


# MATERIAL DECLARATION SHEET



Material Number	3547H-1xA-xxxx 3547H-1xB-xxxx			
Product Line	Sensors & Controls			
Compliance Date	2/12/2025			
RoHs Compliant	Yes	MSL	N/A	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material	CASRN	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substances	if applicable			
1	Hex Nut	Brass C260	0.0819	Copper	7440-50-8	70	0.194	0.28
				Zinc	7440-66-6	30	0.0831	
		Plating	0.0001	Nickel	7440-02-0	100	0.0003	0.0003
2	Lockwasher	Stainless Steel 304	0.05	Carbon	7440-44-0	0.18	0.0003	0.17
				Manganese	7439-96-5	2	0.003	
				Phosphorus	7723-14-0	0.045	0.00008	
				Sulfur	7704-34-9	0.03	0.00005	
				Silicon	7440-21-3	0.75	0.001	
				Chromium	7440-47-3	17	0.03	
				Nickel	7440-02-0	8	0.01	
				Iron	7439-89-6	71.995	0.12	
		Plating	0.0001	Nickel	7440-02-0	100	0.0003	0.0003
3	Terminal Wiper	Brass C260	0.3000	Copper	7440-50-8	70	0.194	1.01
				Zinc	7440-66-6	30	0.30	
		Under Plating	0.0120	Nickel	7440-02-0	100	0.041	
		Finish Plating	0.0274	Gold	7440-57-5	100	0.093	
4	Cover	GS-51 Nylatron	1.642004	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.67	5.56
				Glass Fiber	65997-17-3	32	1.78	

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				Molybdenum Disulfide	1317-33-5	2	0.11	
5	Housing	ShinKong compound (Black)	7.893	PBT	26062-94-2	53.7	14.34	26.70
				Glass Fiber	65997-17-3	30	8.0109	
				Brominated Epoxy Resin	68928-70-1	10.5	2.8038	
				Antimony Trioxide	1309-64-4	3	0.8011	
				Pigment Blue 15	147-14-8	0.8	0.2136	
				Further Additives, not to declare	N/A	2	0.5341	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1759	0.18
7	Mandrel Wire	Annealed Copper Wire	1.6848122	Copper	7440-50-8	100	5.70	5.70
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00011	0.0001
8	Resist Wire	Nickel/Chromium Alloy	0.21346	Nickel	7440-02-0	74	0.53	0.72
				Copper	7440-50-8	1	0.01	
				Chromium	7440-47-3	21	0.15	
				Aluminum	7429-90-5	1	0.007	
				Silicon	7440-21-3	1	0.007	
				Cobalt	7440-48-4	1	0.007	
				Manganese	7439-96-5	1	0.007	
9	Collector Bar	Nickel/Silver C762	0.063	Copper	7440-50-8	55	0.117	0.21
				Nickel	7440-02-0	18	0.04	
				Zinc	7440-66-6	27	0.0575	
		Plating	0.002	Gold	7440-57-5	100	0.007	0.007
10	Lube	NYE N799	0.1	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.4	0.18	0.34

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				Lithium 12-hydroxystearate	7620-77-1	5.7	0.019	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.11	
				Polyisobutylene	9003-27-4	6.2	0.021	
11	Lube	NYE 774F	0.00815	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	58.8	0.016	0.03
				1-Propene, polymer with ethene	9010-79-1	30.8	0.008	
				Silica, amorphous fumed	112945-52-5	5.4	0.001	
				Ethene, tetrafluoro-, homopolymer	9002-84-0	5	0.001	
12	Epoxy	BLUE EPOXY E940	0.00563	Epoxy Resin	25068-38-6	64	0.012	0.019
				Antimony Trioxide	1309-64-4	11	0.0021	
				Aluminum Oxide	1344-28-1	10	0.002	
				Kaolin Clay	1332-58-7	6	0.0011	
				Magnesium Aluminum Silicate	1327-43-1	9	0.0017	
13	Rotor Molded	GS-51 Nylatron	1.58757	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.54	5.37
				Glass Fiber	65997-17-3	32	1.72	
				Molybdenum Disulfide	1317-33-5	2	0.107	
14	Slider Molded	GS-51 Nylatron	0.7937866	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.772	2.69
				Glass Fiber	65997-17-3	32	0.859	
				Molybdenum Disulfide	1317-33-5	2	0.054	

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15	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	4.017	7.48
				Glass Fiber	65997-17-3	30	2.244	
				Brominated Epoxy Resin	68928-70-1	10.5	0.786	
				Antimony Trioxide	1309-64-4	3	0.224	
				Pigment Blue 15	147-14-8	0.8	0.060	
				Further Additives, not to declare	N/A	2	0.150	
16	Contact Spring	Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.875	0.02	0.03
				Lead	7439-92-1	0.025	0.00001	
				Iron	7439-89-6	0.3	0.0001	
				Nickel	7440-02-0	21	0.0071	
				Cobalt	7440-48-4	0.25	0.0001	
				Tin	7440-31-5	5.1	0.001725	
				Manganese	7439-96-5	0.3	0.000101	
				Misc	Not to declare	0.15	0.000051	
	Paliney #6	0.003	Palladium	7440-05-3	39.8	0.004039	0.01	
			Silver	7440-22-4	33.9	0.003441		
			Copper	7440-50-8	24.2	0.002456		
			Platinum	7440-06-4	0.5	0.000051		
			Nickel	7440-02-0	1.59	0.000161		
			Zinc	7440-66-6	0.01	0.000001		
17	Shaft	Brass C360	6.89	Copper	7440-50-8	61.5	14.34	23.31
				Zinc	7440-66-6	35.4	8.25	
				Lead	7439-92-2	3.1	0.72	
		Plating	0.001	Nickel	7440-02-0	100	0.003	0.003
18	Washer x2	Stainless Steel 301	0.002	Carbon	7440-44-0	0.15	0.00001	0.0068
				Manganese	7439-96-5	2	0.0001	
				Phosphorus	7723-14-0	0.05	0.000003	

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				Sulfur	7704-34-9	0.03	0.000002	
				Silicon	7440-21-3	1.00	0.00007	
				Chromium	7440-47-3	17.00	0.0012	
				Nickel	7440-02-0	7.00	0.0021	
				Iron	7439-89-6	72.78	0.0222	
19	Retaining Ring	Stainless Steel 420	0.009	Carbon	7440-44-0	0.15	0.00005	0.03
				Manganese	7439-96-5	1.00	0.0003	
				Silicon	7440-21-3	1.00	0.0003	
				Phosphorous	7723-14-0	0.04	0.00001	
				Sulfur	7704-34-9	0.30	0.00009	
				Chromium	7440-47-3	14.00	0.004	
				Iron	7439-89-6	83.51	0.025	
20	Bushing	Brass C360	3.71	Copper	7440-50-8	61.50	7.719	12.55
				Zinc	7440-66-6	35.40	4.443	
				Lead	7439-92-2	3.10	0.389	
21	T.R. Terminal x2	Nickel/Silver C752	0.164	Copper	7440-50-8	65.00	0.361	0.55
				Nickel	7440-02-0	18.00	0.100	
				Zinc	7440-66-6	17.00	0.094	
		Solder Inlay	0.0001	Silver	7440-22-4	56.00	0.0002	0.0003
				Copper	7440-50-8	22.00	0.0001	
				Zinc	7440-66-6	17.00	0.00006	
		Plating	0.00074	Tin	7440-31-5	5.00	0.00002	
		Gold	7440-57-5	100.00	0.003	0.003		
22	T.R. Pin Strip	Nickel Silver CDA752	0.249	Nickel	7440-02-0	18.00	0.152	0.842
				Copper	7440-50-8	65.00	0.548	
				Zinc	7440-66-6	17.00	0.143	

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23	Terminal Cover	GS-51 Nylatron	1.367581	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66.00	3.054	4.63
				Glass fiber	65997-17-3	32.00	1.481	
				Molybdenum disulfide	1317-33-5	2.00	0.093	
24	Tab	Silver Alloy A56T	0.013312288	Silver	7440-22-4	56.00	0.0252	0.05
				Copper	7440-50-8	22.00	0.0099	
				Zinc	7440-66-6	17.00	0.0077	
		Strip	0.1924	Tin	7440-31-5	5.00	0.0023	0.65
25	Ink	138:Hyb. Beta/Gamma	0.21	3-chloroprop-1-ene, formaldehyde, phenol	28470-78-2	38.00	0.2700	0.71
				Carbon Black	1333-86-4	20.70	0.1471	
				Diallyl Isophthalate	1087-21-4	35.80	0.2543	
				Graphite	7782-42-5	5.50	0.0391	
26	Lube	Versilube G321	0.00815	Siloxanes and Silicones, di-Me, di-Ph	68083-14-7	68.90	0.0190	0.03
				Lithium stearate	4485-12-5	25.40	0.0070	
				Silane, dichlorodimethyl-reaction products with silica	68611-44-9	4.80	0.0013	
				Diphenylamine	122-39-4	0.90	0.0002	
		Total weight	29.5585					

This Document was updated on: 2/12/2025

### Important remarks:

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