-2	65997-17-3	30	4.29	
				Halogenated Compound ISO 1043-4, not Declarable	N/A	9	1.29	
				Antimonytrioxide	1309-64-4	3.5	0.5007	
				Carbon Black	1333-86-4	1.25	0.1788	
				Additives, not to Declare	N/A	2	0.2861	
5	Element Assy	Ink.	0.35	Formaldehyde, Polymer with 3-Chloro-1-Propene & Phenol	28470-78-2	34.2	0.56	1.65
				Diallyl iso-Phthalate	1087-21-4	34.8	0.57	
				Carbon Black	1333-86-4	10.4	0.17	
				Benzenetrimethanol, ar-(2-Propen-1-Yloxy)-	64051-40-7	6.78	0.11	
				Benzenedimethanol, ar-(2-Propen-1-Yloxy)-	28655-63-2	4.5	0.07	
				Graphite	7782-42-5	4.8	0.08	
				Alkyl Glycidyl Ether	68609-97-2	3.8	0.06	
				Acrylic Polymer	63148-62-9	0.72	0.01	
6	Mandrel Wire	Annealed Copper Wire	2.03	Copper	7440-50-8	100	9.58	9.58
		Coating	0.000083	Polyamide	63428-83-1	100	0.0004	0.0004
7	Resist Wire	Nickel-Chromium Alloy	0.2137	Nickel	7440-02-0	74	0.75	1.01
				Copper	7440-50-8	1	0.0101	
				Chromium	7440-47-3	21	0.2117	
				Aluminum	7429-90-5	1	0.0101	
				Silicon	7440-21-3	1	0.0101	
				Cobalt	7440-48-4	1	0.0101	

MATERIAL DECLARATION SHEET



				Manganese	7439-96-5	1	0.0101	
8	Varnish	Hi-Thermo	0.094	Alkyd Resin	63148-69-6	99.5	0.44	0.44
				Misc, Not to Declare	N/A	0.05	0.0002	
		Pigment	0.006	Basic Violet 11.1	73398-89-7	99.5	0.0282	0.03
				Misc. Not to Declare	N/A	0.05	0.0000	
9	Terminal Cover	Nylatron	0.109	Nylon 6.6 Polyhexamethylene Adipamide	32131-17-2	66	0.34	0.51
				Glass Fiber	65997-17-3	32	0.16	
				Molybdenum Disulfide	1317-33-5	2	0.01	
10	T.R. Terminal x2	Nickel/Silver C752	0.0905	Copper	7440-50-8	65.00	0.278	0.43
				Nickel	7440-02-0	18.00	0.077	
				Zinc	7440-66-6	17.00	0.073	
		Silver Alloy A56T	0.0001	Silver	7440-22-4	56.00	0.0003	0.0005
				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
11	Shaft	Brass 360	6.821	Copper	7440-50-8	61.5	9.66	32.18
				Iron	7439-89-6	0.2	0.03	
				Lead	7439-92-1	3.0	0.47	
				Zinc	7440-66-6	35	5.50	
				Misc, not to Declare	N/A	0.3	0.05	
12	Rotor Molded	Nylatron	1.154	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	3.59	5.44
				Glass Fiber	65997-17-3	32	1.74	
				Molybdenum Disulfide	1317-33-5	2	0.109	

MATERIAL DECLARATION SHEET



13	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	
14	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	
				Nickel	7440-02-0	1	0.000	
		Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.875	0.034384	0.05
				Lead	7439-92-1	0.025	0.000012	
				Iron	7439-89-6	0.3	0.000142	
				Nickel	7440-02-0	21	0.009908	
				Cobalt	7440-48-4	0.25	0.000118	
				Tin	7440-31-5	5.1	0.002406	
				Manganese	7439-96-5	0.3	0.000142	
				Misc	Not to declare	0.15	0.000071	
15	Collector Bar	Nickel/Silver C762	0.074	Copper	7440-50-8	55	0.192	0.35
				Nickel	7440-02-0	18	0.06	
				Zinc	7440-66-6	27	0.0943	
		Plating	0.0009	Gold	7440-57-5	100	0.004	0.004
16	Terminal Wiper	Brass C260	0.3810	Copper	7440-50-8	70	1.258	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
17	Cover Molded	Nylatron	0.812	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66.00	2.529	3.83
				Glass Fiber	65997-17-3	32.00	1.226	

MATERIAL DECLARATION SHEET



				Molybdenum Disulfide	1317-33-5	2.00	0.077	
18	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	
				Iron	7439-89-6	85.40	0.056	
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	0.045	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	72.775	0.00343	
20	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	0.045	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	72.775	0.00343	
21	Lube	Lube	0.009	1-Decene, Tetramer, Mixed with 1-Decene Trimer, Hydorgenated	68649-12-7	58.8	0.024969	0.04
				1-Propene, Polymer with Ethene	9010-79-1	30.8	0.013079	

MATERIAL DECLARATION SHEET



				Silica, Amorphous Fumed	112945-52-5	5.4	0.002293	
				Polytetrafluoroethylene	9002-84-0	5	0.002123	
22	Lube	Lube	0.09	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.23	
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.024	0.42
				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	0.01038	
				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 Alumino Silicate	1302-88-1	9.5	0.002241	
				Phthalocyanine Blue	147-14-8	1.3	0.000307	
			Total, weight	21.1943				

This Document was updated on: **07/24/2025**

Important remarks:

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