


MATERIAL DECLARATION SHEET



Material Number	3548S-1xG-xxxx 3548S-1xH-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	0.184	0.26
				Zinc	7440-66-6	30	0.0786	
		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	0.16
				Manganese	7439-96-5	2	0.003	
				Phosphorus	7723-14-0	0.045	0.00007	
				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	0.184	0.96
				Zinc	7440-66-6	30	0.29	
		Under Plating	0.0120	Nickel	7440-02-0	100	0.038	
		Finish Plating	0.0274	Gold	7440-57-5	100	0.088	
4	Cover	GS-51 Nylatron	1.642004	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.47	5.26
				Glass Fiber	65997-17-3	32	1.68	

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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	13.57	25.26
				Glass Fiber	65997-17-3	30	7.5795	
				Brominated Epoxy Resin	68928-70-1	10.5	2.6528	
				Antimony Trioxide	1309-64-4	3	0.7579	
				Pigment Blue 15	147-14-8	0.8	0.2021	
				Further Additives, not to declare	N/A	2	0.5053	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1664	0.17
7	Mandrel Wire	Annealed Copper Wire	2.72155	Copper	7440-50-8	100	8.71	8.71
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00010	0.0001
8	Resist Wire	Nickel/Chromium Alloy	0.13181	Nickel	7440-02-0	74	0.31	0.42
				Copper	7440-50-8	1	0.004	
				Chromium	7440-47-3	21	0.09	
				Aluminum	7429-90-5	1	0.004	
				Silicon	7440-21-3	1	0.004	
				Cobalt	7440-48-4	1	0.004	
				Manganese	7439-96-5	1	0.004	
9	Collector Bar	Nickel/Silver C762	0.063	Copper	7440-50-8	55	0.111	0.20
				Nickel	7440-02-0	18	0.04	
				Zinc	7440-66-6	27	0.0544	
		Plating	0.002	Gold	7440-57-5	100	0.006	0.006
10	Lube	NYE N799	0.1	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.4	0.17	0.32

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				Lithium 12-hydroxystearate	7620-77-1	5.7	0.018	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.11	
				Polyisobutylene	9003-27-4	6.2	0.020	
11	Lube	NYE 774F	0.00815	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	58.8	0.015	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	PBT	26062-94-2	53.7	0.010	0.018
				Glass Fiber	65997-17-3	30	0.0054	
				Brominated Epoxy Resin	68928-70-1	10.5	0.002	
				Antimony Trioxide	1309-64-4	3	0.0005	
				Pigment Blue 15	147-14-8	0.8	0.0001	
				Further Additives, not to declare	N/A	2	0.0004	
13	Rotor Molded	GS-51 Nylatron	2.531045	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	5.35	8.10
				Glass Fiber	65997-17-3	32	2.59	
				Molybdenum Disulfide	1317-33-5	2	0.162	
14	Slider Molded	GS-51 Nylatron	0.7937866	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.677	2.54

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				Glass Fiber	65997-17-3	32	0.813		
				Molybdenum Disulfide	1317-33-5	2	0.051		
15	Lid Molded	ShinKong compound (Black)	2.2112628	Epoxy Resin	25068-38-6	64	4.530	7.08	
				Antimony Trioxide	1309-64-4	11	0.779		
				Aluminum Oxide	1344-28-1	10	0.708		
				Kaolin Clay	1332-58-7	6	0.425		
				Magnesium Aluminum Silicate	1327-43-1	9	0.637		
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	0.0067		
				Cobalt	7440-48-4	0.25	0.000		
				Tin	7440-31-5	5.1	0.001632		
				Manganese	7439-96-5	0.3	0.000096		
	Misc	Not to declare	0.15	0.000048					
		Paliney #6	0.003	0.003	Palladium	7440-05-3	39.8	0.003822	0.01
					Silver	7440-22-4	33.9	0.003255	
					Copper	7440-50-8	24.2	0.002324	
					Platinum	7440-06-4	0.5	0.000048	
					Nickel	7440-02-0	1.59	0.000153	
	Zinc				7440-66-6	0.01	0.000001		
17	Shaft	Stainless Steel 303	6.89	Carbon	7440-44-0	0.15	0.03	22.05	
				Manganese	7439-96-5	2	0.44		
				Phosphorus	7723-14-0	0.2	0.04		
				Sulfur	7704-34-9	0.15	0.03		
				Silicon	7440-21-3	0.9	0.20		
				Chromium	7440-47-3	18	3.97		
				Nickel	7440-02-0	9	1.98		

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				Iron	7439-89-6	69	15.22	
				Molybdenum	7439-98-7	0.6	0.13	
18	Washer x2	Stainless Steel 301	0.002	Carbon	7440-44-0	0.15	0.00001	0.0064
				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	0.00006	
				Chromium	7440-47-3	17.00	0.0011	
				Nickel	7440-02-0	7.00	0.0020	
				Iron	7439-89-6	72.78	0.0210	
				19	Retaining Ring	Stainless Steel 420	0.009	
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	0.024					
20	Bushing	Phosphor Bronze 544	3.71	Lead	7440-31-5	3.00	0.356	11.88
				Tin	7439-92-1	0.10	0.012	
				Zinc	7440-66-6	4.50	0.534	
				Iron	7439-89-6	4.50	0.534	
				Phosphorus	7723-14-0	0.50	0.059	
				Copper	7440-50-8	87.40	10.379	
21	T.R. Terminal x2	Nickel/Silver C752	0.164	Copper	7440-50-8	65.00	0.341	0.52
				Nickel	7440-02-0	18.00	0.094	
				Zinc	7440-66-6	17.00	0.089	
		Solder Inlay	0.0001	Silver	7440-22-4	56.00	0.0002	0.0003
				Copper	7440-50-8	22.00	0.0001	

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				Zinc	7440-66-6	17.00	0.00005	
				Tin	7440-31-5	5.00	0.00002	
		Plating	0.00074	Gold	7440-57-5	100.00	0.002	0.002
22	T.R. Pin Strip	Nickel Silver CDA752	0.249	Nickel	7440-02-0	18.00	0.143	0.797
				Copper	7440-50-8	65.00	0.518	
				Zinc	7440-66-6	17.00	0.135	
23	Terminal Cover	GS-51 Nylatron	1.367581	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	2.889	4.38
				Glass fiber	65997-17- 3	32.00	1.401	
				Molybdenum disulfide	1317-33-5	2.00	0.088	
24	Tab	Silver Alloy A56T	0.013312288	Silver	7440-22-4	56.00	0.0239	0.04
				Copper	7440-50-8	22.00	0.0094	
				Zinc	7440-66-6	17.00	0.0072	
				Tin	7440-31-5	5.00	0.0021	
		Strip	0.1924	Nickel	7440-02-0	100.00	0.0426	0.62
26	Lid Resin	Valox 420	0.003	PBT	30965-26- 5	55.00	0.0053	0.01
				Glass Fiber	65997-17- 3	30.00	0.0029	
				Antimony Trioxide	1309-64-4	4.00	0.0004	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11.00	0.0011	
27	O-Ring x2	Silicon Rubber	0.03	Silicon Rubber	63394-02- 5	100.00	0.0960	0.10
		Total weight	31.2409					

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Important remarks:

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