


MATERIAL DECLARATION SHEET



Material Number	3547H-2xE-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	Ball Bearing	Stainless Steel 400C Martensitic	0.3000	Chromium	7440-47-3	13	0.091	0.70
				Carbon	7440-44-0	0.15	0.001	
				Silicon	7440-21-3	1	0.007	
				Manganese	7439-96-5	1	0.007	
				Iron	7439-89-6	84.85	0.596	
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	0.00048	
				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	0.3000	Copper	7440-50-8	70	0.491	0.70
				Zinc	7440-66-6	30	0.21	
		Under Plating	0.0120	Nickel	7440-02-0	100	0.028	
		Finish Plating	0.0274	Gold	7440-57-5	100	0.064	
4	Cover	GS-51 Nylatron	1.642004	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	2.54	3.84

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				Glass Fiber	65997-17-3	32	1.23	
				Molybdenum Disulfide	1317-33-5	2	0.08	
5	Housing x2	ShinKong compound (Black)	15.786	PBT	26062-94-2	53.7	19.84	36.94
				Glass Fiber	65997-17-3	30	11.0830	
				Brominated Epoxy Resin	68928-70-1	10.5	3.8791	
				Antimony Trioxide	1309-64-4	3	1.1083	
				Pigment Blue 15	147-14-8	0.8	0.2955	
				Further Additives, not to declare	N/A	2	0.7389	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1217	0.12
7	Mandrel Wire	Annealed Copper Wire	3.36962432	Copper	7440-50-8	100	7.89	7.89
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00007	0.0001
8	Resist Wire	Nickel/Chromium Alloy	0.26828	Nickel	7440-02-0	74	0.46	0.63
				Copper	7440-50-8	1	0.006	
				Chromium	7440-47-3	21	0.13	
				Aluminum	7429-90-5	1	0.006	
				Silicon	7440-21-3	1	0.006	
				Cobalt	7440-48-4	1	0.006	
9	Collector Bar	Nickel/Silver C762	0.063	Copper	7440-50-8	55	0.081	0.15
				Nickel	7440-02-0	18	0.03	
				Zinc	7440-66-6	27	0.0398	
		Plating	0.002	Gold	7440-57-5	100	0.005	0.005

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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	0.13	0.23
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.013	
				Isohexadecyl-isooctadecanoate	52006-45-8	33.7	0.08	
				Polyisobutylene	9003-27-4	6.2	0.015	
11	Epoxy	BLUE EPOXY E940	0.00563	Epoxy Resin	25068-38-6	64	0.008	0.013
				Antimony Trioxide	1309-64-4	11	0.0014	
				Aluminum Oxide	1344-28-1	10	0.001	
				Kaolin Clay	1332-58-7	6	0.0008	
				Magnesium Aluminum Silicate	1327-43-1	9	0.0012	
12	Rotor Molded	GS-51 Nylatron	2.74877	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	4.25	6.43
				Glass Fiber	65997-17-3	32	2.06	
				Molybdenum Disulfide	1317-33-5	2	0.129	
13	Slider Molded	GS-51 Nylatron	0.7937866	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.226	1.86
				Glass Fiber	65997-17-3	32	0.594	
				Molybdenum Disulfide	1317-33-5	2	0.037	
14	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	2.779	5.17
				Glass Fiber	65997-17-3	30	1.552	
				Brominated Epoxy Resin	68928-70-	10.5	0.543	

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					1			
				Antimony Trioxide	1309-64-4	3	0.155	
				Pigment Blue 15	147-14-8	0.8	0.041	
				Further Additives, not to declare	N/A	2	0.103	
15	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	0.0049	
				Cobalt	7440-48-4	0.25	0.0001	
				Tin	7440-31-5	5.1	0.001194	
				Manganese	7439-96-5	0.3	0.000070	
	Misc	Not to declare	0.15	0.000035				
	Paliney #6	0.003	Palladium	7440-05-3	39.8	0.002794	0.01	
			Silver	7440-22-4	33.9	0.002380		
			Copper	7440-50-8	24.2	0.001699		
			Platinum	7440-06-4	0.5	0.000035		
			Nickel	7440-02-0	1.59	0.000112		
Zinc			7440-66-6	0.01	0.000001			
16	Shaft	Stainless Steel 303	6.89	Carbon	7440-44-0	0.15	0.02	16.12
				Manganese	7439-96-5	2	0.32	
				Phosphorus	7723-14-0	0.2	0.03	
				Sulfur	7704-34-9	0.15	0.02	
				Silicon	7440-21-3	0.9	0.15	
				Chromium	7440-47-3	18	2.90	
				Nickel	7440-02-0	9	1.45	
				Iron	7439-89-6	69	11.13	
Molybdenum	7439-98-7	0.6	0.10					
17	Retaining Ring x2	Stainless Steel 420	0.018	Carbon	7440-44-0	0.15	0.00006	0.04

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				Manganese	7439-96-5	1.00	0.0004	
				Silicon	7440-21-3	1.00	0.0004	
				Phosphorous	7723-14-0	0.04	0.00002	
				Sulfur	7704-34-9	0.30	0.00013	
				Chromium	7440-47-3	14.00	0.006	
				Iron	7439-89-6	83.51	0.035	
18	Bushing	Brass C360	3.71	Copper	7440-50-8	61.50	5.340	8.68
				Zinc	7440-66-6	35.40	3.074	
				Lead	7439-92-2	3.10	0.269	
19	T.R. Terminal x4	Nickel/Silver C752	0.328	Copper	7440-50-8	65.00	0.499	0.77
				Nickel	7440-02-0	18.00	0.138	
				Zinc	7440-66-6	17.00	0.130	
		Solder Inlay	0.0002	Silver	7440-22-4	56.00	0.0003	0.0005
				Copper	7440-50-8	22.00	0.0001	
				Zinc	7440-66-6	17.00	0.00008	
				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	0.258	1.431
				Copper	7440-50-8	65.00	0.930	
				Zinc	7440-66-6	17.00	0.243	
21	Terminal Cover x2	GS-51 Nylatron	2.735162	Nylon 6.6 (polyhexamethylene adipamide)	32131-17- 2	66.00	4.225	6.40
				Glass fiber	65997-17- 3	32.00	2.048	
				Molybdenum disulfide	1317-33-5	2.00	0.128	
22	Lid Resin	Valox 420	0.003	PBT	30965-26- 5	55.00	0.0039	0.01
				Glass Fiber	65997-17- 3	30.00	0.002106	
				Antimony Trioxide	1309-64-4	4.00	0.000281	

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				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11.00	0.000772	
23	Insert	Aluminum 2011	0.085	Silicon	7440-21-3	0.40	0.000796	0.20
				Iron	7439-89-6	0.70	0.001392	
				Copper	7440-50-8	5.00	0.009946	
				Zinc	7440-66-6	0.30	0.000597	
				Misc., not to declare	Trade Secret	0.15	0.000298	
				Aluminum	7429-90-5	92.93	0.184849	
				Bismuth	7440-69-9	0.33	0.000646	
				Lead	7439-92-1	0.20	0.000398	
24	Ink	138:Hyb. Beta/Gamma	0.34	3-chloroprop-1-ene, formaldehyde, phenol	28470-78-2	38.00	0.302363	0.80
				Carbon Black	1333-86-4	20.70	0.164708	
				Diallyl Isophthalate	1087-21-4	35.80	0.284857	
				Graphite	7782-42-5	5.50	0.043763	
25	Tab x2	Silver Alloy A56T	0.026624576	Silver	7440-22-4	56.00	0.034893	0.06
				Copper	7440-50-8	22.00	0.013708	
				Zinc	7440-66-6	17.00	0.010592	
				Tin	7440-31-5	5.00	0.003115	
		Strip	0.1924	Nickel	7440-02-0	100.00	0.450268	0.45
26	Lube	Versilube G321	0.09	Siloxanes and Silicones, di-Me, di-Ph	68083-14-7	68.90	0.145120	0.21
				Lithium stearate	4485-12-5	25.40	0.053499	
				Silane, dichlorodimethyl-reaction products with silica	68611-44-9	4.80	0.010110	
				Diphenylamine	122-39-4	0.90	0.001896	
Total weight			42.7301					

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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.