


MATERIAL DECLARATION SHEET



Material Number	3548S-2xA-xxxx 3548S-2xB-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	0.125	0.18
				Zinc	7440-66-6	30	0.0535	
		Plating	0.0001	Nickel	7440-02-0	100	0.0002	0.0002
2	Lockwasher	Stainless Steel 304	0.05	Carbon	7440-44-0	0.18	0.0002	0.11
				Manganese	7439-96-5	2	0.002	
				Phosphorus	7723-14-0	0.045	0.00005	
				Sulfur	7704-34-9	0.03	0.00003	
				Silicon	7440-21-3	0.75	0.001	
				Chromium	7440-47-3	17	0.02	
				Nickel	7440-02-0	8	0.01	
				Iron	7439-89-6	71.995	0.08	
		Plating	0.0001	Nickel	7440-02-0	100	0.0002	0.0002
3	Terminal Wiper x2	Brass C260	0.6000	Copper	7440-50-8	70	0.125	1.31
				Zinc	7440-66-6	30	0.39	
		Under Plating	0.0240	Nickel	7440-02-0	100	0.052	
		Finish Plating	0.0548	Gold	7440-57-5	100	0.119	
4	Cover x2	GS-51 Nylatron	2.735162	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.93	5.96
				Glass Fiber	65997-17-3	32	1.91	

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				Molybdenum Disulfide	1317-33-5	2	0.12	
5	Housing x2	ShinKong compound (Black)	15.786	PBT	26062-94-2	53.7	18.46	34.38
				Glass Fiber	65997-17-3	30	10.3155	
				Brominated Epoxy Resin	68928-70-1	10.5	3.6104	
				Antimony Trioxide	1309-64-4	3	1.0315	
				Pigment Blue 15	147-14-8	0.8	0.2751	
				Further Additives, not to declare	N/A	2	0.6877	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1133	0.11
7	Mandrel Wire	Annealed Copper Wire	2.6240319	Copper	7440-50-8	100	5.72	5.72
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00007	0.0001
8	Resist Wire	Nickel/Chromium Alloy	0.30086	Nickel	7440-02-0	74	0.48	0.66
				Copper	7440-50-8	1	0.01	
				Chromium	7440-47-3	21	0.14	
				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 x2	Nickel/Silver C762	0.126	Copper	7440-50-8	55	0.151	0.27
				Nickel	7440-02-0	18	0.05	
				Zinc	7440-66-6	27	0.0741	
		Plating	0.004	Gold	7440-57-5	100	0.009	0.009
10	Lube	NYE N799	0.1	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.4	0.12	0.22

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				Lithium 12-hydroxystearate	7620-77-1	5.7	0.012	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.07	
				Polyisobutylene	9003-27-4	6.2	0.014	
11	Lube	NYE 774F	0.00815	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	58.8	0.010	0.02
				1-Propene, polymer with ethene	9010-79-1	30.8	0.005	
				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	0.008	0.012
				Antimony Trioxide	1309-64-4	11	0.0013	
				Aluminum Oxide	1344-28-1	10	0.001	
				Kaolin Clay	1332-58-7	6	0.0007	
				Magnesium Aluminum Silicate	1327-43-1	9	0.0011	
13	Rotor Molded	GS-51 Nylatron	1.58757	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	2.28	3.46
				Glass Fiber	65997-17-3	32	1.11	
				Molybdenum Disulfide	1317-33-5	2	0.069	
14	Second Rotor	GS-51 Nylatron	2.74877	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	0.120	5.99
				Glass Fiber	65997-17-3	32	3.952	
				Molybdenum Disulfide	1317-33-5	2	1.916	

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15	Slider Molded	GS-51 Nylatron	0.7937866	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.141	1.73
				Glass Fiber	65997-17-3	32	0.553	
				Molybdenum Disulfide	1317-33-5	2	0.035	
16	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	2.586	4.82
				Glass Fiber	65997-17-3	30	1.445	
				Brominated Epoxy Resin	68928-70-1	10.5	0.506	
				Antimony Trioxide	1309-64-4	3	0.144	
				Pigment Blue 15	147-14-8	0.8	0.039	
Further Additives, not to declare	N/A	2	0.096					
17	Contact Spring	Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.875	0.02	0.02
				Lead	7439-92-1	0.025	0.00001	
				Iron	7439-89-6	0.3	0.0001	
				Nickel	7440-02-0	21	0.0046	
				Cobalt	7440-48-4	0.25	0.0001	
				Tin	7440-31-5	5.1	0.001111	
				Manganese	7439-96-5	0.3	0.000065	
	Misc	Not to declare	0.15	0.000033				
	Paliney #6	0.003	Palladium	7440-05-3	39.8	0.002601	0.01	
			Silver	7440-22-4	33.9	0.002215		
			Copper	7440-50-8	24.2	0.001581		
			Platinum	7440-06-4	0.5	0.000033		
			Nickel	7440-02-0	1.59	0.000104		
Zinc			7440-66-6	0.01	0.000001			
18	Shaft	Brass C360	6.89	Copper	7440-50-8	61.5	9.23	15.01

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				Zinc	7440-66-6	35.4	5.31	
				Lead	7439-92-1	3.1	0.47	
		Plating	0.001	Nickel	7440-02-0	100	0.002	0.002
19	Washer x2	Stainless Steel 301	0.002	Carbon	7440-44-0	0.15	0.00001	0.0044
				Manganese	7439-96-5	2	0.0001	
				Phosphorus	7723-14-0	0.05	0.000002	
				Sulfur	7704-34-9	0.03	0.000001	
				Silicon	7440-21-3	1.00	0.00004	
				Chromium	7440-47-3	17.00	0.0007	
				Nickel	7440-02-0	7.00	0.0014	
				Iron	7439-89-6	72.78	0.0143	
20	Retaining Ring	Stainless Steel 420	0.009	Carbon	7440-44-0	0.15	0.00003	0.02
				Manganese	7439-96-5	1.00	0.0002	
				Silicon	7440-21-3	1.00	0.0002	
				Phosphorous	7723-14-0	0.04	0.00001	
				Sulfur	7704-34-9	0.30	0.00006	
				Chromium	7440-47-3	14.00	0.003	
				Iron	7439-89-6	83.51	0.016	
21	Bushing	Brass C360	3.71	Copper	7440-50-8	61.50	4.970	8.08
				Zinc	7440-66-6	35.40	2.861	
				Lead	7439-92-2	3.10	0.251	
22	T.R. Terminal x4	Nickel/Silver C752	0.328	Copper	7440-50-8	65.00	0.464	0.71
				Nickel	7440-02-0	18.00	0.129	
				Zinc	7440-66-6	17.00	0.121	
		Solder Inlay	0.0002	Silver	7440-22-4	56.00	0.0002	0.0004
				Copper	7440-50-8	22.00	0.0001	
				Zinc	7440-66-6	17.00	0.00007	
				Tin	7440-31-5	5.00	0.00002	

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		Plating	0.00148	Gold	7440-57-5	100.00	0.003	0.003
22	T.R. Pin Strip	Nickel Silver CDA752	0.61144251	Nickel	7440-02-0	18.00	0.240	1.332
				Copper	7440-50-8	65.00	0.866	
				Zinc	7440-66-6	17.00	0.226	
23	Terminal Cover	GS-51 Nylatron	2.735162	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	3.932	5.96
				Glass fiber	65997-17- 3	32.00	1.906	
				Molybdenum disulfide	1317-33-5	2.00	0.119	
24	Tab x2	Silver Alloy A56T	0.026624576	Silver	7440-22-4	56.00	0.0325	0.06
				Copper	7440-50-8	22.00	0.0128	
				Zinc	7440-66-6	17.00	0.0099	
		Strip	0.1924	Tin	7440-31-5	5.00	0.0029	0.42
		Nickel	7440-02-0	100.00	0.0580			
25	Lid Resin	Valox 420	0.003	PBT	30965-26- 5	55.00	0.0036	0.01
				Glass Fiber	65997-17- 3	30.00	0.0020	
				Antimony Trioxide	1309-64-4	4.00	0.0003	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11.00	0.0007	
26	DC Adapter	GS-51 Nylatron	1.492319	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	2.1454	3.25
				Glass fiber	65997-17- 3	32.00	1.0402	
				Molybdenum disulfide	1317-33-5	2.00	0.0650	
		Total weight	45.9098					

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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.