

## Material Composition for P164 Potentiometer

Part No.	Description	Sub-component	Material	Chemical Name	CAS #	Total weight of composition part name(mg)		weight of composition part name (mg)	(% of Sub Weight)	Special Classification					
P164	Potentiometer	Shaft	A2011 Aluminum	Fe	7439-89-6	531.40	531.40	3.72	0.70%						
				Si	7440-21-3			2.13	0.40%						
				Cu	7440-50-8			26.57	5.00%						
				Mn	7439-96-5			0.27	0.05%						
				Mg	7439-95-4			2.66	0.50%						
				Al	7429-90-5			493.40	92.85%						
				Bi	7440-69-9			1.06	0.20%						
				Zn	7440-66-6			1.59	0.30%						
				B.K.P	65996-61-4			156.33	45.00%						
				Phenolic Resin	9003-35-4			191.07	55.00%						
		Element	Phenolic Laminate	Methanol	67-56-1	368.40	347.40	2.10	15.00%						
				Carbom Black	1333-86-4			9.80	70.00%						
				Talc	14807-96-6			0.56	4.00%						
				Polymer with xylene B phend	29601-89-0			0.42	3.00%						
			Carbon Plasm	Moncbutyi Ether	112-34-5			0.42	3.00%						
				Silver	7440-22-4			0.70	5.00%						
				Phenolic resin	9039-25-2			1.17	19.50%						
				Silver	7440-22-4			3.00	50.00%						
				Glass powder	65997-17-3			0.03	0.50%						
				Graphite	7782-42-5			0.30	5.00%						
				Molybdeum disulfide	1317-33-5			0.30	5.00%						
				Diethylene glycol monveihyl ether	111-90-0			1.20	20.00%						
			Silver Plasm	Epoxy Resin	25085-99-8			0.50	50.00%						
				Barium Sulfate Talc	7727-43-7			0.15	15.00%						
				Titanium sulfate	13463-67-7			0.30	30.00%						
				Diethylene Glycol Monoethyl Ether Acetate	112-15-2			0.05	5.00%						
			White Oil	ACETAL POLYMER	002-81-7			319.00	319.00		312.62	98.00%			
				STABILIZER	70624-18-9						6.37	2.00%			
				C	7440-44-0						0.22	0.20%			
				Mn	7439-96-5						0.22	0.20%			
		Terminal	SPCC	P	7723-14-0	109.80	107.80	0.04	0.04%						
				S	7704-34-9			0.04	0.04%						
				Si	7440-21-3			0.32	0.30%						
				Al	7429-90-5			0.05	0.04%						
				Fe	7439-89-6			106.91	99.18%						
				Tin And Pure atomize	Sn			7440-31-5	2.00		2.00	100.00%			
				Slider	C7701			Cu	7440-50-8		72.60	72.60	39.97	55.05%	
								Zn	7440-66-6				19.06	26.25%	
			Ni					7440-02-0	13.07				18.00%		
			Mn					7439-96-5	0.36				0.50%		
		Fe	7439-89-6			0.15	0.20%								
		Case	SPCC	C	7440-44-0	1741.00	1739.00	3.48	0.20%						
				Mn	7439-96-5			3.48	0.20%						
				P	7723-14-0			0.70	0.04%						
				S	7704-34-9			0.70	0.04%						
				Si	7440-21-3			5.22	0.30%						
				Al	7429-90-5			0.77	0.04%						
				Fe	7439-89-6			1724.67	99.18%						
			Luster Tin Plating	Sn	7440-31-5			2.00	2.00		100.00%				
			Shaft Set	ALLOY Zinc Alloy	Al			7429-90-5	1932.00		1932.00	77.28	4.00%		
					Cu			7440-50-8				9.66	0.50%		
		Mg			7439-95-4	0.97	0.05%								
		Fe			7439-89-6	0.19	0.01%								
		Sn			7440-31-5	0.19	0.01%								
		Zn			7440-66-6	1843.71	95.43%								
		NUT	Fe+Nickel	Fe	7439-89-6	848.00	848.00	831.04	98.00%						
				Ni	7440-02-0			16.96	2.00%						
		Washer	SPCC	C	7440-44-0	222.20	221.20	0.44	0.20%						
				Mn	7439-96-5			0.44	0.20%						
				P	7723-14-0			0.09	0.04%						
				S	7704-34-9			0.09	0.04%						
				Si	7440-21-3			0.66	0.30%						
				Al	7429-90-5			0.10	0.04%						
				Fe	7439-89-6			219.38	99.18%						
			Luster Tin Plating	Sn	7440-31-5			1.00	1.00		100.00%				
			Shaft Oil	Base oil+Addition	Polyisobutylene			9003-27-4	2.00		2.00	1.20	60.00%		
					PAO			68037-01-4				0.70	35.00%		
		Fumed Sitica			68611-44-9	0.10	5.00%								

<b>Total</b>	<b>6146.400</b>	
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