


# MATERIAL DECLARATION SHEET



Material Number	3547H-1xC-xxxx 3547H-1xD-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	0.0833	
		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	1.02
				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-	32	1.78	

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					3			
				Molybdenum Disulfide	1317-33-5	2	0.11	
5	Housing	ShinKong compound (Black)	7.893	PBT	26062-94-2	53.7	14.36	26.75
				Glass Fiber	65997-17-3	30	8.0242	
				Brominated Epoxy Resin	68928-70-1	10.5	2.8085	
				Antimony Trioxide	1309-64-4	3	0.8024	
				Pigment Blue 15	147-14-8	0.8	0.2140	
				Further Additives, not to declare	N/A	2	0.5349	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1762	0.18
7	Mandrel Wire	Annealed Copper Wire	1.6848122	Copper	7440-50-8	100	5.71	5.71
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00011	0.0001
8	Resist Wire	Nickel/ Chromium Alloy	0.21376	Nickel	7440-02-0	74	0.54	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	
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	0.0576	
		Plating	0.002	Gold	7440-57-5	100	0.007	0.007
10	Lube	NYE N719A	0.1	Poly(1-decene)	68037-01-4	48	0.16	0.34

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				1-Dodecene Polymer with 1-Decene, Hydrogenated	151006-60-9	48	0.163	
				Benzenamine, N-Phenyl-reaction products with 2,4,4-trimethylpentene	68411-46-1	1	0.00	
				Octadecenylsuccinic Anhydride	28777-98-2	3	0.010	
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	0.009	
				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	3.55	5.38
				Glass Fiber	65997-17-3	32	1.72	
				Molybdenum Disulfide	1317-33-5	2	0.108	

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14	Slider Molded	GS-51 Nylatron	0.7937866	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.775	2.69
				Glass Fiber	65997-17-3	32	0.861	
				Molybdenum Disulfide	1317-33-5	2	0.054	
15	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	4.024	7.49
				Glass Fiber	65997-17-3	30	2.248	
				Brominated Epoxy Resin	68928-70-1	10.5	0.787	
				Antimony Trioxide	1309-64-4	3	0.225	
				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	0.001728	
				Manganese	7439-96-5	0.3	0.000102	
	Misc	Not to declare	0.15	0.000051				
	Paliney #6	0.003	Palladium	7440-05-3	39.8	0.004046	0.01	
			Silver	7440-22-4	33.9	0.003446		
			Copper	7440-50-8	24.2	0.002460		
			Platinum	7440-06-4	0.5	0.000051		
Nickel			7440-02-0	1.59	0.000162			
Zinc	7440-66-6	0.01	0.000001					
17	Shaft	Stainless Steel 303	6.89	Carbon	7440-44-0	0.15	0.04	23.35

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				Manganese	7439-96-5	2	0.47	
				Phosphorus	7723-14-0	0.2	0.05	
				Sulfur	7704-34-9	0.15	0.04	
				Silicon	7440-21-3	0.9	0.21	
				Chromium	7440-47-3	18	4.20	
				Nickel	7440-02-0	9	2.10	
				Iron	7439-89-6	69	16.11	
				Molybdenum	7439-98-7	0.6	0.14	
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	
				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	Phosphor Bronze 544	3.71	Lead	7440-31-5	3.00	0.377	12.57
				Tin	7439-92-1	0.10	0.013	
				Zinc	7440-66-6	4.50	0.566	
				Iron	7439-89-6	4.50	0.566	
				Phosphorus	7723-14-0	0.50	0.063	
				Copper	7440-50-8	87.40	10.988	

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21	T.R. Terminal x2	Nickel/Silver C752	0.164	Copper	7440-50-8	65.00	0.361	0.56		
				Nickel	7440-02-0	18.00	0.100			
				Zinc	7440-66-6	17.00	0.094			
		Solder Inlay	0.0001	Plating	0.00074	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	
						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	0.844		
				Copper	7440-50-8	65.00	0.548			
				Zinc	7440-66-6	17.00	0.143			
23	Terminal Cover	GS-51 Nylatron	1.367581	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	3.059	4.63		
				Glass fiber	65997-17- 3	32.00	1.483			
				Molybdenum disulfide	1317-33-5	2.00	0.093			
24	Ink	138:Hyb. Beta/Gamma(25/75) Ink	0.17	3-chloroprop-1- ene,formaldehyde,phenol	28470-78- 2	38.00	0.2189	0.58		
				Carbon Black	1333-86-4	20.70	0.1192			
				Diallyl Isophthalate	1087-21-4	35.80	0.2062			
				Graphite	7782-42-5	5.50	0.0317			
25	Tab	Silver Alloy A56T	0.013312288	Silver	7440-22-4	56.00	0.0253	0.05		
				Copper	7440-50-8	22.00	0.0099			
				Zinc	7440-66-6	17.00	0.0077			
				Tin	7440-31-5	5.00	0.0023			
		Strip	0.1924	Nickel	7440-02-0	100.00	0.6520	0.65		
		Total weight	29.5096							

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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.