

MATERIAL DECLARATION SHEET



Material Number	6534S-1-XXX			
Product Line	Precision Potentiometer			
Compliance Date	January 02, 2006			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Material s Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Servo Lid	Aluminum 2011-T3	5.4	Aluminum (Metal)	7429-90-5	92.93	38.326	41.242
				Bismuth	7440-69-9	0.4	0.165	
				Copper	7440-50-8	5.5	2.268	
				Iron	7439-89-6	0.345	0.142	
				Lead	7439-92-1	0.4	0.165	
				Silicon	7440-21-3	0.2	0.082	
				Zinc	7440-66-6	0.15	0.062	
				Misc, Not to Declare	N/A	0.075	0.031	
2	Substrate	Resin	0.503	Diallyl Phthalate Polymer	25053-15-0	37	1.427	3.856
				Polyester Resin	68604-67-1	1	0.039	
				Calcium Silicate	13983-17-0	7.7	0.297	
				Amorphous Silica	61790-53-2	1.5	0.058	
				Glass Fiber	65997-17-3	41	1.581	
				Alumina Trihydrate	21645-51-2	2.6	0.100	
				Calcium Stearate	1592-23-0	1	0.039	
				Antimony Trioxide	1309-64-4	3.1	0.120	
3	Ink	Ink	0.012	Bis (Tetrabromophthalimido)Ethane	32588-76-4	5.1	0.197	0.092
				Phenolic Resin	9039-25-2	13	0.012	
				Silver	7440-22-4	86	0.079	

MATERIAL DECLARATION SHEET



				Graphite	7782-42-5	1	0.0009	
4	Ink	Ink	0.031	2,2,4-Trimethyl-1,3-Pentane-Diol	6846-50-0	34.4	0.082	0.238
				Formaldehyde, Polymer with 3-Chloro-1-Propene and Phenol	28470-78-2	27	0.064	
				Carbon Black	1333-86-4	36	0.086	
				Silica, Amorphous Fumed	112945-52-5	0.5	0.001	
				Dimethylsilicone	63148-62-9	2.1	0.005	
5	Ink	Ink	0.045	Barium Sulfate	7727-43-7	28	0.097	0.345
				Formaldehyde, Polymer with 3-Chloro-1-Propene and Phenol	28470-78-2	43.8	0.15	
				Carbon Black	1333-86-4	16.8	0.058	
				Titanium Dioxide	1317-70-0	6.83	0.024	
				Silica, Amorphous Fumed	112945-52-5	0.6	0.002	
				1-Propene, 1,1,2,3,3,3-Hexafluoro-, Polymer with Tetrafluoroethene	25067-11-2	0.95	0.003	
6	Ball Bearing (X2)	Stainless Steel 440	0.55	Acrylic Polymer	63148-62-9	3.02	0.010	4.216
				Carbon	7440-44-0	1	0.042	
				Chromium	7440-47-3	16.2	0.683	
				Iron	7439-89-6	81.3	3.428	
				Manganese	7439-96-5	0.37	0.016	
				Molybdenum	7439-98-7	0.45	0.019	
				Phosphorus	7723-14-0	0.027	0.001	
				Sulphur	7704-34-9	0.003	0.0001	
				Silicon	7440-21-3	0.4	0.017	
				Nickel	7440-02-0	0.2	0.008	
				Copper	7440-50-8	0.05	0.002	
	Lube		0.005	Ester Oil, Synthetic, for Lubricants	N/A	94	0.036	0.038
				Barium, Bis (Dinonylnaphthalenesulphonate)	25619-56-1	2.5	0.001	

MATERIAL DECLARATION SHEET



				Further Additives, Not to Declare	Misc, not to Declare	3.5	0.001	
7	Terminal Molded X3)	Brass C3604	0.290	Copper	7440-50-8	59	1.312	2.223
				Iron	7439-89-6	0.25	0.0056	
				Lead	7439-92-1	2.75	0.061	
				Tin	7440-31-5	0.4	0.0089	
				Zinc	7440-66-6	37.49	0.833	
				Nickel	7440-02-0	0.1	0.0022	
				Arsenic	7440-38-2	0.01	0.00022	
		Plating-Nickel	0.001	Nickel	7440-02-0	100	0.008	0.008
		Plating-Gold	0.001	Gold	7440-57-5	100	0.008	0.008
8	Shaft	303 Stainless Steel	1.42	PA 9T	169284-22-4	43	0.016	10.89
				Brominated Polystyrene	88497-56-7	23	0.009	
				Glass Fiber	65997-17-3	34	0.013	
				Carbon	7440-44-0	0.15	0.016	
				Manganese	7439-96-5	2	0.218	
				Phosphorus	7723-14-0	0.2	0.022	
				Sulfur	7704-34-9	0.15	0.016	
				Silicon	7440-21-3	0.9	0.098	
				Chromium	7440-47-3	18	1.959	
9	Rotor	Resin	0.13	Nickel	7440-02-0	9	0.980	0.981
				Iron	7439-89-6	69	7.511	
				Molybdenum	7439-98-7	0.6	0.065	
				Diallyl Phthalate Polymer	25053-15-0	37	0.4	
				Polyester Resin	68604-67-1	1	0.010	
				Calcium Silicate	13983-17-0	7.7	0.076	
				Amorphous Silica	61790-53-2	1.5	0.015	
				Glass Fiber	65997-17-3	41	0.402	
				Alumina Trihydrate	21645-51-2	2.6	0.026	
				Calcium Stearate	1592-23-0	1	0.010	
				Antimony Trioxide	1309-64-4	3.1	0.030	

MATERIAL DECLARATION SHEET



				Bis (Tetrabromophthalimido)ethane	32588-76-4	5.1	0.050	
10	Contact Spring	BeCu CA-172 Alloy 25	0.008	Beryllium	7440-41-7	1.90	0.0012	0.061
				Nickel	7440-02-0	0.30	0.0002	
				Cobalt	7440-48-4	0.30	0.0002	
				Iron	7439-89-6	0.30	0.0002	
				Aluminum	7429-90-5	0.10	0.0001	
				Silicon	7440-21-3	0.10	0.0001	
				Copper	7440-50-8	96.70	0.0593	
				Silver	7440-22-4	0.05	0.00003	
				Misc, Not to Declare	N/A	0.25	0.0002	
		Plating-Nickel	0.001	Nickel	7440-02-0	100	0.008	0.008
		Plating-Gold	0.001	Gold	7440-57-5	100	0.008	0.008
11	Contact Spring (X2)	(PAL #7)	0.0080	Silver	7440-22-4	30	0.018	0.061
				Gold	7440-57-5	10	0.006	
				Copper	7440-50-8	14	0.009	
				Palladium	7440-05-3	35.85	0.022	
				Platinum	7440-06-4	10.145	0.006	
				Misc., Not to Declare	N/A	0.005	0.000003	
12	Collector Arm	BeCu CA-172 Alloy 25	0.40	Beryllium	7440-41-7	1.9	0.059	3.097
				Nickel	7440-02-0	0.3	0.009	
				Cobalt	7440-48-4	0.3	0.009	
				Iron	7439-89-6	0.3	0.009	
				Aluminum	7429-90-5	0.1	0.003	
				Silicon	7440-21-3	0.1	0.003	
				Copper	7440-50-8	96.7	2.995	
				Silver	7440-22-4	0.05	0.002	
				Misc, Not to Declare	N/A	0.25	0.008	
13	Collector Ring	CDA752 Nickel Silver	0.080	Copper	7440-50-8	65	0.399	0.613
				Silver	7440-22-4	0.05	0.000	
				Iron	7439-89-6	0.125	0.0008	
				Manganese	7439-96-5	0.25	0.0015	

MATERIAL DECLARATION SHEET



				Nickel	7440-02-0	18	0.110	
				Cobalt	7440-48-4	0.5	0.003	
				Lead	7439-92-1	0.025	0.0002	
				Zinc (Metal)	7440-66-6	15.8	0.097	
				Misc., Not to Declare	System	0.25	0.0015	
				Plating-Nickel	0.001	Nickel	7440-02-0	100
		Plating-Gold	0.001	Gold	7440-57-5	100	0.008	0.008
14	Washer (X3)	Stainless Steel 301	0.050	Carbon	7440-44-0	0.15	0.00057	0.3833
				Manganese	7439-96-5	2	0.0077	
				Phosphorus	7723-14-0	0.045	0.00017	
				Sulfur	7704-34-9	0.03	0.000115	
				Silicon	7440-21-3	1	0.00383	
				Chromium	7440-47-3	17	0.065	
				Nickel	7440-02-0	7	0.027	
				Iron	7439-89-6	72.775	0.28	
15	Teflon Washer (X2)	PTFE	0.020	Polytetrafluoroethylene	9002-84-0	100	0.2	0.153
16	Screw	Stainless Steel 302	0.105	Carbon	7440-44-0	0.18	0.0014	0.805
				Manganese	7439-96-5	2	0.016	
				Phosphorus	7723-14-0	0.045	0.0004	
				Sulfur	7704-34-9	0.03	0.0002	
				Silicon	7440-21-3	0.75	0.0060	
				Chromium	7440-47-3	17	0.1368	
				Nickel	7440-02-0	8	0.0644	
				Iron	7439-89-6	71.995	0.5795	
17	Clamp Ring	Stainless Steel 302	0.65	Carbon	7440-44-0	0.18	0.009	5.006
				Manganese	7439-96-5	2	0.100	
				Phosphorus	7723-14-0	0.045	0.002	
				Sulfur	7704-34-9	0.03	0.002	
				Silicon	7440-21-3	0.75	0.038	
				Chromium	7440-47-3	17	0.851	
				Nickel	7440-02-0	8	0.400	

MATERIAL DECLARATION SHEET



				Iron	7439-89-6	71.995	3.604	
18	C-Ring	Stainless Steel 420	0.015	Carbon	7440-44-0	0.3	0.0003	0.115
				Chromium	7440-47-3	13	0.015	
				Iron	7439-89-6	85.66	0.098	
				Manganese	7439-96-5	0.5	0.0006	
				Phosphorus	7723-14-0	0.02	0.00002	
				Sulphur	7704-34-9	0.02	0.00002	
				Silicon	7440-21-3	0.5	0.00057	
19	Cover	Aluminum 2011-T3	3.2	Aluminum (Metal)	7429-90-5	92.93	22.582	24.300
				Bismuth	7440-69-9	0.4	0.097	
				Copper	7440-50-8	5.5	1.337	
				Iron	7439-89-6	0.345	0.084	
				Lead	7439-92-1	0.4	0.097	
				Silicon	7440-21-3	0.2	0.049	
				Zinc	7440-66-6	0.15	0.036	
				Misc, Not to Declare	N/A	0.075	0.018	
20	Solder Wire	SAC305	0.004	Tin	7440-31-5	96.5	0.030	0.031
				Silver	7440-22-4	3	0.001	
				Copper	7440-50-8	0.5	0.0002	
21	Lead Wire (X2)	Nickel 270	0.0020	Nickel	7440-02-0	99.984	0.02	0.015
				Carbon	7440-44-0	0.0095	0.000001	
				Cobalt	7440-48-4	0.0005	0.00000008	
				Chromium	7440-47-3	0.0005	0.00000008	
				Copper	7440-50-8	0.0006	0.00000009	
				Iron	7439-89-6	0.0024	0.0000004	
				Magnesium (Metal)	7439-95-4	0.0005	0.00000008	
				Manganese	7439-96-5	0.0005	0.00000008	
				Sulphur	7704-34-9	0.0005	0.00000008	
				Silicon	7440-21-3	0.0005	0.00000008	
				Titanium	7440-32-6	0.0005	0.00000008	
22	Lead Wire	Plating-Gold	0.001	Gold	7440-57-5	100	0.008	0.008
		Nickel 270	0.0020	Nickel	7440-02-0	99.984	0.02	0.015

MATERIAL DECLARATION SHEET



				Carbon	7440-44-0	0.0095	0.000001	
				Cobalt	7440-48-4	0.0005	0.00000008	
				Chromium	7440-47-3	0.0005	0.00000008	
				Copper	7440-50-8	0.0006	0.00000009	
				Iron	7439-89-6	0.0024	0.00000004	
				Magnesium (Metal)	7439-95-4	0.0005	0.00000008	
				Manganese	7439-96-5	0.0005	0.00000008	
				Sulphur	7704-34-9	0.0005	0.00000008	
				Silicon	7440-21-3	0.0005	0.00000008	
				Titanium	7440-32-6	0.0005	0.00000008	
23	Lube	Lube	0.001	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid	68130-53-0	54.4	0.004	0.008
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.0004	
				Isohexadecyl- Isooctadecanoate	52006-45-8	33.7	0.003	
				Polyisobutylene	9003-27-4	6.2	0.0005	
24	Epoxy	Epoxy	0.08	Epoxy Resin	25085-99-8	48.0	0.2944	0.613
				Quartz, (SiO2)	14808-60-7	34.8	0.2134	
				Kaolin Clay	1332-58-7	14.5	0.0889	
				Bisphenol A Diglycidyl Ether Resin	25068-38-6	1.8	0.0110	
				Titanium Dioxide	13463-67-7	0.22	0.0013	
				Carbon Black	1333-86-4	0.28	0.002	
				Acrylic Polymer	Trade Secret	0.4	0.002	
25	Epoxy	Epoxy	0.05	Epoxy Resin	25085-99-8	60.0	0.230	0.383
				Silicon Dioxide	14808-60-7	37.7	0.144	
				Bisphenol A Diglycidyl Ether Resin	25068-38-6	1.0	0.004	
				Titanium Dioxide	13463-67-7	1.0	0.004	
				Aluminum Oxide	1344-28-1	0.3	0.0011	

MATERIAL DECLARATION SHEET



26	Ink	Ink	0.0005	Copolymer of Vinyl Chloride	53710-52-4	93	0.0036	0.004
				Pigment		7	0.0003	
27	Label	Therml Film	0.016	Polyethylene Terephthalate	25038-59-9	71.6	0.088	0.123
				Aluminum (Metal)	7429-90-5	0.07	0.00009	
				White Phosphorus	12185-10-3	0.03	0.00004	
				Polyethylene Terephthalate	25038-59-9	0.5	0.00061	
				Saturated Polyester Resin	61926-16-7	0.5	0.00061	
				2-Propenoic Acid, Polymer with Ethenyl Acetate,2-Ethylhexyl 2-Propenoate and 2-Hydroxyethyl 2-Propenoate	50862-46-9	27	0.033	
				Misc, Not to Declare	N/A	0.3	0.0004	
28	Ink	Ink	0.0005	Polyester Resin	149027-65-6	30	0.0011	0.004
				Hydrocarbon Waxes (Petroleum), Oxidized	64743-00-6	3	0.00011	
				Carbon Black	1333-86-4	23.5	0.0009	
				Carnauba-Wax	8015-86-9	20.5	0.0008	
				Vinyl Chloride-Vinyl Acetate Copolymers	9003-22-9	12	0.0005	
				Acrylic Resin	N/A	9	0.0003	
				Styrene-Butadiene Rubber	9003-55-8	2	0.00008	
		Total Weight	13.045					

This Document was updated on: **10/28/2025**

Important remarks:

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