


# MATERIAL DECLARATION SHEET



Model #	3900 Pot/Rotary Switch	
Product Line	Single turn panel control with switch	
Posted Date		
Compliance Date	Q1 / 2005	
RoHS Compliant	Yes	

No.	Construction element	Material group	Material weight [g]	Materials	CAS if applicable	Average mass [%]	Sum [%]
1	Body	PPS	0.48	Polyphenylene Sulfide (PPS)	26125-40-6	85%	13.77%
				15% Glass fibers	65997-17-3	15%	
2	Bushing	Zinc Alloy	1.150	Zinc	7440-66-6	100%	32.98%
3	Rotor	Nylon	0.08	Polyester	25038-54-4	85%	2.29%
				15% Glass fibers	65997-17-3	15%	
4	Contact Spring	Nickel Silver Alloy	0.100	Nickel	7440-02-0	18%	2.87%
				Copper	7440-50-8	55%	
				Zinc	7440-66-6	27%	
5	Stop Plate	Stainless steel Alloy	0.0066	Iron	7439-89-6	74%	0.19%
				Chromium	7440-47-3	18%	
				Nickel	7440-02-0	8%	
6	O-ring	Silicone	0.003	Silicone	*****	100%	0.09%
7	Potting Adhesive	Epoxy	0.040	Epoxy	25068-38-6	87.5%	1.15%
				Antimony trioxide	1309-64-4	12.5%	
8	Element	Ceramic	0.500	Alumina	1344-28-1	100%	14.34%
9	Element pins	Copper Alloy	0.010	Copper	7440-50-8	99.95%	0.29%
				Phosphorus	7723-14-0	0.05%	
10	Element Pin Plating	Tin	0.003	Tin	7440-31-5	100%	0.09%
11	Element Term Ink	Conductor Ink	0.002	Silver	7440-22-4	60%	0.06%
				Glass	65997-18-4	5-10%	



Reliable Electronic Solutions

				Palladium	7440-05-3	10-30%	
12	Element Resistive ink	Conductive Plastic ink	0.002	Polyester resin	9039-25-2	77%	0.06%
				Graphite	7782-42-5	4%	
				Carbon Black	1333-86-4	19%	
				Beryllium	7440-41-7	1.85-2.05%	
13	Spring Switch	Beryllium Nickel Alloy	.015	Nickel	7440-02-0	Balance	0.43%
				Titanium	7440-32-6	0.4-0.6%	
				Silver (plate)	7440-22-4	Trace	
				Copper	7440-50-8	70%	
14	Terminal A	Brass	0.050	Zinc	7440-66-6	30%	1.43%
				Silver (plate)	7440-22-4	Trace	
		Total weight	2.4416				

15	Terminal B with silver plating	Brass 260	0.040	Copper	7440-50-8	70%	1.14%	
				Zinc	7440-66-6	30%		
				Silver plating	7440-22-4	trace		
16	Spring switch helper	Beryllium Copper C17200	.015	Beryllium	7440-41-7	98.1%	0.43%	
				Copper	7440-50-8	1.9%		
				Cobalt	7440-48-4	0.20%		
17	Shaft	Brass	0.990	Copper alloy	7440-50-8	100%	28.39%	
		Total weight	3.5 Grams					