

MATERIAL DECLARATION SHEET



Material number	6674S-1			
Product Line	Precision Potentiometer			
Compliance Date	19-Aug-25			
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	1.25	Copper	7440-50-8	70	1.080	1.544
				Zinc	7440-66-6	30	0.463	
		Plating	0.09	Nickel	7440-02-0	100	0.111	0.111
2	Lock washer	Carbon Steel C1050	0.169	Carbon	7440-44-0	0.5	0.001	0.209
				Iron	7439-89-6	98.7	0.206	
				Manganese	7439-96-5	0.75	0.002	
				Phosphorus	7723-14-0	0.02	0.00004	
				Sulphur	7704-34-9	0.03	0.0001	
		Plating	0.001	Nickel	10101-97-0	100	0.0012	0.0012
3	Bushing Lid	Aluminum 2011	39.1	Aluminum (Metal)	7429-90-5	92.93	44.868	48.281
				Bismuth	7440-69-9	0.4	0.193	
				Copper	7440-50-8	5.5	2.655	
				Iron	7439-89-6	0.345	0.167	
				Lead	7439-92-1	0.4	0.193	
				Silicon	7440-21-3	0.2	0.097	
				Zinc	7440-66-6	0.15	0.072	
				Misc, Not to Declare	N/A	0.075	0.036	
4	Substrate	RX1366	3.41	Diallyl Phthalate Polymer	25053-15-0	37	1.558	4.211
				Polyester Resin	68604-67-1	1	0.042	

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				Calcium Silicate	13983-17-0	7.7	0.324	
				Amorphous Silica	61790-53-2	1.5	0.063	
				Glass Fiber	65997-17-3	41	1.726	
				Alumina Trihydrate	21645-51-2	2.6	0.109	
				Calcium Stearate	1592-23-0	1	0.042	
				Antimony Trioxide	1309-64-4	3.1	0.131	
				Bis (Tetrabromophthalimido)Ethane	32588-76-4	5.1	0.215	
5	Termination Ink	Ink	0.012	Phenolic Resin	9039-25-2	13	0.002	0.015
				Silver	7440-22-4	86	0.013	
				Graphite	7782-42-5	1	0.0001	
6	Resistive Ink	Ink	0.065	2,2,4-Trimethyl-1,3-Pentane-Diol	6846-50-0	34.4	0.028	0.080
				Formaldehyde, Polymer with 3-Chloro-1-Propene and Phenol	28470-78-2	27	0.022	
				Carbon Black	1333-86-4	36	0.029	
				Silica, Amorphous Fumed	112945-52-5	0.5	0.0004	
				Dimethylsilicone	63148-62-9	2.1	0.002	
7	Resistive Ink	Ink	0.055	Barium Sulfate	7727-43-7	28	0.019	0.068
				Formaldehyde, Polymer with 3-Chloro-1-Propene and Phenol	28470-78-2	43.8	0.03	
				Carbon Black	1333-86-4	16.8	0.011	
				Titanium Dioxide	1317-70-0	6.83	0.005	
				Silica, Amorphous Fumed	112945-52-5	0.6	0.0004	
				1-Propene, 1,1,2,3,3,3- Hexafluoro-, Polymer with Tetrafluoroethene	25067-11-2	0.95	0.001	
				Acrylic Polymer	63148-62-9	3.02	0.002	

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8	Ball Bearing (X2)	S.S 440	3.08	Carbon	7440-44-0	1	0.038	3.803
				Chromium	7440-47-3	16.2	0.616	
				Iron	7439-89-6	81.3	3.092	
				Manganese	7439-96-5	0.37	0.014	
				Molybdenum	7439-98-7	0.45	0.017	
				Phosphorus	7723-14-0	0.027	0.001	
				Sulphur	7704-34-9	0.003	0.0001	
				Silicon	7440-21-3	0.4	0.015	
				Nickel	7440-02-0	0.2	0.008	
				Copper	7440-50-8	0.05	0.002	
		Lube	0.002	Ester Oil, Synthetic, for Lubricants	N/A	94	0.002	0.002
				Barium Bis(Dinonylnaphthalenesulphonate)	25619-56-1	2.5	0.0001	
				Further Additives, Not to Declare	Misc, Not to Declare	3.5	0.0001	
9	Terminal Moded (X3)	Brass C360	0.293	Copper	7440-50-8	59	0.213	0.362
				Iron	7439-89-6	0.25	0.0009	
				Lead	7439-92-1	2.75	0.010	
				Tin	7440-31-5	0.4	0.0014	
				Zinc	7440-66-6	37.49	0.136	
				Nickel	7440-02-0	0.1	0.0004	
				Arsenic	7440-38-2	0.01	0.00004	
		Plating-Ni	0.001	Nickel	7440-02-0	100	0.001	0.001
		Plating-Au	0.001	Gold	7440-57-5	100	0.001	0.001
		Resin	0.040	PA 9T	169284-22-4	43	0.021	0.049
				Brominated Polystyrene	88497-56-7	23	0.011	
				Glass Fiber	65997-17-3	34	0.017	
10	Shaft	S.S 303	7.29	Carbon	7440-44-0	0.15	0.014	9.00
				Manganese	7439-96-5	2	0.180	

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				Phosphorus	7723-14-0	0.2	0.018	
				Sulfur	7704-34-9	0.15	0.014	
				Silicon	7440-21-3	0.9	0.081	
				Chromium	7440-47-3	18	1.620	
				Nickel	7440-02-0	9	0.810	
				Iron	7439-89-6	69	6.211	
				Molybdenum	7439-98-7	0.6	0.054	
11	Rotor Molded	RX1366	0.51	Diallyl Phthalate Polymer	25053-15-0	37	0.233	0.630
				Polyester Resin	68604-67-1	1	0.006	
				Calcium Silicate	13983-17-0	7.7	0.048	
				Amorphous Silica	61790-53-2	1.5	0.009	
				Glass Fiber	65997-17-3	41	0.258	
				Alumina Trihydrate	21645-51-2	2.6	0.016	
				Calcium Stearate	1592-23-0	1	0.006	
				Antimony Trioxide	1309-64-4	3.1	0.020	
				Bis(Tetrabromophthalimido)Ethane	32588-76-4	5.1	0.032	
12	Contact Spring	PAL #7	0.0040	Silver	7440-22-4	30.00	0.001	0.005
				Gold	7440-57-5	10.00	0.0005	
				Copper	7440-50-8	14.00	0.001	
				Palladium	7440-05-3	35.85	0.002	
				Platinum	7440-06-4	10.145	0.001	
				Misc., Not to Declare	N/A	0.005	0.0000002	
13	Contact Spring	PAL #7	0.0080	Silver	7440-22-4	30.00	0.003	0.010
				Gold	7440-57-5	10.00	0.001	
				Copper	7440-50-8	14.00	0.001	
				Palladium	7440-05-3	35.85	0.004	
				Platinum	7440-06-4	10.145	0.001	
				Misc., Not to Declare	N/A	0.005	0.0000005	
14	Collector Arm	BeCu CA-172	1.22	Beryllium	7440-41-7	1.9	0.029	1.506

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				Nickel	7440-02-0	0.3	0.005	
				Cobalt	7440-48-4	0.3	0.005	
				Iron	7439-89-6	0.3	0.005	
				Aluminum	7429-90-5	0.1	0.002	
				Silicon	7440-21-3	0.1	0.002	
				Copper	7440-50-8	96.7	1.457	
				Silver	7440-22-4	0.05	0.001	
				Misc, Not to Declare	N/A	0.25	0.004	
15	Collector Ring	Nickel Silver CDA 752	0.194	Copper	7440-50-8	65	0.156	0.240
				Silver	7440-22-4	0.05	0.0001	
				Iron	7439-89-6	0.125	0.0003	
				Manganese	7439-96-5	0.25	0.0006	
				Nickel	7440-02-0	18	0.0431	
				Cobalt	7440-48-4	0.5	0.001	
				Lead	7439-92-1	0.025	0.0001	
				Zinc (Metal)	7440-66-6	15.8	0.03785	
				Misc., Not to Declare	System	0.25	0.0006	
		Plating-Ni	0.001	Nickel	7440-02-0	100	0.001	0.001
		Plating-Au	0.001	Gold	7440-57-5	100	0.001	0.001
16	Washer 3X	S.S 301	0.015	Carbon	7440-44-0	0.15	0.00003	0.0185
				Manganese	7439-96-5	2	0.00037	
				Phosphorus	7723-14-0	0.045	0.00001	
				Sulfur	7704-34-9	0.03	0.000006	
				Silicon	7440-21-3	1	0.00019	
				Chromium	7440-47-3	17	0.00315	
				Nickel	7440-02-0	7	0.00130	
				Iron	7439-89-6	72.775	0.0135	
17	Washer 3X	S.S 301	0.015	Carbon	7440-44-0	0.15	0.00003	0.0185
				Manganese	7439-96-5	2	0.00037	
				Phosphorus	7723-14-0	0.045	0.00001	

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				Sulfur	7704-34-9	0.03	0.00001	
				Silicon	7440-21-3	1	0.00019	
				Chromium	7440-47-3	17	0.00315	
				Nickel	7440-02-0	7	0.00130	
				Iron	7439-89-6	72.775	0.01348	
18	Teflon Washer	PTFE	0.095	Polytetrafluoroethylene	9002-84-0	100	0.117	0.117
19	Teflon Washer	PTFE	0.037	Polytetrafluoroethylene	9002-84-0	100	0.117	0.046
20	Screw	S.S 302	0.105	Carbon	7440-44-0	0.18	0.0018	0.130
				Manganese	7439-96-5	2	0.020	
				Phosphorus	7723-14-0	0.045	0.0005	
				Sulfur	7704-34-9	0.03	0.0003	
				Silicon	7440-21-3	0.75	0.0076	
				Chromium	7440-47-3	17	0.1730	
				Nickel	7440-02-0	8	0.0814	
				Iron	7439-89-6	71.995	0.7326	
21	Clamp Ring	S.S 302	1.4	Carbon	7440-44-0	0.18	0.003	1.729
				Manganese	7439-96-5	2	0.035	
				Phosphorus	7723-14-0	0.045	0.001	
				Sulfur	7704-34-9	0.03	0.001	
				Silicon	7440-21-3	0.75	0.013	
				Chromium	7440-47-3	17	0.294	
				Nickel	7440-02-0	8	0.138	
				Iron	7439-89-6	71.995	1.245	
22	C-Ring	S.S 420	0.080	Carbon	7440-44-0	0.3	0.0003	0.099
				Chromium	7440-47-3	13	0.013	
				Iron	7439-89-6	85.66	0.085	
				Manganese	7439-96-5	0.5	0.00049	
				Phosphorus	7723-14-0	0.02	0.00002	
				Sulphur	7704-34-9	0.02	0.00002	
				Silicon	7440-21-3	0.5	0.00049	

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23	Cover	Aluminum 2011	22.2	Aluminum (Metal)	7429-90-5	92.93	25.475	27.413
				Bismuth	7440-69-9	0.4	0.110	
				Copper	7440-50-8	5.5	1.508	
				Iron	7439-89-6	0.345	0.095	
				Lead	7439-92-1	0.4	0.110	
				Silicon	7440-21-3	0.2	0.055	
				Zinc	7440-66-6	0.15	0.041	
				Misc, Not to Declare	N/A	0.075	0.021	
24	Solder	Solder	0.036	Tin	7440-31-5	96.5	0.043	0.044
				Silver	7440-22-4	3	0.001	
				Copper	7440-50-8	0.5	0.0002	
25	Lead Wire (X2)	Nickel 270	0.0002	Nickel	7440-02-0	99.984	0.0002	0.0002
				Carbon	7440-44-0	0.0095	0.00000002	
				Cobalt	7440-48-4	0.0005	0.000000001	
				Chromium	7440-47-3	0.0005	0.000000001	
				Copper	7440-50-8	0.0006	0.000000001	
				Iron	7439-89-6	0.0024	0.00000001	
				Magnesium (Metal)	7439-95-4	0.0005	0.000000001	
				Manganese	7439-96-5	0.0005	0.000000001	
				Sulphur	7704-34-9	0.0005	0.000000001	
				Silicon	7440-21-3	0.0005	0.000000001	
				Titanium	7440-32-6	0.0005	0.000000001	
		Plating-Au	0.001	Gold	7440-57-5	100	0.0012	0.0012
26	Lead Wire	Nickel 270	0.0002	Nickel	7440-02-0	99.984	0.0002	0.0002
				Carbon	7440-44-0	0.0095	0.00000002	
				Cobalt	7440-48-4	0.0005	0.000000001	
				Chromium	7440-47-3	0.0005	0.000000001	
				Copper	7440-50-8	0.0006	0.000000001	
				Iron	7439-89-6	0.0024	0.00000001	
				Magnesium (Metal)	7439-95-4	0.0005	0.000000001	

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				Manganese	7439-96-5	0.0005	0.000000001	
				Sulphur	7704-34-9	0.0005	0.000000001	
				Silicon	7440-21-3	0.0005	0.000000001	
				Titanium	7440-32-6	0.0005	0.000000001	
27	Lube	Lube	0.001	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid	68130-53-0	54.4	0.001	0.001
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.0001	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.0004	
				Polyisobutylene	9003-27-4	6.2	0.0001	
28	Epoxy	Epoxy	0.08	Epoxy Resin	25085-99-8	51	0.0504	0.0988
				Quartz, (SiO ₂)	14808-60-7	34	0.034	
				Kaolin Clay	1332-58-7	15	0.015	
29	Adhesive	Epoxy	0.10	Epoxy Resin	25085-99-8	60	0.074	0.123
				Silicon Dioxide	14808-60-7	37.7	0.047	
				Bisphenol A Diglycidyl Ether Resin	25068-38-6	1	0.001	
				Titanium Dioxide	13463-67-7	1	0.001	
				Aluminum Oxide	1344-28-1	0.3	0.0004	
30	Printing Ink	Ink	0.005	Copolymer of Vinyl Chloride	53710-52-4	93	0.006	0.006
				Pigment	N/A	7	0.0004	
31	Label	Thermifilm	0.016	Polyethylene Terephthalate	25038-59-9	71.6	0.014	0.020
				Aluminium (Metal)	7429-90-5	0.07	0.00001	
				White Phosphorus	12185-10-3	0.03	0.00001	
				Polyethylene Terephthalate	25038-59-9	0.5	0.00010	
				Saturated Polyester Resin	61926-16-7	0.5	0.00010	
				2-Propenoic Acid, Polymer with Ethenyl Acetate, 2-Ethylhexyl 2-Propenoate and 2-Hydroxyethyl 2-Propenoate	50862-46-9	27	0.005	

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				Misc, Not to Declare	N/A	0.3	0.0001	
32	Thermal Transfer Ink	Ink	0.0005	Polyester Resin	149027-65-6	30	0.0002	0.001
				Hydrocarbon Waxes (Petroleum), Oxidized	64743-00-6	3	0.00002	
				Carbon Black	1333-86-4	23.5	0.0001	
				Carnauba-Wax	8015-86-9	20.5	0.0001	
				Vinyl Chloride-Vinyl Acetate Copolymers	9003-22-9	12	0.0001	
				Acrylic Resin	N/A	9	0.0001	
				Styrene-Butadiene Rubber	9003-55-8	2	0.00001	
	Total Weight	80.984						

This Document was updated on: **10/22/2025**

Important remarks:

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