

MATERIAL DECLARATION SHEET



Material Number	3541H-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	4.20	6.0
				Zinc	7440-66-6	30	1.80	
		Plating	0.0900	Nickel	7440-02-0	100	0.43	0.4
2	Lock Washer	Carbon Steel 1 C1050	0.17	Carbon	7440-44-0	0.5	0.004	0.81
				Iron	7439-89-6	98.7	0.80	
				Manganese	7439-96-5	0.75	0.01	
				Phosphorus	7723-14-0	0.02	0.0002	
				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	7.18	11.05
				Silver	7440-22-4	0.05	0.01	
				Iron	7439-89-6	0.125	0.01	
				Manganese	7439-96-5	0.25	0.03	
				Nickel	7440-02-0	18	1.99	
				Cobalt	7440-48-4	0.5	0.06	
				Lead	7439-92-1	0.025	0.003	
				Zinc (Metal)	7440-66-6	15.8	1.75	
				Misc. not to Declare	System	0.25	0.03	
4	Bushing	Aluminum 2011	1.14	Aluminum (Metal)	7429-90-5	92.93	5.09	5.48
				Bismuth	7440-69-9	0.4	0.02	

MATERIAL DECLARATION SHEET



				Copper	7440-50-8	5.5	0.30	
				Iron	7439-89-6	0.345	0.02	
				Lead	7439-92-1	0.4	0.02	
				Silicon	7440-21-3	0.2	0.01	
				Zinc (Metal)	7440-66-6	0.15	0.01	
				Misc, Not to Declare	N/A	0.075	0.004	
		Plating	0.10	Nickel	7440-02-0	100	0.48	0.48
5	Housing	Shinkong	2.54	PBT	26062-94-2	53.7	6.55	12.19
				Glass Fiber	65997-17-3	30	3.66	
				Brominated Epoxy Resin	68928-70-1	10.5	1.28	
				Antimony Trioxide	1309-64-4	3	0.37	
				Pigment Blue 15	147-14-8	0.8	0.10	
				Further Additives, not to Declare	N/A	2	0.24	
6	Ink	Ink	0.07	Formaldehyde, polymer and 3-chloro-1-Propene & Phenol	28470-78-2	36	0.12	0.34
				Diallyl iso-Phthalate	1087-21-4	36.6	0.12	
				Carbon Black	1333-86-4	11	0.04	
				Benzenethimethanol, ar-(2-Propenyloxy)-	64051-40-7	7	0.02	
				Benzenethimethanol, ar-(2-Propenyloxy)-	28655-63-2	4.7	0.02	
				Alkyl Glycidyl Ether	68609-97-2	3.95	0.01	
				Acrylic Polymer	63148-62-9	0.75	0.003	
7	Mandrel Wire	Annealed Copper Wire	2.8	Copper	7440-50-8	100.00	13.44	13.44
		Coating	0.000031	Polyamide	63428-83-1	100.00	0.0001	0.0001
8	Resistive Wire	Nickel/Chromium Alloy	0.30	Nickel	7440-02-0	74.00	1.07	1.44
				Copper	7440-50-8	1.00	0.01	

MATERIAL DECLARATION SHEET



				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	
9	Varnish	Hi-Thermo	0.094	Alkyd Resin	63148-69-6	99.5	0.45	0.45
				Misc, Not to Declare	N/A	0.5	0.002	
		Pigment	0.006	Basic Violet 11.1	73398-89-7	99.5	0.03	0.03
				Misc. Not to Declare	N/A	0.5	0.0001	
10	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	0.04	0.06
				Copper	7440-50-8	22	0.01	
				Zinc	7440-66-6	17	0.01	
				Tin	7440-31-5	5	0.003	

MATERIAL DECLARATION SHEET



11	Shaft	Brass 360	7.00	Copper	7440-50-8	61.50	20.66	33.59
				Zinc	7440-66-6	35.40	11.89	
				Lead	7439-92-1	3.10	1.04	
		Plating	0.01	Nickel	7440-02-0	100.00	0.05	0.05
12	Rotor Molded	Shinkong	1.16	PBT	26062-94-2	53.7	2.99	5.57
				Glass Fiber	65997-17-3	30	1.67	
				Brominated Epoxy Resin	68928-70-1	10.5	0.58	
				Antimony Trioxide	1309-64-4	3	0.17	
				Pigment Blue 15	147-14-8	0.8	0.04	
				Further Additives, Not to Declare	N/A	2	0.11	
13	Slider	Shinkong	0.15	PBT	26062-94-2	53.7	0.39	0.72
				Glass Fiber	65997-17-3	30	0.22	
				Brominated Epoxy Resin	68928-70-1	10.5	0.08	
				Antimony Trioxide	1309-64-4	3	0.02	
				Pigment Blue 15	147-14-8	0.8	0.01	
				Further Additives, Not to Declare	N/A	2	0.01	
14	Contact Spring	PAL # 7	0.005	Silver	7440-22-4	30.00	0.01	0.02
				Gold	7440-57-5	10.00	0.002	
				Copper	7440-50-8	14.00	0.003	
				Palladium	7440-05-3	35.85	0.01	
				Platinum	7440-06-4	10.145	0.002	
				Misc., not to Declare	N/A	0.005	0.000001	
15	Collector Bar	Nickel /Silver C770	0.06	Copper	7440-50-8	65	0.20	0.30
				Silver	7440-22-4	0.05	0.0002	

MATERIAL DECLARATION SHEET



				Iron	7439-89-6	0.125	0.0004	
				Manganese	7439-96-5	0.25	0.001	
				Nickel	7440-02-0	18	0.05	
				Cobalt	7440-48-4	0.5	0.002	
				Lead	7439-92-1	0.025	0.0001	
				Zinc (Metal)	7440-66-6	15.8	0.05	
				Misc. not to Declare	System	0.25	0.001	
		Plating	0.002	Gold	7440-57-5	100	0.01	0.01
16	Wiper Terminal	Brass C260	0.3	Copper	7440-50-8	70	1.01	1.44
				Zinc	7440-66-6	30	0.43	
		Under Plating	0.012	Nickel	7440-02-0	100	0.06	0.06
		Plating	0.03	Gold	7440-57-5	100	0.14	0.14
17	Cover Molded	Shinkong	0.68	PBT	26062-94-2	53.7	1.75	3.26
				Glass Fiber	65997-17-3	30	0.98	
				Brominated Epoxy Resin	68928-70-1	10.5	0.34	
				Antimony Trioxide	1309-64-4	3	0.10	
				Pigment Blue 15	147-14-8	0.8	0.03	
				Further Additives, Not to Declare	N/A	2	0.07	
18	C Ring	Stainless Steel 420	0.02	Carbon	7440-44-0	0.15	0.0001	0.10
				Silicon	7439-96-5	1.00	0.001	
				Manganese	7440-21-3	1.00	0.001	
				Phosphorus	7723-14-0	0.04	0.00004	
				Nickel	7704-34-9	0.30	0.0003	
				Chromium	7440-47-3	14.00	0.01	
				Iron	7439-89-6	83.51	0.08	

MATERIAL DECLARATION SHEET



19	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	0.001	
				Iron	7439-89-6	72.775	0.01	
20	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	
21	Lube	Lube	0.07	1-Decene, Tetramer, Mixed With 1-Decene Trimer, Hydorgenated	68649-12-7	58.80	0.20	0.34
				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	
22	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	

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				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	20.84				

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.