


MATERIAL DECLARATION SHEET



Material Number	3547S-2xA-xxxx 3547S-2xB-xxx			
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	0.123	0.18
				Zinc	7440-66-6	30	0.0529	
		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	0.123	1.29
				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	0.118	
4	Cover	GS-51 Nylatron	1.642004	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	2.33	3.53
				Glass Fiber	65997-17-3	32	1.13	

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				Molybdenum Disulfide	1317-33-5	2	0.07	
5	Housing x2	ShinKong compound (Black)	15.786	PBT	26062-94-2	53.7	18.24	33.97
				Glass Fiber	65997-17-3	30	10.1916	
				Brominated Epoxy Resin	68928-70-1	10.5	3.5671	
				Antimony Trioxide	1309-64-4	3	1.0192	
				Pigment Blue 15	147-14-8	0.8	0.2718	
				Further Additives, not to declare	N/A	2	0.6794	
6	Varnish x2	Varnish	0.104	Phenolic Resin	9003-35-4	100	0.2238	0.22
7	Mandrel Wire x2	Annealed Copper Wire	3.36962432	Copper	7440-50-8	100	7.25	7.25
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00007	0.0001
8	Resist Wire x2	Nickel/Chromium Alloy	0.3476	Nickel	7440-02-0	74	0.55	0.75
				Copper	7440-50-8	1	0.01	
				Chromium	7440-47-3	21	0.16	
				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	0.149	0.27
				Nickel	7440-02-0	18	0.05	
				Zinc	7440-66-6	27	0.0732	
		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	0.013	
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	2.25	3.42
				Glass Fiber	65997-17-3	32	1.09	
				Molybdenum Disulfide	1317-33-5	2	0.068	
14	Second Rotor	GS-51 Nylatron	2.74877	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	0.118	5.92
				Glass Fiber	65997-17-3	32	3.904	
				Molybdenum Disulfide	1317-33-5	2	1.893	

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15	Slider Molded x2	GS-51 Nylatron	1.58757	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	2.255	3.42
				Glass Fiber	65997-17-3	32	1.093	
				Molybdenum Disulfide	1317-33-5	2	0.068	
16	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	2.555	4.76
				Glass Fiber	65997-17-3	30	1.428	
				Brominated Epoxy Resin	68928-70-1	10.5	0.500	
				Antimony Trioxide	1309-64-4	3	0.143	
				Pigment Blue 15	147-14-8	0.8	0.038	
				Further Additives, not to declare	N/A	2	0.095	
17	Contact Spring x2	Pfinodal 7 C72900	0.02	Copper	7440-50-8	72.875	0.03	0.04
				Lead	7439-92-1	0.025	0.00001	
				Iron	7439-89-6	0.3	0.0001	
				Nickel	7440-02-0	21	0.0090	
				Cobalt	7440-48-4	0.25	0.0001	
				Tin	7440-31-5	5.1	0.002195	
				Manganese	7439-96-5	0.3	0.000129	
		Misc	Not to declare	0.15	0.000065			
		Paliney #6	0.006	Palladium	7440-05-3	39.8	0.005139	0.01
				Silver	7440-22-4	33.9	0.004377	
				Copper	7440-50-8	24.2	0.003125	
				Platinum	7440-06-4	0.5	0.000065	
				Nickel	7440-02-0	1.59	0.000205	
Zinc	7440-66-6			0.01	0.000001			
18	Shaft	Brass C360	6.89	Copper	7440-50-8	61.5	9.12	14.83

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				Zinc	7440-66-6	35.4	5.25	
				Lead	7439-92-2	3.1	0.46	
		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	0.0043
				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	0.0141	
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	4.910	7.98
				Zinc	7440-66-6	35.40	2.826	
				Lead	7439-92-2	3.10	0.248	
22	T.R. Terminal x4	Nickel/Silver C752	0.328	Copper	7440-50-8	65.00	0.459	0.71
				Nickel	7440-02-0	18.00	0.127	
				Zinc	7440-66-6	17.00	0.120	
		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	0.237	1.316
				Copper	7440-50-8	65.00	0.855	
				Zinc	7440-66-6	17.00	0.224	
23	Terminal Cover	GS-51 Nylatron	2.735162	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	3.885	5.89
				Glass fiber	65997-17- 3	32.00	1.884	
				Molybdenum disulfide	1317-33-5	2.00	0.118	
24	Tab x2	Silver Alloy A56T	0.026624576	Silver	7440-22-4	56.00	0.0321	0.06
				Copper	7440-50-8	22.00	0.0126	
				Zinc	7440-66-6	17.00	0.0097	
				Tin	7440-31-5	5.00	0.0029	
		Strip		0.1924	Nickel	7440-02-0	100.00	0.0573
25	Lid Resin	Valox 420	0.003	PBT	30965-26- 5	55.00	0.0036	0.01
				Glass Fiber	65997-17- 3	30.00	0.0019	
				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	2.1196	3.21
				Glass fiber	65997-17- 3	32.00	1.0277	
				Molybdenum disulfide	1317-33-5	2.00	0.0642	
		Total weight	46.4677					

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Important remarks:

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