


MATERIAL DECLARATION SHEET



Material Number	6539S			
Product Line	Precision Potentiometer			
Compliance Date	1993			
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	Cover	Diallyl Phthalate	1.8	Antimony Trioxide	1309-64-4	5	0.755	15.105
				Aluminum Trihydrate	21645-51-2	15	2.266	
				Diallyl Phthalate	1344-28-1	35	5.287	
				Glass Fiber	65997-17-3	45	6.797	
2	Center Terminal	Brass	0.125	Copper	7440-50-8	61.5	0.645	1.049
				Lead	7439-92-1	3	0.031	
				Zinc	7440-66-6	35.5	0.372	
		Under Plating	0.000057	Nickel	7440-02-0	100	0.0005	0.0005
Finish Plating	0.000057	Gold	7440-57-5	100	0.0005	0.0005		
3	T.R. Terminal X 2	Brass	0.25	Copper	7440-50-8	61.5	1.29	2.098
				Lead	7439-92-1	3	0.063	
				Zinc	7440-66-6	35.5	0.745	
		Under Plating	0.0000958	Nickel	7440-02-0	100	0.0008	0.0008
Finish Plating	0.0000958	Gold	7440-57-5	100	0.0008	0.0008		
4	Resistive Ink 1	Ink	0.0015	Phenolic Resin		67	0.008	0.013
				Teflon	9002-84-0	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					

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5	Resistive Ink 2	Ink	0.0015	Phenolic Resin		67	0.008	0.013
				Teflon	9002-84-0	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	
6	Conductive Ink	Ink	0.0005	Phenolic Resin		13	0.0005	0.004
				Silver	7440-22-4	86	0.004	
				Graphite	7782-42-5	1	0.00004	
7	Conductive Epoxy	Epoxy	0.0004	Bisphenol A Polyglycidyl Ether	25068-38-6	27	0.0009	0.003
				Butyl Glydicyl Ether	2426-08-6	9	0.0003	
				Silver	7440-22-4	64	0.002	
8	Servo Lid	Aluminum	7.55	Aluminum	7429-90-5	93.7	59.367	63.359
				Copper	7440-50-8	5.5	3.485	
				Bismuth	7440-69-9	0.4	0.253	
				Lead	7439-92-1	0.4	0.253	
9	Shaft	Stainless Steel	1.3	Nickel	7440-02-0	9	0.982	10.909
				Chromium	7440-47-3	18	1.964	
				Iron	1309-37-1	69.85	7.62	
				Silicon	7740-21-3	1	0.109	
				Manganese	7439-96-5	2	0.218	
				Carbon	7440-44-0	0.15	0.016	
10	Washer 1	Stainless Steel	0.00153	Iron	7439-89-6	69.85	0.009	0.013
				Chromium	7440-47-3	18	0.002	
				Manganese	7439-96-3	2	0.0003	
				Nickel	7440-02-0	9	0.001	
				Silicon	7440-21-3	1	0.0001	
				Carbon	7440-44-0	0.15	0.00002	

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11	Washer 2	Stainless Steel	0.01	Iron	7439-89-6	69.85	0.059	0.084
				Chromium	7440-47-3	18	0.015	
				Manganese	7439-96-3	2	0.002	
				Nickel	7440-02-0	9	0.008	
				Silicon	7440-21-3	1	0.0008	
				Carbon	7440-44-0	0.15	0.0001	
12	Washer 3	Stainless Steel	0.00555	Iron	7439-89-6	69.85	0.033	0.047
				Chromium	7440-47-3	18	0.008	
				Manganese	7439-96-3	2	0.0009	
				Nickel	7440-02-0	9	0.004	
				Silicon	7440-21-3	1	0.0005	
				Carbon	7440-44-0	0.15	0.0001	
13	Washer 4	Stainless Steel	0.00188	Iron	7439-89-6	69.85	0.011	0.016
				Chromium	7440-47-3	18	0.003	
				Manganese	7439-96-3	2	0.0003	
				Nickel	7440-02-0	9	0.001	
				Silicon	7440-21-3	1	0.0002	
				Carbon	7440-44-0	0.15	0.00002	
14	Lube	Grease	0.00815	Polysiloxane		100	0.068	0.068
15	C-Ring X 2	Stainless Steel	0.02	Iron	1309-37-1	84	0.141	0.168
				Chromium	7440-47-3	13	0.022	
				Silicon	7440-21-3	1	0.002	
				Manganese	7439-96-3	1	0.002	
				Carbon	7440-44-0	1	0.002	
16	Bearing Sleeve X 2	Bronze Alloy	0.7	Copper	7440-50-8	88	5.169	5.874
				Zinc	7440-66-6	4	0.235	
				Lead	7439-92-1	4	0.235	
				Tin	7440-31-5	4	0.235	
17	Contact Spring	Palmet	0.05	Copper	7440-50-8	16	0.067	0.419

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				Platinum	7440-06-4	1	0.004	
				Nickel	7440-02-0	1	0.004	
				Silver	7440-22-4	44	0.185	
				Palladium	7440-05-3	38	0.159	
18	Rotor	PBT	0.09	Glass	65997-17-3	30	0.227	0.755
				Poly(butylene terephthalate)	30965-26-5	67	0.506	
				Antimony Oxide	1309-64-4	3	0.023	
		Total weight						

This Document was updated on: June 26, 2006

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Per [Product Update Memo SC2436](#), this MDS is under revision. The updated version will be posted soon.