

MATERIAL DECLARATION SHEET



Material number	6574S-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	Servo Lid	Aluminum 2011	35.8	Aluminum (Metal)	7429-90-5	92.93	43.669	46.992
				Bismuth	7440-69-9	0.4	0.188	
				Copper	7440-50-8	5.5	2.585	
				Iron	7439-89-6	0.345	0.162	
				Lead	7439-92-1	0.4	0.188	
				Silicon	7440-21-3	0.2	0.094	
				Zinc	7440-66-6	0.15	0.070	
				Misc, Not to Declare	N/A	0.075	0.035	
2	Substrate	RX1366	3.41	Diallyl Phthalate Polymer	25053-15-0	37	1.656	4.476
				Polyester Resin	68604-67-1	1	0.045	
				Calcium Silicate	13983-17-0	7.7	0.345	
				Amorphous Silica	61790-53-2	1.5	0.067	
				Glass Fiber	65997-17-3	41	1.835	
				Alumina Trihydrate	21645-51-2	2.6	0.116	
				Calcium Stearate	1592-23-0	1	0.045	
				Antimony Trioxide	1309-64-4	3.1	0.139	
				Bis(Tetrabromophthalimido) Ethane	32588-76-4	5.1	0.228	
3	Termination Ink	Ink	0.012	Phenolic Resin	9039-25-2	13	0.002	0.016

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				Silver	7440-22-4	86	0.014	
				Graphite	7782-42-5	1	0.0002	
4	Resistive Ink	Ink	0.065	2,2,4-Trimethyl-1,3-Pentane-Diol	6846-50-0	34.4	0.029	0.085
				Formaldehyde, Polymer with 3-Chloro-1-Propene and Phenol	28470-78-2	27	0.023	
				Carbon Black	1333-86-4	36	0.031	
				Silica, Amorphous Fumed	112945-52-5	0.5	0.0004	
				Dimethylsilicone	63148-62-9	2.1	0.002	
5	Resistive Ink	Ink	0.055	Barium Sulfate	7727-43-7	28	0.020	0.072
				Formaldehyde, Polymer with 3-Chloro-1-Propene and Phenol	28470-78-2	43.8	0.03	
				Carbon Black	1333-86-4	16.8	0.012	
				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	
6	Ball Bearing (X2)	S.S 440	3.08	Acrylic Polymer	63148-62-9	3.02	0.002	4.043
				Carbon	7440-44-0	1	0.040	
				Chromium	7440-47-3	16.2	0.655	
				Iron	7439-89-6	81.3	3.287	
				Manganese	7439-96-5	0.37	0.015	
				Molybdenum	7439-98-7	0.45	0.018	
				Phosphorus	7723-14-0	0.027	0.001	
				Sulphur	7704-34-9	0.003	0.0001	
				Silicon	7440-21-3	0.4	0.016	
				Nickel	7440-02-0	0.2	0.008	
				Copper	7440-50-8	0.05	0.002	

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		Lube	0.0002	Ester Oil, Synthetic, for Lubricants	N/A	94	0.0002	0.0003
				Barium Bis(Dinonylnaphthalenesulp honate)	25619-56-1	2.5	0.00001	
				Further Additives, not to Declare	Misc, not to declare	3.5	0.00001	
7	Terminal Moded (X3)	Brass C360	0.293	Copper	7440-50-8	59	0.227	0.385
				Iron	7439-89-6	0.25	0.0010	
				Lead	7439-92-1	2.75	0.011	
				Tin	7440-31-5	0.4	0.0015	
				Zinc	7440-66-6	37.49	0.144	
				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	0.023	0.053
Brominated Polystyrene	88497-56-7			23	0.012			
Glass Fiber	65997-17-3			34	0.018			
8	Shaft	S.S 303	7.29	Carbon	7440-44-0	0.15	0.014	9.57
				Manganese	7439-96-5	2	0.191	
				Phosphorus	7723-14-0	0.2	0.019	
				Sulfur	7704-34-9	0.15	0.014	
				Silicon	7440-21-3	0.9	0.086	
				Chromium	7440-47-3	18	1.722	
				Nickel	7440-02-0	9	0.861	
				Iron	7439-89-6	69	6.603	
				Molybdenum	7439-98-7	0.6	0.057	
9	Rotor Molded	RX1366	0.51	Diallyl Phthalate Polymer	25053-15-0	37	0.247	0.668
				Polyester Resin	68604-67-1	1	0.007	
				Calcium Silicate	13983-17-0	7.7	0.051	

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				Amorphous Silica	61790-53-2	1.5	0.010	
				Glass Fiber	65997-17-3	41	0.274	
				Alumina Trihydrate	21645-51-2	2.6	0.017	
				Calcium Stearate	1592-23-0	1	0.007	
				Antimony Trioxide	1309-64-4	3.1	0.021	
				Bis(Tetrabromophthalimido) Ethane	32588-76-4	5.1	0.034	
10	Contact Spring	PAL #7	0.0040	Silver	7440-22-4	30.00	0.002	0.005
				Gold	7440-57-5	10.00	0.001	
				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	0.0000003	
11	Contact Spring	PAL #7	0.0080	Silver	7440-22-4	30.00	0.003	0.011
				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	0.000001	
12	Collector Arm	BeCu CA-172	1.22	Beryllium	7440-41-7	1.9	0.030	1.601
				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	1.549	
				Silver	7440-22-4	0.05	0.001	
				Misc, Not to Declare	N/A	0.25	0.004	
13	Collector Ring	Nickel Silver CDA 752	0.194	Copper	7440-50-8	65	0.166	0.255
				Silver	7440-22-4	0.05	0.0001	
				Iron	7439-89-6	0.125	0.0003	

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				Manganese	7439-96-5	0.25	0.0006	
				Nickel	7440-02-0	18	0.0458	
				Cobalt	7440-48-4	0.5	0.001	
				Lead	7439-92-1	0.025	0.0001	
				Zinc (Metal)	7440-66-6	15.8	0.04023	
				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
14	Washer	S.S 301	0.005	Carbon	7440-44-0	0.15	0.00001	0.0066
				Manganese	7439-96-5	2	0.00013	
				Phosphorus	7723-14-0	0.045	0.000003	
				Sulfur	7704-34-9	0.03	0.000002	
				Silicon	7440-21-3	1	0.00007	
				Chromium	7440-47-3	17	0.00112	
				Nickel	7440-02-0	7	0.00046	
				Iron	7439-89-6	72.775	0.0048	
15	Washer 3X	S.S 301	0.015	Carbon	7440-44-0	0.15	0.00001	0.0197
				Manganese	7439-96-5	2	0.00013	
				Phosphorus	7723-14-0	0.045	0.000003	
				Sulfur	7704-34-9	0.03	0.000002	
				Silicon	7440-21-3	1	0.00007	
				Chromium	7440-47-3	17	0.00112	
				Nickel	7440-02-0	7	0.00046	
				Iron	7439-89-6	72.775	0.0048	
16	Teflon Washer	PTFE	0.095	Polytetrafluoroethylene	9002-84-0	100	0.125	0.125
17	Teflon Washer	PTFE	0.037	Polytetrafluoroethylene	9002-84-0	100	0.125	0.049
18	Screw	S.S 302	0.105	Carbon	7440-44-0	0.18	0.0018	0.138
				Manganese	7439-96-5	2	0.020	
				Phosphorus	7723-14-0	0.045	0.0005	
				Sulfur	7704-34-9	0.03	0.0003	

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				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	
19	Clamp Ring	S.S 302	1.4	Carbon	7440-44-0	0.18	0.003	1.830
				Manganese	7439-96-5	2	0.037	
				Phosphorus	7723-14-0	0.045	0.001	
				Sulfur	7704-34-9	0.03	0.001	
				Silicon	7440-21-3	0.75	0.014	
				Chromium	7440-47-3	17	0.311	
				Nickel	7440-02-0	8	0.146	
				Iron	7439-89-6	71.995	1.317	
20	C-Ring	S.S 420	0.080	Carbon	7440-44-0	0.3	0.0003	0.105
				Chromium	7440-47-3	13	0.014	
				Iron	7439-89-6	85.66	0.090	
				Manganese	7439-96-5	0.5	0.00053	
				Phosphorus	7723-14-0	0.02	0.00002	
				Sulphur	7704-34-9	0.02	0.00002	
				Silicon	7440-21-3	0.5	0.00053	
21	Cover	Aluminum 2011	22.2	Aluminum (Metal)	7429-90-5	92.93	27.121	29.185
				Bismuth	7440-69-9	0.4	0.117	
				Copper	7440-50-8	5.5	1.605	
				Iron	7439-89-6	0.345	0.101	
				Lead	7439-92-1	0.4	0.117	
				Silicon	7440-21-3	0.2	0.058	
				Zinc	7440-66-6	0.15	0.044	
				Misc, Not to Declare	N/A	0.075	0.022	
22	Solder	Solder	0.036	Tin	7440-31-5	96.5	0.046	0.047
				Silver	7440-22-4	3	0.001	
				Copper	7440-50-8	0.5	0.0002	

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23	Wire (X2)	Nickel 270	0.0002	Nickel	7440-02-0	99.984	0.0003	0.0003
				Carbon	7440-44-0	0.0095	0.000000002	
				Cobalt	7440-48-4	0.0005	0.000000001	
				Chromium	7440-47-3	0.0005	0.000000001	
				Copper	7440-50-8	0.0006	0.000000002	
				Iron	7439-89-6	0.0024	0.000000006	
				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	0.0010	Gold	7440-57-5	100	0.0013	0.0013
24	Wire	Nickel 270	0.0002	Nickel	7440-02-0	99.984	0.0003	0.0003
				Carbon	7440-44-0	0.0095	0.000000025	
				Cobalt	7440-48-4	0.0005	0.000000001	
				Chromium	7440-47-3	0.0005	0.000000001	
				Copper	7440-50-8	0.0006	0.000000002	
				Iron	7439-89-6	0.0024	0.000000006	
				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	
25	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	
26	Epoxy	Epoxy	0.08	Epoxy Resin	25085-99-8	48	0.0504	0.1050

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				Quartz, (SiO ₂)	14808-60-7	35	0.037	
				Kaolin Clay	1332-58-7	15	0.015	
				Bisphenol A Diglycidyl Ether Resin	25068-38-6	2	0.002	
				Titanium Dioxide	13463-67-7	0	0.0002	
				Carbon Black	1333-86-4	0	0.0003	
				Acrylic Polymer	Trade Secret	0	0.0004	
27	Adhesive	Epoxy	0.10	Epoxy Resin	25085-99-8	60	0.075	0.125
				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	
28	Printing Ink	Ink	0.005	Carbon Black	1333-86-4	65	0.004	0.007
				Phenolic Resin	9003-35-4	33	0.002	
				Misc, Not to Declare	N/A	2	0.0001	
29	Label	Thermlfilm	0.016	Polyethylene Terephthalate	25038-59-9	71.6	0.015	0.021
				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	0.0001	
				Saturated Polyester Resin	61926-16-7	0.5	0.0001	
				2-Propenoic Acid, Polymer with Ethenyl Acetate, 2-Ethylhexyl 2-Propenoate and 2-Hydroxyethyl 2-Propenoate	50862-46-9	27	0.006	
				Misc, Not to Declare	N/A	0.3	0.0001	
30	Thermal Transfer Ink	Ink	0.0005	Polyester Resin	149027-65-6	30	0.00020	0.001
				Hydrocarbon Waxes (Petroleum), Oxidized	64743-00-6	3	0.00002	
				Carbon Black	1333-86-4	23.5	0.00015	

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				Carnauba-Wax	8015-86-9	20.5	0.00013	
				Vinyl Chloride-Vinyl Acetate Copolymers	9003-22-9	12	0.00008	
				Acrylic Resin	N/A	9	0.00006	
				Styrene-Butadiene Rubber	9003-55-8	2	0.00001	
		Total Weight	76.184					

This Document was updated on: 10/21/2025

Important remarks:

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