


MATERIAL DECLARATION SHEET



Material Number	6534S			
Product Line	Precision Potentiometer			
Compliance Date	1972			
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	Bearing Ball X 2	Stainless Steel	0.6	Carbon	7440-44-0	1	0.026	2.558
				Silicon	7440-21-3	1	0.026	
				Manganese	7439-96-5	1	0.026	
				Phosphorus	7723-14-0	0.04	0.001	
				Sulfur	7704-39-9	0.03	0.0008	
				Chromium	7440-47-3	17	0.436	
				Nickel	7440-02-0	0.6	0.016	
				Molybdenum	7439-98-7	0.75	0.018	
2	Substrate	DAP compound	3.5145	Iron	7439-89-6	78.58	2.012	14.994
				Antimony Trioxide	1309-64-4	5	0.749	
				Aluminum Hydroxide	21645-51-2	20	2.999	
				Diallyl Phthalate		40	5.998	
3	Termination Ink	Conductor Ink	0.0005	Glass Fiber	65997-17-3	35	5.248	0.002
				Phenolic Resin	9039-25-2	13	0.00002	
				Silver	7440-22-4	85	0.002	
				Graphite	7782-42-5	1	0.00002	

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4	Resistive Ink	Ink	0.003	Phenolic Resin		67	0.009	0.013
				Teflon	9002-84-2	1	0.0001	
				Fume silica	112945-52-5	1	0.0001	
				Barium sulfate	7727-43-7	17	0.002	
				Titanium dioxide	13463-67-7	5	0.0006	
				Carbon Black	1333-86-4	9	0.001	
5	Resistive Ink	Ink	0.003	Phenolic Resin		38	0.005	0.013
				Fume silica	112945-52-5	1	0.0001	
				Carbon Black	1333-86-4	10	0.001	
				Silver	7440-22-4	50	0.006	
6	Collector Ring	Nickel Silver	0.085	Copper	1344-28-1	65.2	0.236	0.364
				Zinc	1314-13-2	17.25	0.063	
				Lead	7439-92-1	0.05	0.0002	
				Nickel	7440-05-0	17	0.062	
				Iron	7439-89-6	0.25	0.001	
				Manganese	7439-96-3	0.5	0.002	
		Under Plating	0.0000388	Nickel	7440-02-0	100	0.0002	0.0002
		Finish Plating	0.0000388	Gold	7440-57-5	100	0.0002	0.0002
7	Washer	Teflon	0.007	Polytetrafluoroethylene	9002-84-0	15	0.005	0.029
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.025	
8	Termination Wire	Wire	0.0025	Nickel	7740-02-0	100	0.011	0.011
		Plating	0.000022	Gold	7440-57-5	100	0.0001	0.0001
9	Servo Lid	Aluminum	5.7	Aluminum	7429-90-5	93.7	22.786	24.391
				Copper	7440-50-8	5.5	1.338	
				Bismuth	7440-69-9	0.4	0.097	
				Lead	7439-92-1	0.4	0.097	

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10	Terminal X 3	Brass	0.06	Copper	7440-50-8	60	0.051	0.085
				Lead	7439-92-1	1	0.001	
				Tin	7440-31-5	1	0.001	
				Zinc	7440-66-6	38	0.032	
		Under Plating	0.0000091	Nickel	7440-02-0	100	0.00004	0.00004
Finish Plating	0.0000091	Gold	7440-57-5	100	0.00004	0.00004		
11	Shaft	Stainless Steel	1.42	Carbon	7440-44-0	0.15	0.009	6.058
				Manganese	7439-96-3	2	0.121	
				Silicon	7440-21-3	1	0.061	
				Iron	7439-89-6	69.7	4.223	
				Sulfur	7704-34-9	0.15	0.009	
				Chromium	7440-47-3	18	1.09	
				Nickel	7440-02-0	9	0.545	
12	Contact Spring Base	Beryllium Copper	0.025	Copper	7440-50-8	97.7	0.104	0.107
				Cobalt	7440-48-4	0.3	0.0003	
				Beryllium	7440-41-7	2	0.002	
		Under Plating	0.0000114	Nickel	7440-02-0	100	0.00005	0.00005
Finish Plating	0.0000114	Gold	7440-57-5	100	0.00005	0.00005		
13	Contact Spring Wiper Brushes X 2	Pamlet	0.0384	Palladium	7440-05-3	35	0.058	0.164
				Silver	7440-22-4	30.1	0.05	
				Copper	7440-50-8	14	0.024	
				Gold	7440-57-5	10	0.016	
				Platinum	7440-06-4	10	0.016	
				Zinc (metal)	7440-66-6	0.9	0.002	
14	Collector Arm	Beryllium Copper	0.27	Copper	7440-50-8	97.7	1.125	1.359
				Cobalt	7440-48-4	0.3	0.004	
				Beryllium	7440-41-7	2	0.023	
15	Cover	Aluminum	7.55	Aluminum	7429-90-5	93.7	30.182	32.307

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				Copper	7440-50-8	5.5	1.759	
				Bismuth	7440-69-9	0.4	0.129	
				Lead	7439-92-1	0.4	0.129	
16	Screw	Stainless Steel	0.01	Carbon	7440-44-0	0.15	0.0001	0.043
				Manganese	7439-96-5	2	0.001	
				Silicon	7740-21-3	1	0.0004	
				Chromium	7740-47-3	18	0.008	
				Nickel	7740-02-0	9	0.004	
				Iron	7439-89-6	69.85	0.029	
17	Clamp Ring	Stainless Steel	0.65	Carbon	7440-44-0	0.15	0.004	2.773
				Manganese	7439-96-5	2	0.056	
				Silicon	7440-21-3	1	0.028	
				Chromium	7440-47-3	18	0.499	
				Nickel	7440-02-0	9	0.249	
				Iron	7439-89-6	69.85	1.937	
18	C-Ring	Stainless Steel	0.01	Iron	1309-37-1	84	0.036	0.043
				Chromium	7440-47-3	13	0.006	
				Silicon	7440-21-3	1	0.0004	
				Manganese	7439-96-3	1	0.0004	
				Carbon	7440-44-0	1	0.0004	
19	Rotor	DAP Compound	3.5145	Antimony Trioxide	1309-64-4	3	0.449	14.994
				Aluminum Hydroxide	21645-51-2	15	2.249	
				Diallyl Phthalate		52	7.797	
				Glass Fiber	65997-17-3	30	4.498	
20	Washer	Stainless Steel	0.01	Iron	7439-89-6	69.85	0.029	0.043
				Chromium	7440-47-3	18	0.008	

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				Manganese	7439-96-3	2	0.001	
				Nickel	7440-02-0	9	0.004	
				Silicon	7440-21-3	1	0.0004	
				Carbon	7440-44-0	0.15	0.0001	
21	Washer	Teflon	0.007	Polytetrafluoroethylene	9002-84-0	15	0.005	0.03
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.025	
22	Washer	Stainless Steel	0.01	Iron	7439-89-6	69.85	0.029	0.043
				Chromium	7440-47-3	18	0.008	
				Manganese	7439-96-3	2	0.001	
				Nickel	7440-02-0	9	0.004	
				Silicon	7440-21-3	1	0.0004	
				Carbon	7440-44-0	0.15	0.0001	
23	Washer	Stainless Steel	0.00555	Iron	7439-89-6	69.85	0.017	0.024
				Chromium	7440-47-3	18	0.004	
				Manganese	7439-96-3	2	0.001	
				Nickel	7440-02-0	9	0.002	
				Silicon	7440-21-3	1	0.0002	
				Carbon	7440-44-0	0.15	0.00004	
		Total weight	23.496					

This Document was updated on: April 21, 2006

Important remarks:

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

Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.