MATERIAL DECLARATION SHEET

BOURNS®

Material Number	3547H-L		
Product Line	Sensors & Controls		
Compliance Date	5/28/2024		
RoHS Compliant	Yes	MSL	N/A

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Hex Nut	Brass C260	0.0819	Copper	7440-50-8	70	0.191	0.27
				Zinc	7440-66-6	30	0.0820	
		Plating	0.0001	Nickel	7440-02-0	100	0.27	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	0.17	0.00
3	Terminal Wiper	Brass C260	0.2640	Copper	7440-50-8	70	0.191	0.88
				Zinc	7440-66-6	30	0.26	
		Under Plating	0.0120	Nickel	7440-02-0	100	0.040	
		Finish Plating	0.0026	Gold	7440-57-5	100	0.009	
4	Cover	Nylatron	1.642	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.62	5.48
				Glass fiber	65997-17-	32	1.75	

					3			
				Molybdenum disulfide	1317-33-5	2	0.11	
5	Housing	ShinKong compound (Black)	7.893	PBT	30965-26-5	49	12.91	26.35
				Gass fiber	65997-17-3	35	9.2234	
				Brominated epoxy resin	68928-70-1	10	2.6353	
				Antimony trioxide	1309-64-4	6	1.5812	
6	Varnish	Varnish	0.15	Phenolic Resin	9003-35-4	100	0.5008	0.50
7	Mandrel Wire	Annealed Copper Wire	1.684	Copper	7440-50-8	100	5.62	5.62
		Coating	0.0000312	Polyamide	63428-83-1	100	0.00010	0.0001
8	Resist Wire	Annealed Copper Wire	0.21346	Copper	7440-50-8	100	0.71	0.71
9	Collector Bar	Nickel/Silver C762	0.074	Copper	7440-50-8	55	0.136	0.25
				Nickel	7440-02-0	18	0.04	
				Zinc	7440-66-6	27	0.0667	
		Plating	0.0009	Gold	7440-57-5	100	0.003	0.003
10	Lube	Lube	0.005	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.4	0.01	0.02
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.001	
				Isohexadecyl-isooctadecanoate	52006-45-8	33.7	0.01	
				Polyisobutylene	9003-27-4	5.2	0.001	
11	Lube	Lube	0.008	1-Decene, tetramer, mixed with 1-decene trimer, hydorgenated	68649-12-7	58.8	0.016	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	48	0.009	0.019
				Epoxy resin	25085-99-8	10	0.0019	
				Aluminum trihydrate	21645-51-2	21	0.004	
				Magnesium alumino silicate	1327-43-1	9.3	0.0017	
				Kaolin hydrous	1332-58-7	6	0.0011	
				Resin	2210-79-9	4.2	0.0008	
				Titanium dioxide	13463-67-7	1	0.00019	
				Pigment	147-14-8	0.5	0.00009	
13	Rotor Molded	GS-51 Nylatron	1.587	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.50	5.30
				Glass fiber	65997-17-3	32	1.70	
				Molybdenum disulfide	1317-33-5	2	0.106	
14	Slider Molded	GS-51 Nylatron	0.793	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	1.75	2.65
				Glass fiber	65997-17-3	32	0.85	
				Molybdenum disulfide	1317-33-5	2	0.05	
15	Contact Spring	Paliney #6	0.01	Palladium	7440-05-3	39.8	0.01	0.03

				Silver	7440-22-4	33.9	0.01	
				Copper	7440-50-8	24.2	0.008	
				Platinum	7440-06-4	0.5	0.0002	
				Nickel	7440-02-0	1.59	0.001	
				Zinc	7440-66-6	0.01	0.000003	
		Pfinodal C72900	0.003	Nickel	7440-02-0	15.5	0.00155	0.01
				Tin	7440-31-5	8.5	0.00085	
				Copper	7440-50-8	76	0.00761	
16	Shaft	Brass C360	7.693	Copper	7440-50-8	61.5	15.80	25.68
				Zinc	7440-66-6	35.4	9.09	
				Lead	7439-92-2	3.1	0.796	
		Plating	0.0293	Nickel	7440-02-0	100	0.098	0.10
17	Washer x 2	Stainless Steel 301	0.05	Carbon	7440-44-0	0.15	0.0003	0.17
				Manganese	7439-96-5	2	0.003	
				Phosphorus	7723-14-0	0.05	0.0001	
				Sulfur	7704-34-9	0.03	0.0001	
				Silicon	7440-21-3	1.00	0.002	
				Chromium	7440-47-3	17.00	0.028	
				Nickel	7440-02-0	7.00	0.002	
				Iron	7439-89-6	72.78	0.022	
18	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	0.025	
19	Bushing	Brass C360	3.309	Copper	7440-50-8	61.50	6.794	11.05

				Zinc	7440-66-6	35.40	3.911	
				Lead	7439-92-2	3.10	0.342	
20	Lid	ShinKong compound (Black)	2.211	PBT	30965-26-5	49	3.617	7.38
				Glass fiber	65997-17-3	35	2.584	
				Brominated epoxy resin	68928-70-1	10	0.738	
				Antimony trioxide	1309-64-4	6	0.443	
20	T.R. Terminal	Nickel/Silver C752	0.082	Copper	7440-50-8	65.00	0.178	0.27
				Nickel	7440-02-0	18.00	0.049	
				Zinc	7440-66-6	17.00	0.047	
		Solder Inlay	0.00005	Silver	7440-22-4	56.00	0.0001	0.0002
				Copper	7440-50-8	22.00	0.0000	
				Zinc	7440-66-6	17.00	0.00003	
				Tin	7440-31-5	5.00	0.00001	
		Plating	0.00037	Gold	7440-57-5	100.00	0.001	0.001
21	T.R. Pin Strip	Nickel Silver CDA752	0.296	Nickel	7440-02-0	18.00	0.178	0.988
				Copper	7440-50-8	65.00	0.642	
				Zinc	7440-66-6	17.00	0.168	
22	Terminal Cover	GS-51 Nylatron	1.367	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66.00	3.012	4.56
				Glass fiber	65997-17-3	32.00	1.460	
				Molybdenum disulfide	1317-33-5	2.00	0.091	
23	Tab	Silver Alloy A56T	0.01757	Silver	7440-22-4	56.00	0.033	0.06
				Copper	7440-50-8	22.00	0.013	
				Zinc	7440-66-6	17.00	0.010	
				Tin	7440-31-5	5.00	0.003	

		Strip	0.1924	Nickel	7440-02-0	100.00	0.642	0.64
24	Lube	Lube	0.005	Siloxanes and Silicones, di-Me, di-Ph	68083-14-7	68.90	0.012	0.02
				Lithium stearate	4485-12-5	25.40	0.004	
				Silane, dichorodimethyl-reaction products with silica	68611-44-9	4.80	0.001	
				Diphenylamine	122-39-4	0.90	0.0002	
25	Ink	Ink	0.21	3-chloroprop-1-ene,formaldehyde,phenol	28470-78-2	38.00	0.2664	0.70
				Carbon Black	1333-86-4	20.70	0.1451	
				Diallyl Isophthalate	1087-21-4	35.80	0.2510	
				Graphite	7782-42-5	5.50	0.0386	
		Total weight	29.9514					

This Document was updated on: 5/28/2024

Important remarks:

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