


MATERIAL DECLARATION SHEET



Material number	3590P-1-xxxL			
Product Line	Non-Contacting Analog Rotary Position Sensor			
Compliance Date	2/25/2025			
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	70.00	0.273	0.39
				Zinc	7440-66-6	30.00	0.117	
		Plating	0.0001	Nickel	7440-02-0	100.00	0.0005	0.0005
2	Lockwasher	Stainless Steel 304	0.05	Carbon	7440-44-0	0.18	0.0004	0.24
				Manganese	7439-96-5	2.00	0.005	
				Phosphorus	7723-14-0	0.045	0.00011	
				Sulfur	7704-34-9	0.03	0.00007	
				Silicon	7440-21-3	0.75	0.0018	
				Chromium	7440-47-3	17.00	0.04	
				Nickel	7440-02-0	8.00	0.019	
				Iron	7439-89-6	71.995	0.17	
3	Epoxy	Epoxy	0.1280	Epoxy resin	2386-87-0	65.00	0.396	0.61
				Caprolacton, trimethylpropan polymer	37625-56-2	20.00	0.122	
				Aluminum trioxide	1344-28-1	10.00	0.061	
				Hydrophobic pyrogenic silica	112945-52-5	3.50	0.021	
				Propylene carbonate	108-32-7	1.50	0.009	
4	Housing	ShinKong	3.85554	PBT	26062-94-	53.70	9.86	18.35

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		compound (Blue)			2			
				Glass Fiber	65997-17-3	30.00	5.51	
				Brominated Epoxy Resin	68928-70-1	10.50	1.93	
				Antimony Trioxide	1309-64-4	3.00	0.55	
				Pigment Blue 15	147-14-8	0.80	0.15	
				Further Additives, not to declare	N/A	2.00	0.37	
5	T.R. Terminal x2	Copper CDA 194	0.121	Copper	7440-50-8	97.40	0.56	0.58
				Iron	7439-89-6	2.40	0.0138	
				Zinc	7440-66-6	0.15	0.0009	
				Phosphorus	7723-14-0	0.05	0.0003	
		Plating	0.004	Tin	7440-31-5	100.00	0.0190	0.02
		Under Plating	0.004	Copper	7440-50-8	100.00	0.0190	0.02
		Solder Inlay	0.002	Silver	7440-22-4	100.00	0.0095	0.01
		Silver Alloy	0.07	Silver	7440-22-4	45.00	0.1499	0.33
				Copper	7440-50-8	15.00	0.0500	
				Zinc	7440-66-6	16.00	0.0533	
Cadmium	7440-43-9			24.00	0.0800			
6	Mandrel Wire	Annealed Copper Wire	1.72932	Copper	7440-50-8	100.00	8.23	8.23
		Coating	0.0000312	Polyamide	63428-83-1	100.00	0.0001	0.0001
7	Resist Wire	Nickel/Chromium Alloy	0.22	Nickel	7440-02-0	74.00	0.77	1.05
				Copper	7440-50-8	1.00	0.0105	
				Chromium	7440-47-3	21.00	0.21992	
				Aluminum	7429-90-5	1.00	0.01047	
				Silicon	7440-21-3	1.00	0.01047	
				Cobalt	7440-48-4	1.00	0.01047	
				Manganese	7439-96-5	1.00	0.01047	
8	Varnish	Varnish	0.052	Phenolic Resin	9003-35-4	100.00	0.24753	0.25

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9	Collector Bar	Beryllium Copper Alloy CA-172 alloy 25	0.031	Beryllium	7440-41-7	1.90	0.003	0.15
				Copper	7440-50-8	97.48	0.14	
				Cobalt	7440-48-4	0.20	0.0003	
				Nickel	7440-02-0	0.20	0.0003	
				Iron	7439-89-6	0.20	0.0003	
				Lead	7439-92-1	0.02	0.00003	
	Under Plating		0.001	Nickel	7440-02-0	100.00	0.00476	0.005
	Plating		0.001	Gold	7440-57-5	100.00	0.005	0.005
10	Lube	Lubricant	0.008	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.40	0.02	0.04
				Lithium 12-hydroxystearate	7620-77-1	5.70	0.002	
				Isohexadecyl-isoctadecanoate	52006-45-8	33.70	0.01	
				Polyisobutylene	9003-27-4	6.20	0.002	
11	Lube	Lubricant	0.008	1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	58.80	0.022	0.04
				1-Propene, polymer with ethene	9010-79-1	30.80	0.012	
				Silica, amorphous fumed	112945-52-5	5.40	0.002	
				Ethene, tetrafluoro-, homopolymer	9002-84-0	5.00	0.002	
12	Lid	ShinKong compound (Blue)	5.44311	PBT	26062-94-2	53.70	13.91	25.91
				Glass Fiber	65997-17-3	30.00	7.77	
				Brominated Epoxy Resin	68928-70-	10.50	2.72	

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					1				
					Antimony Trioxide	1309-64-4	3.00	0.78	
					Pigment Blue 15	147-14-8	0.80	0.21	
					Further Additives, not to declare	N/A	2.00	0.52	
13	Rotor/Shaft Molded	Nylatron	4.30913		Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66.00	13.54	20.51
					Glass Fiber	65997-17-3	32.00	6.56	
					Molybdenum Disulfide	1317-33-5	2.00	0.410	
14	Slider Molded	Nylon	0.453592		Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	60.00	1.30	2.16
					Glass Fiber	65997-17-3	30.00	0.65	
					Polytetrafluorethylene	9002-84-0	10.00	0.22	
15	Contact Spring	Paliney #6	0.008		Palladium	7440-05-3	39.80	0.02	0.04
					Silver	7440-22-4	33.90	0.01	
					Copper	7440-50-8	24.20	0.009	
					Platinum	7440-06-4	0.50	0.0002	
					Nickel	7440-02-0	1.59	0.0006	
					Zinc	7440-66-6	0.01	0.000004	
16	Cover	ShinKong compound (Blue)	2.99371		PBT	26062-94-2	53.70	7.65	14.25
					Glass Fiber	65997-17-3	30.00	4.28	
					Brominated Epoxy Resin	68928-70-1	10.50	1.50	
					Antimony Trioxide	1309-64-4	3.00	0.43	
					Pigment Blue 15	147-14-8	0.80	0.114	
					Further Additives, not to declare	N/A	2.00	0.285	

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17	Terminal Wiper	Phosphor Bronze CDA 510	1.428816	Lead	7439-92-1	0.05	0.003	6.80
				Zinc	7440-66-6	0.30	0.020	
				Iron	7439-89-6	0.10	0.007	
				Tin	7440-31-5	5.80	0.394	
				Phosphorus	7723-14-0	0.35	0.024	
				Copper	7440-50-8	93.40	6.353	
		Plating	0.002	Gold	7440-57-5	100.00	0.010	0.01
		Under Plating	0.002	Nickel	7440-02-0	100.00	0.010	0.01
		Total weight	21.0072					

This Document was updated on: 2/25/2025

Important remarks:

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