MATERIAL DECLARATION SHEET

Reliable Electronic Solutions

Material Number	6674S		
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	Clamp Ring	Stainless Steel	1.6	Carbon	7440-44-0	0.15	0.006	3.8
				Mangenese	7439-96-5	2	0.076	
				Silicon	7440-21-3	1	0.038	
				Chromium	7440-47-3	18	0.684	
				Nickel	7440-02-0	9	0.342	
				Iron	7439-89-6	69.85	2.655	
2	C-Ring	Stainless Steel	0.009	Carbon	7440-44-0	1	0.0002	0.021
				Manganese	7439-96-5	1	0.0002	
				Silicon	7740-21-3	1	0.0002	
				Chromium	7740-47-3	13	0.003	
				Iron	7439-89-6	84	0.018	
3	Screw	Stainless Steel	0.1	Carbon	7440-44-0	0.15	0.0004	0.238
				Maganese	7439-96-5	2	0.005	
				Silicon	7740-21-3	1	0.002	
				Chromium	7740-47-3	18	0.043	
				Nickel	7740-02-0	9	0.021	
				Iron	7439-89-6	69.85	0.166	

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4	Bearing Ball X 2	Stainless Steel	3	Carbon	7440-44-0	1	0.072	7.126
				Silicon	7440-21-3	1	0.072	
				Manganese	7439-96-5	1	0.072	
				Phosphorus	7723-14-0	0.04	0.002	
				Sulfur	7704-39-9	0.03	0.002	
				Chromium	7440-47-3	17	1.212	
				Nickel	7740-02-0	0.6	0.042	
				Molybdenum	7439-98-7	0.75	0.054	
				Iron	7439-89-6	78.58	5.598	
5	Cover	Aluminum	22.3	Aluminum	7429-90-5	93.7	49.629	53.126
				Copper	7440-50-8	5.5	2.913	
				Bismuth	7440-69-9	0.4	0.212	
				Lead	7439-92-1	0.4	0.212	
6	Collector Arm	Beryllium Copper	1.215	Beryllium	7440-41-7	1.8	0.052	2.895
				Copper	7440-50-8	98.1	2.913	
				Silicon	7740-21-3	0.2	0.006	
				Aluminum	7429-90-5	0.2	0.006	
7	Contact Spring	Palmet	0.0192	Palladium	7440-05-3	35	0.016	0.046
				Silver	7440-22-4	30.1	0.014	
				Copper	7440-50-8	14	0.006	
				Gold	7440-57-5	10	0.005	
				Platinum	7440-06-4	10	0.005	
				Zinc (metal)	7440-66-6	0.9	0.0004	
8	Rotor Molded	DAP Compound	0.53	Antimony Trioxide	1309-64-4	5	0.063	1.259
				Aluminum Trihydrate	21645-51-2	20	0.252	
				Diallyl Phthalate	1344-28-1	25	0.315	
				Glass Fiber	65997-17-3	50	0.629	

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9	Shaft	Stainless Steel	8.743	Carbon	7440-44-0	.15	0.031	20.766
				Manganese	7439-96-5	2	0.415	
				Silicon	7740-21-3	1	0.208	
				Chromium	7740-47-3	18	3.738	
				Nickel	7740-02-0	9	1.869	
				Iron	7439-89-6	69.7	14.474	
				Sulfur	7446-09-5	0.15	0.031	
10	Washer	Stainless Steel	0.012	Iron	7439-89-6	69.85	0.019	0.029
				Carbon	7440-44-0	0.15	0.00004	
				Chromium	7440-47-3	18	0.005	
				Manganese	7439-96-3	2	0.0006	
				Nickel	7440-02-0	9	0.003	
				Silicon	7440-21-3	1	0.0003	
11	Washer	Stainless Steel	0.041	Iron	7439-89-6	69.85	0.068	0.097
				Carbon	7440-44-0	0.15	0.0001	
				Chromium	7440-47-3	18	0.018	
				Manganese	7439-96-3	2	0.002	
				Nickel	7440-02-0	9	0.009	
				Silicon	7440-21-3	1	0.001	
12	Washer	Teflon	0.085	Polytetrafluoroethylene	9002-84-0	15	0.03	0.202
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.172	
13	Collector Ring	Nickel Silver	0.21	Copper	7440-50-8	65	0.324	0.499
				Nickel	7440-22-4	18	0.089	
				Zinc	7440-66-6	17	0.085	
		Plating	0.001917	Gold	7440-57-5	100	0.0005	0.0005
14	Terminal	Phenol Formaldehyde	0.11	Phenol	108-95-2	5	0.013	0.261
				Carbon Black	1333-86-4	10	0.026	
				Coal Dust		10	0.026	
				Graphite	7782-42-5	25	0.065	
				Mica	12001-26-2	40	0.105	
				Talc	14807-96-6	10	0.026	

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15	Washer	Teflon	0.04	Polytetrafluoroethylene	9002-84-0	15	0.014	0.095
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.081	
16	Bush Lid	Aluminum	1.25	Aluminum	7429-90-5	93.7	2.782	2.978
				Copper	7440-50-8	5.5	0.163	
				Bismuth	7440-69-9	0.4	0.012	
				Lead	7439-92-1	0.4	0.012	
17	Collector Ring	Nickel Silver	0.21	Copper	7440-50-8	65	0.324	0.499
				Nickel	7440-22-4	18	0.089	
				Zinc	7440-66-6	17	0.085	
		Plating	0.0000191	Gold	7440-57-5	100	0.00005	0.00005
18	Washer	Teflon	0.04	Polytetrafluoroethylene	9002-84-0	15	0.014	0.095
				1-Dichloro-1-Fluoroethane	1717-00-6	85	0.081	
19	Substrate	DAP Compound	3.7	Antimony Trioxide	1309-64-4	5	0.439	8.788
				Aluminum Hydroxid	21645-51-2	20	1.758	
				Diallyl Phthalate		25	2.197	
				Glass Fiber	65997-17-3	50	4.394	
20	Termination Ink	Ink	0.0005	Phenolic Resin	9039-25-2	13	0.00015	0.001
				Silver	7440-22-4	85	0.001	
				Graphite	7782-42-5	1	0.00001	
21	Resistive Ink	Ink	0.0015	Phenolic Resin		67	0.002	0.004
				Teflon	9002-84-2	1	0.00004	
				Fume silica	112945-52-5	1	0.00004	
				BaSO4	7727-43-7	17	0.0006	
				TiO2	13463-67-7	5	0.0002	
				Carbon Black	1333-86-4	9	0.0003	
22	Resistive Ink	Ink	0.0015	Phenolic Resin		38	0.001	0.004
				Fume silica	112945-52-5	1	0.00004	
				Carbon Black	1333-86-4	10	0.0004	
				Silver	7440-22-4	50	0.002	

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23	Wire X 2	Nickel	0.042	Nickel	7440-02-0	100	0.098	0.098
		Plating	0.0000382	Gold	7440-57-5	100	0.0001	0.0001
24	Wire X 2	Nickel	0.042	Nickel	7440-02-0	100	0.098	0.098
		Total weight	42.102					

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

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