

# MATERIAL DECLARATION SHEET



Material Number	3541H-L		
Product Line	Sensors & Controls		
Compliance Date	5/20/2024		
RoHS Compliant	Yes	MSL	N/A

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
				Substance				
1	Ink	Ink 138: Gamma (23/77) Hybritron Beta	0.34	3-chloroprop-1-ene, formaldehyde, phenol	28470-78-2	38	0.6576	1.73
				Carbon Black	1333-86-4	20.7	0.3582	
				Diallyl Isophthalate	1087-21-4	35.8	0.6195	
				Graphite	7782-42-5	5.5	0.0952	
2	Mandrel Wire	Annealed Copper Wire	3.005	Copper	7440-50-8	100	15.2951	15.30
		Coating	0.000103	Polyamide 6.6	32131-17-2	100	0.0005	0.001
3	Varnish	9637 Varnish	0.15	Phenolic Resin	Trade Secret	100	0.7635	0.76
4	Terminal Cover	Nylatron	1.315	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	0.66	0.0442	6.69
				Glass fiber	65997-17-3	0.32	0.0214	
				Molybdenum disulfide	1317-33-5	0.02	0.0013	
5	T.R. Terminals x 2	Nickel/Silver Alloy C752	0.075	Copper	7440-50-8	65	0.2481	0.42
				Nickel	7440-02-0	18	0.0687	
				Zinc	7440-66-6	17	0.0649	

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		Plating	0.00684	Gold	7440-57-5	75	0.0261	
				Silver	7440-22-4	25	0.0087	
6	Housing	Shinkong compound	4.565	PBT	30965-26-5	49	11.3853	23.24
				Glass Fibers	65997-17-3	35	8.1324	
				Brominated epoxy resin	68928-70-1	10	2.3235	
				Antimony trioxide	1309-64-4	6	1.3941	
				Aluminum	7429-90-5	94.5	5.4930	
7	Bushing	Aluminum 2011	1.142	Copper	7440-50-8	5.5	0.3197	6.00
		Plating	0.037	Nickel	7440-02-0	100	0.188326	
8	Strap	Nickel/Silver C752	2.303	Copper	7440-50-8	65	7.6193	11.72
				Nickel	7440-02-0	18	2.1100	
				Zinc	7440-66-6	17	1.9927	
9	Terminal Wiper	Plating	0.02739	Gold	7440-57-5	100	0.1394	1.67
		Brass C260	0.3	Copper	7440-50-8	70	1.0689	
				Zinc	7440-66-6	30	0.4581	
10	Contact Spring	Alloy B540	0.006	Silver	7440-22-4	29	0.0089	0.03
				Copper	7440-50-8	14.5	0.0044	
				Gold	7440-57-5	10.5	0.0032	
				Platinum	744-06-4	10.5	0.0032	
				Zinc	7440-66-6	1.2	0.0004	
				Paladium	7440-05-3	34.3	0.0105	
11	Collector Bar	Plating	0.0059	Gold	7440-57-5	100	0.0300	0.36
		Nickel Silver B122	0.065	Copper	7440-50-8	65	0.2150	
				Nickel	7440-02-0	18	0.0596	
				Zinc	7440-66-6	17	0.0562	
12	Cover	Shinkong compound	1.53	PBT	30965-26-5	49	3.8159	7.79
				Glass Fibers	65997-17-3	35	2.7256	

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				Brominated epoxy resin	68928-70-1	10	0.7788	
				Antimony trioxide	1309-64-4	6	0.4673	
13	Lube	Lube NYE 799	0.1	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.4	0.2769	0.51
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.0290	
				Isohexadecyl-isooctadecanoate	52006-45-8	33.7	0.1715	
				Polyisobutylene	9003-27-4	5.2	0.0265	
14	Lube	Nye 774F	0.00815	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	58.8	0.0022	0.04
				1-Propene, polymer with ethene	9010-79-1	30.8	0.0244	
				Silica, amorphous fumed	112945-52-5	5.4	0.0128	
				Ethene, tetrafluoro-, homopolymer	9002-84-0	5	0.0022	
15	Rotor	Shinkong compound	2.721	PBT	30965-26-5	49	6.7863	13.85
				Glass Fibers	65997-17-3	35	4.8474	
				Brominated epoxy resin	68928-70-1	10	1.3850	
				Antimony trioxide	1309-64-4	6	0.8310	
16	C-Ring	Stainless Steel	0.009	Carbon	7440-44-0	0.15	0.0001	0.05

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		420		Manganese	7439-96-5	1	0.0005	
				Silicon	7440-21-3	1	0.0005	
				Phosphorous	7723-14-0	0.04	0.0000	
				Sulfur	7704-34-9	0.3	0.0001	
				chromium	7440-47-3	14	0.0064	
				Iron	7439-89-6	83.51	0.0383	
17	Shaft	Brass C360	1.179	Copper	7440-50-8	61.5	3.6906	6.00
				Zinc	7440-66-6	35.4	2.1243	
				Lead	7439-92-2	3.1	0.1860	
		Plating	0.10767	Nickel	7440-02-0	100	0.5480	0.55
18	Epoxy	Epoxy E9409FRx	0.00563	Epoxy resin	25068-38-6	64	0.0183	0.03
				Antimony trioxide	1309-64-4	11	0.0032	
				Aluminum oxide	1344-28-1	10	0.0029	
				Kaolin clay	1332-58-7	6	0.0017	
				Mg alumino silicate	1302-88-1	9	0.0026	
19	Hex Nut	Plating	0.0001	Nickel	7440-02-0	100	23.2354	0.001
		Brass C260	0.0819	Copper	7440-50-8	70	0.2918	0.42
				Zinc	7440-66-6	30	0.1251	
20	Lockwasher	Stainless Steel 304	0.05	Carbon	7440-44-0	0.08	0.0002	0.25
				Manganese	7439-96-5	2	0.0051	
				Phosphorus	7723-14-0	0.045	0.0001	
				Sulfur	7704-34-9	0.03	0.0001	
				Silicon	7440-21-3	0.75	0.0019	
				Chromium	7440-47-3	18	0.0458	
				Nickel	7440-02-0	8	0.0204	
				Iron	7439-89-6	71.095	0.1809	
		Plating	0.0001	Nickel	7440-02-0	100	0.0005	0.001
21	Washer	Stainless Steel 301	0.001	Carbon	7440-44-0	0.15	0.0000	0.005

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				Manganese	7439-96-5	2	0.0001		
				Phosphorus	7723-14-0	0.045	0.000002		
				Sulfur	7704-34-9	0.03	0.000002		
				Silicon	7440-21-3	1	0.0001		
				Chromium	7440-47-3	17	0.0009		
				Nickel	7440-02-0	7	0.0004		
				Iron	7439-89-6	72.775	0.0037		
				PBT	30965-26-5	49	0.7788		
				Glass Fibers	65997-17-3	35	1.2720		
22	Slider	Shinkong compound	0.51	Brominated epoxy resin	68928-70-1	10	0.9085	2.60	
				Antimony trioxide	1309-64-4	6	0.2596		
			Total Weight	19.646783					

**This Document was updated on: 5/20/2024**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.