


# MATERIAL DECLARATION SHEET



Material Number	3548S-1xC-xxxx 3548S-1xD-xxxx			
Product Line	Sensors & Controls			
Compliance Date	1/28/2025			
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	0.198	0.28
				Zinc	7440-66-6	30	0.0848	
		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	0.198	1.04
				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	0.095	
4	Cover	GS-51 Nylatron	1.642004	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.74	5.67
				Glass Fiber	65997-17-3	32	1.81	

# MATERIAL DECLARATION SHEET



				Molybdenum Disulfide	1317-33-5	2	0.11	
5	Housing	ShinKong compound (Black)	7.893	PBT	26062-94-2	53.7	14.63	27.25
				Glass Fiber	65997-17-3	30	8.18	
				Brominated Epoxy Resin	68928-70-1	10.5	2.86	
				Antimony Trioxide	1309-64-4	3	0.8175	
				Pigment Blue 15	147-14-8	0.8	0.2180	
				Further Additives, not to declare	N/A	2	0.5450	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1795	0.18
7	Mandrel Wire	Annealed Copper Wire	1.3120159	Copper	7440-50-8	100	4.53	4.53
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00011	0.0001
8	Resist Wire	Nickel/Chromium Alloy	0.20733	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	0.01	
				Silicon	7440-21-3	1	0.01	
				Cobalt	7440-48-4	1	0.01	
				Manganese	7439-96-5	1	0.01	
9	Collector Bar	Nickel/Silver C762	0.063	Copper	7440-50-8	55	0.120	0.22
				Nickel	7440-02-0	18	0.04	
				Zinc	7440-66-6	27	0.0587	
		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	0.19	0.35

# MATERIAL DECLARATION SHEET



				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	0.017	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	3.62	5.48
				Glass Fiber	65997-17-3	32	1.75	
				Molybdenum Disulfide	1317-33-5	2	0.110	
14	Slider Molded	GS-51 Nylatron	0.7937866	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.809	2.74
				Glass Fiber	65997-17-3	32	0.877	
				Molybdenum Disulfide	1317-33-5	2	0.055	

# MATERIAL DECLARATION SHEET



15	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	4.100	7.63
				Glass Fiber	65997-17-3	30	2.290	
				Brominated Epoxy Resin	68928-70-1	10.5	0.802	
				Antimony Trioxide	1309-64-4	3	0.229	
				Pigment Blue 15	147-14-8	0.8	0.061	
				Further Additives, not to declare	N/A	2	0.153	
16	Contact Spring	Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.875	0.03	0.03
				Lead	7439-92-1	0.025	0.00	
				Iron	7439-89-6	0.3	0.000	
				Nickel	7440-02-0	21	0.0073	
				Cobalt	7440-48-4	0.25	0.000	
				Tin	7440-31-5	5.1	0.001761	
				Manganese	7439-96-5	0.3	0.000104	
				Misc	Not to declare	0.15	0.000052	
	Paliney #6	0.003	Palladium	7440-05-3	39.8	0.004122	0.01	
			Silver	7440-22-4	33.9	0.003511		
			Copper	7440-50-8	24.2	0.002507		
			Platinum	7440-06-4	0.5	0.000052		
			Nickel	7440-02-0	1.59	0.000165		
			Zinc	7440-66-6	0.01	0.000001		
17	Shaft	Stainless Steel 303	6.89	Carbon	7440-44-0	0.15	0.04	23.79
				Manganese	7439-96-5	2	0.48	
				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	4.28	
				Nickel	7440-02-0	9	2.14	

# MATERIAL DECLARATION SHEET



18	Washer x2	Stainless Steel 301	0.002	Iron	7439-89-6	69	16.41	0.0069
				Molybdenum	7439-98-7	0.6	0.14	
				Carbon	7440-44-0	0.15	0.00001	
				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	
19	Retaining Ring	Stainless Steel 420	0.009	Iron	7439-89-6	72.78	0.0226	0.03
				Carbon	7440-44-0	0.15	0.0000	
				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	
20	Bushing	Phosphor Bronze 544	3.71	Lead	7440-31-5	3.00	0.384	12.81
				Tin	7439-92-1	0.10	0.013	
				Zinc	7440-66-6	4.50	0.576	
				Iron	7439-89-6	4.50	0.576	
				Phosphorus	7723-14-0	0.50	0.064	
				Copper	7440-50-8	87.40	11.195	
21	T.R. Terminal x2	Nickel/Silver C752	0.164	Copper	7440-50-8	65.00	0.368	0.57
				Nickel	7440-02-0	18.00	0.102	
				Zinc	7440-66-6	17.00	0.096	
		Solder Inlay	0.0001	Silver	7440-22-4	56.00	0.0002	0.0003
				Copper	7440-50-8	22.00	0.0001	

# MATERIAL DECLARATION SHEET



				Zinc	7440-66-6	17.00	0.00006	
				Tin	7440-31-5	5.00	0.00002	
		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	0.155	0.860
				Copper	7440-50-8	65.00	0.559	
				Zinc	7440-66-6	17.00	0.146	
23	Terminal Cover	GS-51 Nylatron	1.367581	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	3.116	4.72
				Glass fiber	65997-17- 3	32.00	1.511	
				Molybdenum disulfide	1317-33-5	2.00	0.094	
24	Tab	Silver Alloy A56T	0.013312288	Silver	7440-22-4	56.00	0.0257	0.05
				Copper	7440-50-8	22.00	0.0101	
				Zinc	7440-66-6	17.00	0.0078	
		Strip	0.1924	Tin	7440-31-5	5.00	0.0023	0.66
				Nickel	7440-02-0	100.00	0.0460	
25	Lid Resin	Valox 420	0.003	PBT	30965-26- 5	55.00	0.0057	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	28.9634					

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.

# MATERIAL DECLARATION SHEET

---

