


MATERIAL DECLARATION SHEET



Material Number	3548H-1XE-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	Lid Molded	Brass 360	4.096	Copper	7440-50-8	61.5	12.83	20.8666
				Iron	7439-89-6	0.2	0.04	
				Lead	7439-92-1	3.0	0.63	
				Zinc	7440-66-6	35	7.30	
				Misc, Not to Declare	Proprietary	0.3	0.06	
		Resin	0.836	PBT	26062-94-2	54.25	2.3105	4.26
				GF-Fiber ISO 1043-2	65997-17-3	30	1.2777	
				Halogenated Compound ISO 1043-4, Not Declarable	Proprietary	9	0.3833	
				Antimonytrioxide	1309-64-4	3.5	0.1491	
				Carbon Black	1333-86-4	1.25	0.0532	
Additives, Not to Declare	Proprietary	2	0.0852					
2	Housing	Resin	3.032	PBT	26062-94-2	54.25	8.3796	15.45
				GF-Fibre ISO 1043-2	65997-17-3	30	4.6339	
				Halogenated Compound ISO 1043-4, Not Declarable	Proprietary	9	1.3902	
				Antimonytrioxide	1309-64-4	3.5	0.5406	
				Carbon Black	1333-86-4	1.25	0.1931	
				Additives, Not to Declare	Proprietary	2	0.3089	

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3	Element	Ink 138	0.35	Formaldehyde, Polymer With 3-Chloro-1-Propene & Phenol	28470-78-2	34.2	0.6098	1.78
				Diallyl Iso-Phthalate	1087-21-4	34.8		
				Carbon Black	1333-86-4	10.4		
				Benzenetrimethanol, Ar-(2-Propen-1-Yloxy)-	64051-40-7	6.78		
				Benzenedimethanol, Ar-(2-Propen-1-Yloxy)-	28655-63-2	4.5		
				Graphite	7782-42-5	4.8	0.0856	
				Alkyl Glycidyl Ether	68609-97-2	3.8	0.0678	
				Acrylic Polymer	63148-62-9	0.72	0.0128	
4	Mandrel	Wire	1.015	Copper	7440-50-8	100	5.17	5.17
		Coating	0.0000415	Polyamide	63428-83-1	100	0.0002	0.0002
5	Resist	Nickel-Chromium Alloy	0.261	Nickel	7440-02-0	74	0.98	1.33
				Copper	7440-50-8	1	0.0133	
				Chromium	7440-47-3	21	0.2792	
				Aluminum	7429-90-5	1	0.0133	
				Silicon	7440-21-3	1	0.0133	
				Cobalt	7440-48-4	1	0.0133	
				Manganese	7439-96-5	1	0.0133	
6	Varnish	Hi-Thermo	0.047	Alkyd Resin	63148-69-6	99.5	0.24	0.24
				Misc, Not to Declare	Proprietary	0.5	0.0012	
		Corona Pigment	0.003	Basic Violet 11.1	73398-89-7	99.5	0.0152	0.02
				Misc. Not to Declare	Proprietary	0.5	0.0001	
7	Terminal Cover	Resin	0.109	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	0.37	0.56
				Glass Fiber	65997-17-3	32	0.18	
				Molybdenum Disulfide	1317-33-5	2	0.01	
8	T.R. Terminal x2	Nickel/Silver C752	0.0905	Copper	7440-50-8	65.00	0.300	0.46
				Nickel	7440-02-0	18.00	0.083	
				Zinc	7440-66-6	17.00	0.078	
		Silver Alloy	0.0001	Silver	7440-22-4	56.00	0.0003	0.0005

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		A56T		Copper	7440-50-8	22.00	0.0001	
				Zinc	7440-66-6	17.00	0.00009	
		Plating	0.0003	Tin	7440-31-5	5.00	0.00003	
				Gold	7440-57-5	100.00	0.0015	
9	Tab	Strip	0.192	Nickel	7440-02-0	100	0.98	0.98
				Silver Alloy A56T	0.013	Silver	7440-22-4	56
		Copper	7440-50-8	22		0.015		
		Zinc	7440-66-6	17		0.01		
		Tin	7440-31-5	5	0.003			
10	Lid Servo	Aluminum 2011	4.2	Aluminum (Metal)	7429-90-5	92.93	19.8837	21.3964
				Bismuth	7440-69-9	0.4	0.0856	
				Copper	7440-50-8	5.5	1.17680	
				Iron	7439-89-6	0.345	0.07382	
				Lead	7439-92-1	0.4	0.08559	
				Silicon	7440-21-3	0.2	0.04279	
				Zinc (Metal)	7440-66-6	0.15	0.03209	
				Misc, Not to Declare	Proprietary	0.075	0.01605	
11	Bearing Ball	Ball Bearing	0.303	Carbon	7440-44-0	1	0.01544	1.54
				Chromium	7440-47-3	16.20	0.25006	
				Iron	7439-89-6	81.3	1.25495	
				Manganese	7439-96-5	0.37	0.00571	
				Molybdenum	7439-98-7	0.45	0.00695	
				Phosphorus	7723-14-0	0.027	0.00042	
				Sulphur	7704-34-9	0.003	0.00005	
				Silicon	7440-21-3	0.4	0.00617	
				Nickel	7440-02-0	0.2	0.00309	
				Copper	7440-50-8	0.05	0.00077	
		Lube	0.001	Ester Oil, Synthetic, for Lubricants	Proprietary	94	0.00479	0.005

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				Barium Bis (Dinonylnaphthalenesulphonate)	25619-56-1	2.5	0.00013		
				Further Additives, Not to Declare	Proprietary	3.5	0.00018		
12	Shaft	S.S. 303	1.712	Carbon	7440-44-0	0.15	0.01308	8.72	
				Manganese	7439-96-5	2	0.17443		
				Phosphorus	7723-14-0	0.2	0.01744		
				Sulfur	7704-34-9	0.15	0.01308		
				Silicon	7440-21-3	0.9	0.07849		
				Chromium	7440-47-3	18	1.56989		
				Nickel	7440-02-0	9	0.78494		
				Iron	7439-89-6	69	6.01790		
				Molybdenum	7439-98-7	0.6	0.05233		
13	Rotor	Resin	0.832	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	2.80	4.24	
				Glass Fiber	65997-17-3	32	1.36		
				Molybdenum Disulfide	1317-33-5	2	0.085		
	Rotor	Aluminum 2011	0.843	0.843	Aluminum (Metal)	7429-90-5	92.93	3.9909	4.29
					Bismuth	7440-69-9	0.4	0.0172	
					Copper	7440-50-8	5.5	0.2362	
					Iron	7439-89-6	0.345	0.0148	
					Lead	7439-92-1	0.4	0.0172	
					Silicon	7440-21-3	0.2	0.0086	
					Zinc (Metal)	7440-66-6	0.15	0.0064	
					Misc, Not to Declare	Proprietary	0.075	0.0032	
14	Slider	Resin	0.287	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	0.96	1.46	
				Glass Fiber	65997-17-3	32	0.47		
				Molybdenum Disulfide	1317-33-5	2	0.03		

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15	Contact Spring	Paliney #6	0.003	Palladium	7440-05-3	44	0.01	0.02
				Silver	7440-22-4	38	0.01	
				Copper	7440-50-8	16	0.002	
				Platinum	7440-06-4	1	0.0002	
				Nickel	7440-02-0	1	0.0002	
		Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.875	0.037	0.05
				Lead	7439-92-1	0.025	0.000013	
				Iron	7439-89-6	0.3	0.00015	
				Nickel	7440-02-0	21	0.011	
				Cobalt	7440-48-4	0.25	0.00013	
				Tin	7440-31-5	5.1	0.0026	
				Manganese	7439-96-5	0.3	0.00015	
		Misc	Proprietary	0.15	0.00008			
16	Collector Bar	Nickel/Silver C770	0.074	Copper	7440-50-8	59	0.22	0.38
				Nickel	7440-02-0	12	0.05	
				Zinc	7440-66-6	29	0.1093	
		Plating	0.0009	Gold	7440-57-5	100	0.005	0.005
17	Terminal Wiper	Brass C260	0.3810	Copper	7440-50-8	70	1.359	1.94
				Zinc	7440-66-6	30	0.58	
		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
18	Cover	Resin	0.812	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66.00	2.730	4.14
				Glass Fiber	65997-17-3	32.00	1.324	
				Molybdenum Disulfide	1317-33-5	2.00	0.083	
19	C-Ring	Stainless Steel 420	0.016	Carbon	7440-44-0	0.31	0.00025	0.08
				Silicon	7440-21-3	0.44	0.0004	
				Manganese	7439-96-5	0.45	0.0004	
				Phosphorus	7723-14-0	0.02	0.00001	
				Sulfur	7704-34-9	0.01	0.000004	

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				Nickel	7440-02-0	0.23	0.00019	
				Chromium	7440-47-3	13.15	0.011	
				Iron	7439-89-6	85.40	0.070	
20	Lube	Lube	0.09	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.25	0.46
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.026	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.15	
				Polyisobutylene	9003-27-4	6.2	0.028	
21	Epoxy	Epoxy	0.005	Bisphenol A Diglycidyl Ether Resin	25068-38-6	44	0.011	0.02547
				Alumina Trihydrate	21645-51-2	11	0.003	
				Antimony Trioxide	1309-64-4	11	0.003	
				Diglycidyl Ether of Polypropylene Glycol	9072-62-2	10.2	0.003	
				Titanium Dioxide	13463-67-7	0.9	0.0002	
				Kaolin Clay	1332-58-7	6	0.002	
				Epoxy Resin	67924-34-9	6.1	0.002	
				Magnesium Alumino Silicate	1302-88-1	9.5	0.002	
				Phthalocyanine Blue	147-14-8	1.3	0.0003	
		Total weight	19.6294					

This Document was updated on: **04/15/2026**

Important remarks:

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