


MATERIAL DECLARATION SHEET



Material Number	3547S-1xC-xxxx 3547S-1xD-xxxx			
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	0.197	0.28
				Zinc	7440-66-6	30	0.0844	
		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	0.197	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	3.72	5.64
				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	14.56	27.11
				Glass Fiber	65997-17-3	30	8.13	
				Brominated Epoxy Resin	68928-70-1	10.5	2.85	
				Antimony Trioxide	1309-64-4	3	0.8133	
				Pigment Blue 15	147-14-8	0.8	0.2169	
				Further Additives, not to declare	N/A	2	0.5422	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1786	0.18
7	Mandrel Wire	Annealed Copper Wire	1.3120159	Copper	7440-50-8	100	4.51	4.51
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00011	0.0001
8	Resist Wire	Nickel/Chromium Alloy	0.35709	Nickel	7440-02-0	74	0.91	1.23
				Copper	7440-50-8	1	0.01	
				Chromium	7440-47-3	21	0.26	
				Aluminum	7429-90-5	1	0.01	
				Silicon	7440-21-3	1	0.01	
				Cobalt	7440-48-4	1	0.01	
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	0.0584	
		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	3.60	5.45
				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	1.800	2.73
				Glass Fiber	65997-17-3	32	0.872	
				Molybdenum Disulfide	1317-33-5	2	0.055	
15	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	4.079	7.60
				Glass Fiber	65997-17-3	30	2.279	
				Brominated Epoxy Resin	68928-70-1	10.5	0.798	
				Antimony Trioxide	1309-64-4	3	0.228	
				Pigment Blue 15	147-14-8	0.8	0.061	
				Further Additives, not to declare	N/A	2	0.152	
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	0.0072	
				Cobalt	7440-48-4	0.25	0.000	
				Tin	7440-31-5	5.1	0.001752	
				Manganese	7439-96-5	0.3	0.000103	
				Misc	Not to declare	0.15	0.000052	
		Paliney #6	0.003	Palladium	7440-05-3	39.8	0.004101	0.01
				Silver	7440-22-4	33.9	0.003493	
				Copper	7440-50-8	24.2	0.002494	
				Platinum	7440-06-4	0.5	0.000052	
				Nickel	7440-02-0	1.59	0.000164	
17	Shaft	Stainless Steel	6.89	Zinc	7440-66-6	0.01	0.000001	23.67
				Carbon	7440-44-0	0.15	0.04	

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		303		Manganese	7439-96-5	2	0.47	
				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	4.26	
				Nickel	7440-02-0	9	2.13	
				Iron	7439-89-6	69	16.33	
				Molybdenum	7439-98-7	0.6	0.14	
18	Washer x2	Stainless Steel 301	0.002	Carbon	7440-44-0	0.15	0.00001	0.0069
				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	0.0225	
19	Retaining Ring	Stainless Steel 420	0.009	Carbon	7440-44-0	0.15	0.0000	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	Phosphor Bronze 544	3.71	Lead	7440-31-5	3.00	0.382	12.74
				Tin	7439-92-1	0.10	0.013	
				Zinc	7440-66-6	4.50	0.573	
				Iron	7439-89-6	4.50	0.573	
				Phosphorus	7723-14-0	0.50	0.064	
				Copper	7440-50-8	87.40	11.138	

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21	T.R. Terminal x2	Nickel/Silver C752	0.164	Copper	7440-50-8	65.00	0.366	0.56		
				Nickel	7440-02-0	18.00	0.101			
				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	
						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	0.154	0.855
Copper	7440-50-8					65.00	0.556			
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	3.100	4.70		
				Glass fiber	65997-17- 3	32.00	1.503			
				Molybdenum disulfide	1317-33-5	2.00	0.094			
24	Tab	Silver Alloy A56T	0.013312288	Silver	7440-22-4	56.00	0.0256	0.05		
				Copper	7440-50-8	22.00	0.0101			
				Zinc	7440-66-6	17.00	0.0078			
				Tin	7440-31-5	5.00	0.0023			
		Strip	0.1924	Nickel	7440-02-0	100.00	0.0457	0.66		
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	29.1132							

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This Document was updated on: 2/12/2025

Important remarks:

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