


# MATERIAL DECLARATION SHEET



Material Number	3548S-1xA-xxxx 3548S-1xB-xxxx			
Product Line	Sensors & Controls			
Compliance Date	1/22/2025			
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	0.196	0.28
				Zinc	7440-66-6	30	0.0841	
		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	0.196	1.03
				Zinc	7440-66-6	30	0.31	
		Under Plating	0.0120	Nickel	7440-02-0	100	0.041	
		Finish Plating	0.0274	Gold	7440-57-5	100	0.094	
4	Cover	GS-51 Nylatron	1.642004	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.71	5.62
				Glass Fiber	65997-17-	32	1.80	

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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	14.51	27.03
				Glass Fiber	65997-17-3	30	8.1076	
				Brominated Epoxy Resin	68928-70-1	10.5	2.8377	
				Antimony Trioxide	1309-64-4	3	0.8108	
				Pigment Blue 15	147-14-8	0.8	0.2162	
				Further Additives, not to declare	N/A	2	0.5405	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1780	0.18
7	Mandrel Wire	Annealed Copper Wire	1.6848122	Copper	7440-50-8	100	5.77	5.77
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00011	0.0001
8	Resist Wire	Nickel/Chromium Alloy	0.07595	Nickel	7440-02-0	74	0.19	0.26
				Copper	7440-50-8	1	0.00	
				Chromium	7440-47-3	21	0.05	
				Aluminum	7429-90-5	1	0.003	
				Silicon	7440-21-3	1	0.003	
				Cobalt	7440-48-4	1	0.003	
9	Collector Bar	Nickel/Silver C762	0.063	Copper	7440-50-8	55	0.119	0.22
				Nickel	7440-02-0	18	0.04	
				Zinc	7440-66-6	27	0.0582	
		Plating	0.002	Gold	7440-57-5	100	0.007	0.007

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10	Lube	NYE N799	0.1	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.4	0.19	0.34
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.020	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.12	
				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	0.009	
				Silica, amorphous fumed	112945-52-5	5.4	0.002	
				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	0.0012	
				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	3.59	5.44
				Glass Fiber	65997-17-3	32	1.74	
				Molybdenum Disulfide	1317-33-5	2	0.109	

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14	Slider Molded	GS-51 Nylatron	0.7937866	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.794	2.72
				Glass Fiber	65997-17-3	32	0.870	
				Molybdenum Disulfide	1317-33-5	2	0.054	
15	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	4.066	7.57
				Glass Fiber	65997-17-3	30	2.271	
				Brominated Epoxy Resin	68928-70-1	10.5	0.795	
				Antimony Trioxide	1309-64-4	3	0.227	
				Pigment Blue 15	147-14-8	0.8	0.061	
Further Additives, not to declare	N/A	2	0.151					
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	0.0072	
				Cobalt	7440-48-4	0.25	0.0001	
				Tin	7440-31-5	5.1	0.001746	
				Manganese	7439-96-5	0.3	0.000103	
	Misc	Not to declare	0.15	0.000051				
	Paliney #6	0.003	Palladium	7440-05-3	39.8	0.004088	0.01	
			Silver	7440-22-4	33.9	0.003482		
			Copper	7440-50-8	24.2	0.002486		
			Platinum	7440-06-4	0.5	0.000051		
Nickel			7440-02-0	1.59	0.000163			
Zinc	7440-66-6	0.01	0.000001					
17	Shaft	Brass C360	6.89	Copper	7440-50-8	61.5	14.51	23.59

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				Zinc	7440-66-6	35.4	8.35	
				Lead	7439-92-1	3.1	0.73	
		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	
				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	0.0022	
				Iron	7439-89-6	72.78	0.0224	
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	0.026	
20	Bushing	Brass C360	3.71	Copper	7440-50-8	61.50	7.812	12.70
				Zinc	7440-66-6	35.40	4.497	
				Lead	7439-92-2	3.10	0.394	
21	T.R. Terminal x2	Nickel/Silver C752	0.164	Copper	7440-50-8	65.00	0.365	0.56
				Nickel	7440-02-0	18.00	0.101	
				Zinc	7440-66-6	17.00	0.095	
		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	
				Tin	7440-31-5	5.00	0.00002	

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		Plating	0.00074	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	0.153	0.853
				Copper	7440-50-8	65.00	0.554	
				Zinc	7440-66-6	17.00	0.145	
23	Terminal Cover	GS-51 Nylatron	1.367581	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	3.090	4.68
				Glass fiber	65997-17- 3	32.00	1.498	
				Molybdenum disulfide	1317-33-5	2.00	0.094	
24	Tab	Silver Alloy A56T	0.013312288	Silver	7440-22-4	56.00	0.0255	0.05
				Copper	7440-50-8	22.00	0.0100	
				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	0.0456
25	Lid Resin	Valox 420	0.003	PBT	30965-26- 5	55.00	0.0056	0.01
				Glass Fiber	65997-17- 3	30.00	0.0031	
				Antimony Trioxide	1309-64-4	4.00	0.0004	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11.00	0.0011	
		Total weight	29.2058					

**This Document was updated on: 01/28/2024**

**Important remarks:**

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