


MATERIAL DECLARATION SHEET



Material Number	3548H-1xC-xxxx 3548H-1xD-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	0.179	0.26
				Zinc	7440-66-6	30	0.0769	
		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	0.16
				Manganese	7439-96-5	2	0.003	
				Phosphorus	7723-14-0	0.045	0.00007	
				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	0.11	
		Plating	0.0001	Nickel	7440-02-0	100	0.0003	0.0003
3	Terminal Wiper	Brass C260	0.3000	Copper	7440-50-8	70	0.179	0.94
				Zinc	7440-66-6	30	0.28	
		Under Plating	0.0120	Nickel	7440-02-0	100	0.038	
		Finish Plating	0.0274	Gold	7440-57-5	100	0.086	
4	Cover	GS-51 Nylatron	1.642004	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.39	5.14
				Glass Fiber	65997-17-	32	1.64	

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					3			
				Molybdenum Disulfide	1317-33-5	2	0.10	
5	Housing	ShinKong compound (Black)	7.893	PBT	26062-94-2	53.7	13.27	24.71
				Glass Fiber	65997-17-3	30	7.4118	
				Brominated Epoxy Resin	68928-70-1	10.5	2.5941	
				Antimony Trioxide	1309-64-4	3	0.7412	
				Pigment Blue 15	147-14-8	0.8	0.1976	
				Further Additives, not to declare	N/A	2	0.4941	
6	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100	0.1628	0.16
7	Mandrel Wire	Annealed Copper Wire	3.68544	Copper	7440-50-8	100	11.54	11.54
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00010	0.0001
8	Resist Wire	Nickel/ Chromium Alloy	0.674	Nickel	7440-02-0	74	1.56	2.11
				Copper	7440-50-8	1	0.02	
				Chromium	7440-47-3	21	0.44	
				Aluminum	7429-90-5	1	0.021	
				Silicon	7440-21-3	1	0.021	
				Cobalt	7440-48-4	1	0.021	
9	Collector Bar	Nickel/Silver C762	0.063	Copper	7440-50-8	55	0.108	0.20
				Nickel	7440-02-0	18	0.04	
				Zinc	7440-66-6	27	0.0532	
		Plating	0.002	Gold	7440-57-5	100	0.006	0.006

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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	0.17	0.31
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.018	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.7	0.11	
				Polyisobutylene	9003-27-4	6.2	0.019	
11	Lube	NYE 774F	0.00815	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	58.8	0.015	0.03
				1-Propene, polymer with ethene	9010-79-1	30.8	0.008	
				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	0.011	0.018
				Antimony Trioxide	1309-64-4	11	0.0019	
				Aluminum Oxide	1344-28-1	10	0.002	
				Kaolin Clay	1332-58-7	6	0.0011	
				Magnesium Aluminum Silicate	1327-43-1	9	0.0016	
13	Rotor Molded	GS-51 Nylatron	1.58757	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.28	4.97
				Glass Fiber	65997-17-3	32	1.59	
				Molybdenum Disulfide	1317-33-5	2	0.099	

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14	Slider Molded	GS-51 Nylatron	0.7937866	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.640	2.48
				Glass Fiber	65997-17-3	32	0.795	
				Molybdenum Disulfide	1317-33-5	2	0.050	
15	Lid Molded	ShinKong compound (Black)	2.2112628	PBT	26062-94-2	53.7	3.717	6.92
				Glass Fiber	65997-17-3	30	2.076	
				Brominated Epoxy Resin	68928-70-1	10.5	0.727	
				Antimony Trioxide	1309-64-4	3	0.208	
				Pigment Blue 15	147-14-8	0.8	0.055	
				Further Additives, not to declare	N/A	2	0.138	
16	Contact Spring	Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.875	0.02	0.03
				Lead	7439-92-1	0.025	0.00001	
				Iron	7439-89-6	0.3	0.0001	
				Nickel	7440-02-0	21	0.0066	
				Cobalt	7440-48-4	0.25	0.0001	
				Tin	7440-31-5	5.1	0.001596	
				Manganese	7439-96-5	0.3	0.000094	
	Misc	Not to declare	0.15	0.000047				
	Paliney #6	0.003	Palladium	7440-05-3	39.8	0.003737	0.01	
			Silver	7440-22-4	33.9	0.003183		
			Copper	7440-50-8	24.2	0.002272		
			Platinum	7440-06-4	0.5	0.000047		
			Nickel	7440-02-0	1.59	0.000149		
Zinc			7440-66-6	0.01	0.000001			
17	Shaft	Stainless Steel 303	6.89	Carbon	7440-44-0	0.15	0.03	21.57

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				Manganese	7439-96-5	2	0.43	
				Phosphorus	7723-14-0	0.2	0.04	
				Sulfur	7704-34-9	0.15	0.03	
				Silicon	7440-21-3	0.9	0.19	
				Chromium	7440-47-3	18	3.88	
				Nickel	7440-02-0	9	1.94	
				Iron	7439-89-6	69	14.88	
				Molybdenum	7439-98-7	0.6	0.13	
18	Washer x2	Stainless Steel 301	0.002	Carbon	7440-44-0	0.15	0.00001	0.0063
				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	0.00006	
				Chromium	7440-47-3	17.00	0.0011	
				Nickel	7440-02-0	7.00	0.0020	
				Iron	7439-89-6	72.78	0.0205	
19	Retaining Ring	Stainless Steel 420	0.009	Carbon	7440-44-0	0.15	0.00004	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	0.00008	
				Chromium	7440-47-3	14.00	0.004	
				Iron	7439-89-6	83.51	0.024	
20	Bushing	Phosphor Bronze 544	3.71	Lead	7440-31-5	3.00	0.348	11.61
				Tin	7439-92-1	0.10	0.012	
				Zinc	7440-66-6	4.50	0.523	
				Iron	7439-89-6	4.50	0.523	
				Phosphorus	7723-14-0	0.50	0.058	
				Copper	7440-50-8	87.40	10.149	

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21	T.R. Terminal x2	Nickel/Silver C752	0.164	Copper	7440-50-8	65.00	0.334	0.51		
				Nickel	7440-02-0	18.00	0.092			
				Zinc	7440-66-6	17.00	0.087			
		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	0.00005	
						Tin	7440-31-5	5.00	0.00002	
Plating	0.00074			Gold	7440-57-5	100.00	0.002	0.002		
22	T.R. Pin Strip	Nickel Silver CDA752	0.249	Nickel	7440-02-0	18.00	0.140	0.779		
				Copper	7440-50-8	65.00	0.507			
				Zinc	7440-66-6	17.00	0.132			
23	Terminal Cover	GS-51 Nylatron	1.367581	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66.00	2.825	4.28		
				Glass fiber	65997-17-3	32.00	1.370			
				Molybdenum disulfide	1317-33-5	2.00	0.086			
24	Lid Resin	Valox 420	0.003	PBT	30965-26-5	55.00	0.0052	0.01		
				Glass Fiber	65997-17-3	30.00	0.0028			
				Antimony Trioxide	1309-64-4	4.00	0.0004			
				Brominated FR (TBBPA polycarbonate polymer)	trade secret	11.00	0.0010			
25	Ink	138:Hyb. Beta/Gamma(25/75) Ink	0.35	3-chloroprop-1-ene,formaldehyde,phenol	28470-78-2	38.00	0.4163	1.10		
				Carbon Black	1333-86-4	20.70	0.2268			
				Diallyl Isophthalate	1087-21-4	35.80	0.3922			
				Graphite	7782-42-5	5.50	0.0603			
		Total weight	31.9478							

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Important remarks:

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