


# MATERIAL DECLARATION SHEET



Material number	3315Y-L			
Product Line	Sensors & Controls			
Compliance Date	10/14/2024			
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	Lockwasher	Stainless Steel 304	0.049	Carbon	7440-44-0	0.080	0.002	2.07
				Manganese	7439-96-5	2.000	0.041	
				Phosphorus	7723-14-0	0.045	0.001	
				Sulfur	7704-34-9	0.030	0.001	
				Silicon	7440-21-3	0.750	0.016	
				Chromium	7440-47-3	18.000	0.373	
				Nickel	7440-02-0	8.000	0.166	
				Iron	7439-89-6	71.095	1.472	
		Under plating	0.001	Copper	7440-50-8	100.000	0.0423	0.04
Plating	0.001	Nickel	7440-02-0	100.000	0.0423	0.04		
2	Hexnut	Brass C360	0.0819	Copper	7440-50-8	61.50	2.129	3.46
				Zinc	7440-66-6	35.40	1.225	
				Lead	7439-92-1	3.10	0.107	
		Plating	0.0001	Nickel	7440-02-0	100.00	0.004	0.004
3	Dielectric Ink	CP-43	0.008	DAIP resin	1087-21-4	71.00	0.2401	0.3381
				Barium sulfate	7727-43-7	28.00	0.09468	
				Pigment	84632-65-5	1.00	0.003381	
4	Substrate	Cermet Substrate	0.154	Aluminum oxide	1344-28-1	96.00	6.2489	6.5092

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				Silicon Dioxide	7631-86-9	2.00	0.13018	
				Magnesium Oxide	1309-48-4	1.00	0.065092	
				Calcium Oxide	1305-78-8	1.00	0.065092	
5	Termination Ink	6010 Ink	0.012	Silver	7440-22-4	71	0.36164	0.50721
				Palladium	7440-05-3	18	0.09079	
				Lead glass	7439-92-1	2.0	0.010144	
				Bismuth Trioxide	1304-76-3	7.4	0.03753	
				Copper Oxide	1317-39-1	1.0	0.005072	
6	Wire	Copper Alloy C102	0.1417476	Copper	7440-50-8	99.999	5.991	5.99
		Plating	0.00018	Oxygen	7782-44-7	0.001	0.000060	
				Tin	7440-31-5	100.00	0.01	0.01
7	Housing	Shinkong compound	1.36	PBT	30965-26-5	49	28.17	57.48
				Glass Fibers	65997-17-3	35	20.12	
				Brominated epoxy resin	68928-70-1	10	5.75	
				Antimony trioxide	1309-64-4	6	3.45	
8	Rotor/Shaft	Shinkong compound	0.45	PBT	30965-26-5	49	9.32	19.02
				Glass Fibers	65997-17-3	35	6.66	
				Brominated epoxy resin	68928-70-1	10	1.902	
				Antimony trioxide	1309-64-4	6	1.141	
9	Epoxy	UV-2665 Epoxy	0.08	Caprolacton, trimethylpropan polymer	37625-56-2	60.00	2.0289	3.381
				Aluminum trioxide	1344-28-1	30.00	1.0144	
				Hydrophobic pyrogenic silica	112945-52-5	10.00	0.3381	
10	O-Ring	Silicon Rubber	0.0113	Silicon Rubber	63394-02-5	100.00	0.48	0.478
11	Contact Spring	Nickel/Silver C762	0.005	Copper	7440-50-8	55.00	0.11624	0.21134
				Nickel	7440-02-0	18.00	0.03804	
				Zinc	7440-66-6	27.00	0.05706	
		Nickel Strip Inlay	0.003	Silver	7440-22-4	56.00	0.07101	0.12680
				Copper	7440-50-8	22.00	0.02790	
				Zinc	7440-66-6	17.00	0.02156	

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			Tin	7440-31-5	5.00	0.00634	
			Nickel	7440-02-0	18.00	0.02282	
		Strip	Copper	7440-50-8	65.00	0.08242	0.12680
			Zinc	7440-66-6	17.00	0.02156	
		Back up Strip Solder	Silver	7440-22-4	5.20	0.00022	
			Bismuth	7440-69-9	0.30	0.00001	0.00423
			Tin	7440-31-5	94.50	0.00399	
		Laminated Back Up Strip Brass C260	Copper	7440-50-8	70.00	0.13	0.192
			Zinc	7440-66-6	30.00	0.06	
		<b>Total Weight</b>					<b>2.37</b>

**This Document was updated on: 10/15/2024**

**Important remarks:**

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