


MATERIAL DECLARATION SHEET



Material Number	3547S-2xE-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	Ball Bearing	Stainless Steel 400C Martensitic	0.3000	Chromium	7440-47-3	13	0.081	0.62
				Carbon	7440-44-0	0.15	0.001	
				Silicon	7440-21-3	1	0.006	
				Manganese	7439-96-5	1	0.006	
				Iron	7439-89-6	84.85	0.529	
2	Servo Lid	Aluminum 2011	0.00406	Silicon	7440-21-3	0.4	0.0000	0.01
				Iron	7439-89-6	0.7	0.0001	
				Copper	7440-50-8	5	0.00042	
				Zinc	7440-66-6	0.3	0.00003	
				Misc., not to declare	Trade Secret	0.15	0.00001	
				Aluminum	7429-90-5	92.925	0.01	
				Bismuth	7440-69-9	0.325	0.00003	
Lead	7439-92-1	0.2	0.00002					
3	Terminal Wiper x2	Brass C260	0.6000	Copper	7440-50-8	70	0.436	1.25
				Zinc	7440-66-6	30	0.37	
		Under Plating	0.0240	Nickel	7440-02-0	100	0.050	
		Finish Plating	0.0548	Gold	7440-57-5	100	0.114	
4	Cover	GS-51 Nylatron	1.642004	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	2.25	3.41

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				Glass Fiber	65997-17-3	32	1.09	
				Molybdenum Disulfide	1317-33-5	2	0.07	
5	Housing x2	ShinKong compound (Black)	15.786	PBT	26062-94-2	53.7	17.62	32.80
				Glass Fiber	65997-17-3	30	9.8408	
				Brominated Epoxy Resin	68928-70-1	10.5	3.4443	
				Antimony Trioxide	1309-64-4	3	0.9841	
				Pigment Blue 15	147-14-8	0.8	0.2624	
				Further Additives, not to declare	N/A	2	0.6561	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1081	0.11
7	Mandrel Wire	Annealed Copper Wire	3.36962432	Copper	7440-50-8	100	7.00	7.00
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00006	0.0001
8	Resist Wire	Nickel/Chromium Alloy	0.42752	Nickel	7440-02-0	74	0.66	0.89
				Copper	7440-50-8	1	0.009	
				Chromium	7440-47-3	21	0.19	
				Aluminum	7429-90-5	1	0.009	
				Silicon	7440-21-3	1	0.009	
				Cobalt	7440-48-4	1	0.009	
9	Collector Bar	Nickel/Silver C762	0.063	Copper	7440-50-8	55	0.072	0.13
				Nickel	7440-02-0	18	0.02	
				Zinc	7440-66-6	27	0.0353	
		Plating	0.002	Gold	7440-57-5	100	0.004	0.004

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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	0.11	0.21
				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	Epoxy	BP8	0.00563	Epoxy Resin	25085-99-8	51	0.006	0.012
				Quartz, (SiO ₂)	14808-60-7	34	0.0040	
				Kaolin clay	1332-58-7	15	0.002	
12	Rotor Molded x2	GS-51 Nylatron	5.4975395	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	7.54	11.42
				Glass Fiber	65997-17-3	32	3.66	
				Molybdenum Disulfide	1317-33-5	2	0.228	
13	Slider Molded x2	GS-51 Nylatron	1.5875732	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	2.177	3.30
				Glass Fiber	65997-17-3	32	1.056	
				Molybdenum Disulfide	1317-33-5	2	0.066	
14	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	2.467	4.59
				Glass Fiber	65997-17-3	30	1.378	
				Brominated Epoxy Resin	68928-70-1	10.5	0.482	
				Antimony Trioxide	1309-64-4	3	0.138	

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				Pigment Blue 15	147-14-8	0.8	0.037	
				Further Additives, not to declare	N/A	2	0.092	
15	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	0.0087	
				Cobalt	7440-48-4	0.25	0.0001	
				Tin	7440-31-5	5.1	0.002120	
				Manganese	7439-96-5	0.3	0.000125	
				Misc	Not to declare	0.15	0.000062	
	Paliney #6	0.006	Palladium	7440-05-3	39.8	0.004962	0.01	
			Silver	7440-22-4	33.9	0.004227		
			Copper	7440-50-8	24.2	0.003017		
			Platinum	7440-06-4	0.5	0.000062		
			Nickel	7440-02-0	1.59	0.000198		
16	Shaft	Stainless Steel 303	6.89	Carbon	7440-44-0	0.15	0.02	14.32
				Manganese	7439-96-5	2	0.29	
				Phosphorus	7723-14-0	0.2	0.03	
				Sulfur	7704-34-9	0.15	0.02	
				Silicon	7440-21-3	0.9	0.13	
				Chromium	7440-47-3	18	2.58	
				Nickel	7440-02-0	9	1.29	
				Iron	7439-89-6	69	9.88	
17	Retaining Ring x2	Stainless Steel 420	0.018	Carbon	7440-44-0	0.15	0.00006	0.04
				Manganese	7439-96-5	1.00	0.0004	
				Silicon	7440-21-3	1.00	0.0004	

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				Phosphorous	7723-14-0	0.04	0.00001	
				Sulfur	7704-34-9	0.30	0.00011	
				Chromium	7440-47-3	14.00	0.005	
				Iron	7439-89-6	83.51	0.031	
18	Bushing	Brass C360	3.71	Copper	7440-50-8	61.50	4.741	7.71
				Zinc	7440-66-6	35.40	2.729	
				Lead	7439-92-2	3.10	0.239	
19	T.R. Terminal x4	Nickel/Silver C752	0.328	Copper	7440-50-8	65.00	0.443	0.68
				Nickel	7440-02-0	18.00	0.123	
				Zinc	7440-66-6	17.00	0.116	
		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	
Plating	0.00148	Gold	7440-57-5	100.00	0.003	0.003		
20	T.R. Pin Strip	Nickel Silver CDA752	0.61144251	Nickel	7440-02-0	18.00	0.229	1.271
				Copper	7440-50-8	65.00	0.826	
				Zinc	7440-66-6	17.00	0.216	
21	Terminal Cover x2	GS-51 Nylatron	2.735162	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	3.751	5.68
				Glass fiber	65997-17- 3	32.00	1.819	
				Molybdenum disulfide	1317-33-5	2.00	0.114	
22	Tab x2	Silver Alloy A56T	0.026624576	Silver	7440-22-4	56.00	0.0310	0.06
				Copper	7440-50-8	22.00	0.0122	
				Zinc	7440-66-6	17.00	0.0094	
				Tin	7440-31-5	5.00	0.0028	
		Strip	0.3848	Nickel	7440-02-0	100.00	0.0553	0.80
23	Lid Resin	Valox 420	0.003	PBT	30965-26- 5	55.00	0.0034	0.01

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				Glass Fiber	65997-17-3	30.00	0.001870	
				Antimony Trioxide	1309-64-4	4.00	0.000249	
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11.00	0.000686	
24	Insert x2	Aluminum 2011	0.17	Silicon	7440-21-3	0.40	0.001413	0.35
				Iron	7439-89-6	0.70	0.002473	
				Copper	7440-50-8	5.00	0.017663	
				Zinc	7440-66-6	0.30	0.001060	
				Misc., not to declare	Trade Secret	0.15	0.000530	
				Aluminum	7429-90-5	92.93	0.328261	
				Bismuth	7440-69-9	0.33	0.001148	
				Lead	7439-92-1	0.20	0.000707	
25	DC Adapter	GS-51 Nylatron	1.492319	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66.00	2.046649	3.10
				Glass fiber	65997-17-3	32.00	0.992315	
				Molybdenum disulfide	1317-33-5	2.00	0.062020	
26	Adhesive	Loctite 680	0.01	Dimethacrylate ester	Propietary	43.50	0.009039	0.02
				Hydroxyalkyl methacrylate	27813-02-1	43.50	0.009039	
				Cumene hydroperoxide	80-15-9	5.00	0.001039	
				Polyglycol dimethacrylate	Propietary	5.00	0.001039	
				Methacrylic acid	79-41-4	1.00	0.000208	
				1-Acetyl-2-phenylhydrazine	114-83-0	1.00	0.000208	
				Cumene	98-82-8	1.00	0.000208	
		Total weight	48.1241					

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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.