


MATERIAL DECLARATION SHEET



Material Number	3862x-xx5-xxxxL 3862x-xx6-xxxxL 3862x-xx7-xxxxL			
Product Line	Sensors & Controls			
Compliance Date	3/31/2025			
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	O-ring	Silicon Rubber	0.0113	Silicon Rubber	63394-02-5	100.00	0.14	0.14
2	Lockwasher	Carbon Steel	0.05	Iron	7439-89-6	98.31	0.6151	0.6257
				Manganese	7439-96-5	0.9	0.0056	
				Carbon	7440-44-0	0.7	0.0044	
				Sulfur	7704-34-9	0.05	0.00031	
				Phosphorus	7723-14-0	0.04	0.0003	
		Coating	0.001	Iron Oxide Black	1309-38-2	100.00	0.01251	0.0125
3	Retaining Ring	Stainless Steel 420	0.2493	Carbon	7440-44-0	0.15	0.00468	3.12
				Silicon	7440-21-3	1.00	0.03120	
				Manganese	7439-96-5	1.00	0.03120	
				phosphorus	7723-14-0	0.04	0.001248	
				Sulfur	7704-34-9	0.03	0.000936	
				Chromium	7440-47-3	14.00	0.43678	
				Iron	7439-89-6	83.78	2.6138	
4	Conductor Ink	Ink	0.0160	Silver	7440-22-4	74.50	0.15	0.20
				Palladium	7440-05-3	12.70	0.025	

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				Bismuth Trioxide	1304-76-3	9.20	0.018	
				Ruthenium Dioxide	12036-10-1	1.20	0.002	
				Lead Glass	7439-92-1	1.80	0.004	
				Nickel Oxide	1313-99-1	0.60	0.001	
5	Resistive Ink	Ink	0.00187	Ruthenium oxide	12036-10-1	12.10	0.003	0.02
				Silver	7440-22-4	10.10	0.002	
				Palladium	7440-05-3	12.10	0.003	
				Lead glass	7439-92-1	36.30	0.008	
				Aluminum oxide	1344-28-1	3.10	0.0007	
				Calcium oxide	1305-78-8	1.10	0.0003	
				Bismuth trioxide	1304-76-3	11.10	0.0026	
				Digadolinium trioxide	12064-62-9	14.10	0.0033	
6	Ink	Ink	0.01513	Ruthenium oxide	12036-10-1	15.00	0.028	0.19
				Silver	7440-22-4	5.00	0.009	
				Palladium	7440-05-3	5.00	0.009	
				Lead glass	7439-92-1	43.00	0.081	
				Aluminum oxide	1344-28-1	5.00	0.009	
				Bismuth trioxide	1304-76-3	13.00	0.025	
				Digadolinium trioxide	12064-62-9	14.00	0.027	
7	Contact Spring	Nickel/Silver C770	0.0113398	Copper	7440-50-8	59.00	0.08	0.14
				Nickel	7440-02-0	12.00	0.02	
				Zinc	7440-66-6	29.00	0.04	
8	Bushing	Brass C353	1.396	Copper	7440-50-8	63.00	11.006	17.47
				Zinc	7440-66-6	35.35	6.176	
				Lead	7440-31-5	1.50	0.262	
				Iron	7439-89-6	0.15	0.026	
		Plating	0.004	Nickel	7440-02-0	100.00	0.0501	0.05

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9	Retainer Ring	Brass C260	0.2493	Copper	7440-50-8	70.00	2.184	3.12
				Zinc	7440-66-6	30.00	0.936	
		Plating	0.007	Nickel	7440-02-0	100	0.08760	0.09
10	Rotor	Nylatron	1.50	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66.00	12.36	18.73
				Glass Fiber	65997-17-3	32.00	5.99	
				Molybdenum Disulfide	1317-33-5	2.00	0.37	
11	Housing	Brass C260	0.948	Copper	7440-50-8	70.00	8.3002	11.86
				Zinc	7440-66-6	30.00	3.5572	
		Plating	0.003	Nickel	7440-02-0	100.00	0.0313	0.03
12	Hex Nut	Brass C360	0.005	Copper	7440-50-8	61.50	0.038	0.062572
				Zinc	7440-66-6	35.40	0.022	
				Lead	7439-92-1	3.10	0.002	
		Plating	0.001	Nickel	7440-02-0	100.00	0.013	0.012514
13	Shaft	Brass C360	2.5000	Copper	7440-50-8	61.50	19.24	31.28602
				Zinc	7440-66-6	35.40	11.08	
				Lead	7439-92-1	3.10	0.97	
		Plating	0.0070	Nickel	7440-02-0	100.00	0.09	0.08760
14	Lube	Lubricant	0.002	Ethene, tetrafluoro-oxidized polyimd.	69991-61-3	78.00	0.01952	0.025029
				Ethene, tetrafluoro-homopolymer	9002-84-0	22.00	0.00551	
15	Lube	Lubricant	0.003	Fluorosilicone	63148-56-1	99.10	0.0372	0.0375432
				PTFE	9002-84-0	0.90	0.0003379	
16	Substrate	Ceramic Substrate	0.83470	Aluminum oxide	1344-28-1	96.00	10.0279	10.445776
				Silicon Dioxide	7631-86-9	2.00	0.2089	

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				Magnesium Oxide	1309-48-4	1.00	0.1045	
				Calcium Oxide	1305-78-8	1.00	0.1045	
17	Pin x 3	Copper Alloy C102	0.1785	Copper	7440-50-8	99.999	2.2338	2.23382
				Oxygen	7782-44-7	0.001	0.000022	
		Plating	0.0005	Tin	7440-31-5	100.00	0.0063	0.006257
		Total Weight	7.99					

This Document was updated on: 03/31/2025

Important remarks:

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