

Material Composition for P163 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	
		Terminal	SPCC	C	7440-44-0	162.80	162.50	0.33	0.20%		
				Mn	7439-96-5			0.33	0.20%		
				P	7723-14-0			0.07	0.04%		
				S	7704-34-9			0.07	0.04%		
				Si	7440-21-3			0.49	0.30%		
				Al	7429-90-5			0.07	0.04%		
				Fe	7439-89-6			161.17	99.18%		
			Tin And Pure atomize	Sn	7440-31-5	0.30	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%		
		Shaft	A2011 Aluminum alloy	Si	7440-21-3	1338.10	1338.10	5.35	0.40%		
				Fe	7439-89-6			9.37	0.70%		
				Cu	7440-50-8			66.91	5.00%		
				Mn	7439-96-5			0.67	0.05%		
				Mg	7439-95-4			6.69	0.50%		
				Al	7429-90-5			1242.43	92.85%		
				Bi	7440-69-9			2.68	0.20%		
				Zn	7440-66-6			4.01	0.30%		
		Element	Phenolic Laminate	B.K.P	65996-61-4	368.40	347.40	156.33	45.00%		
				Phenolic Resin	9003-35-4			191.07	55.00%		
			Carbon Plasm	Methanol	67-56-1			14.00	2.10		15.00%
				Carbom Black	1333-86-4				9.80		70.00%
				Talc	14807-96-6				0.56		4.00%
				Polymer with xylene 8 phend	29601-89-0				0.42		3.00%
				Monobutyi Ether	112-34-5				0.42		3.00%
Silver	7440-22-4			0.70	5.00%						
Silver Plasm	Phenolic resin		9039-25-2	6.00	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%			
White Oil	Epoxy Resin		25085-99-8	1.00	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%			
STOP PLATE	POM	ACETAL POLYMER	002-81-7	192.00	192.00	188.16	98.00%				
		STABILIZER	70624-18-9			3.84	2.00%				
Terminal	SPCC	C	7440-44-0	162.80	162.50	0.33	0.20%				
		Mn	7439-96-5			0.33	0.20%				
		P	7723-14-0			0.07	0.04%				
		S	7704-34-9			0.07	0.04%				
		Si	7440-21-3			0.49	0.30%				
		Al	7429-90-5			0.07	0.04%				
		Fe	7439-89-6			161.17	99.18%				
		Tin And Pure atomize	Sn			7440-31-5	0.30	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	1376.00	1374.30	2.75	0.20%	RoHS exempt,Pb in easy-cut Copper	
		Mn	7439-96-5			2.75	0.20%		
		P	7723-14-0			0.55	0.04%		
		S	7704-34-9			0.55	0.04%		
		Si	7440-21-3			4.12	0.30%		
		Al	7429-90-5			0.55	0.04%		
		Fe	7439-89-6			1363.03	99.18%		
	Luster Tin Plating	Sn	7440-31-5	1.70	1.70	100.00%			
Shaft Set	C3604 easy-cut Copper	Cu	7440-50-8	1832.00	1832.00	1121.92	61.24%		
		Zn	7440-66-6			670.33	36.59%		
		Pb	7439-92-1			33.34	1.82%		
		Fe	7439-89-6			6.41	0.35%		
Switch Case	SPCC	C	7440-44-0	3440.00	3437.00	6.87	0.20%		
		Mn	7439-96-5			6.87	0.20%		
		P	7723-14-0			1.37	0.04%		
		S	7704-34-9			1.37	0.04%		
		Si	7440-21-3			10.31	0.30%		
		Al	7429-90-5			1.37	0.04%		
		Fe	7439-89-6			3408.82	99.18%		
	Nickel Plating	Ni	7440-02-0	3.00	3.00	100.00%			
Switch Element	Phenolic Laminate	B.K.P	65996-61-4	345.00	345.00	155.25	45.00%		
		Phenolic Resin	9003-35-4			189.75	55.00%		
Switch Block	POM	ACETAL POLYMER	002-81-7	257.50	257.50	252.35	98.00%		
		STABILIZER	70624-18-9			5.14	2.00%		
Contact Plate	C5210	Copper	7440-50-8	212.50	211.50	191.83	90.70%		
		Tin(Sn)	7440-31-5			19.04	9.00%		
		P	7723-14-0			0.63	0.30%		
	Silver plating	Ag	7440-22-4	1.00	1.00	100.00%			
Canula	A2011 Aluminum alloy	Si	7440-21-3	3720.00	3720.00	14.88	0.40%		
		Fe	7439-89-6			26.04	0.70%		
		Cu	7440-50-8			186.00	5.00%		
		Mn	7439-96-5			1.86	0.05%		
		Mg	7439-95-4			18.60	0.50%		
		Al	7429-90-5			3454.02	92.85%		
		Bi	7440-69-9			7.44	0.20%		
		Zn	7440-66-6			11.16	0.30%		
Contact Terminal	C2680	Cu	7440-50-8	180.00	180.00	122.40	68.00%		
		Zn	7440-66-6			57.60	32.00%		
	Ag Plating	Ag	7440-22-4	1.00	1.00	100.00%			
NUT	Fe+Nickel	Fe	7439-89-6	350.00	350.00	343.00	98.00%		
		Ni	7440-02-0			7.00	2.00%		
Washer	SPCC	C	7440-44-0	122.20	121.40	0.24	0.20%		
		Mn	7439-96-5			0.24	0.20%		
		P	7723-14-0			0.05	0.04%		
		S	7704-34-9			0.05	0.04%		
		Si	7440-21-3			0.36	0.30%		
		Al	7429-90-5			0.05	0.04%		
		Fe	7439-89-6			120.40	99.18%		
		Luster Tin Plating	Sn			7440-31-5	0.80	0.80	100.00%
		Switch Plate	C2680			Cu	7440-50-8	112.20	111.20
	Zn			7440-66-6	35.58	32.00%			
Ag Plating	Ag		7440-22-4	1.00	1.00	100.00%			
Spring	SWP-B	Si	7440-21-3	22.00	22.00	0.14	0.64%		
		Mn	7439-96-5			0.27	1.24%		
		P	7723-14-0			1.83	8.31%		
		S	7704-34-9			0.01	0.03%		
		Fe	7439-89-6			19.75	89.78%		
		Cu	7440-50-8			116.48	68.00%		
Spring Plate	C2680	Zn	7440-66-6	173.30	171.30	54.82	32.00%		
		Ag Plating	Ag			7440-22-4	2.00	100.00%	
	Base board	Phenolic Laminate	B.K.P	65996-61-4	345.00	345.00	155.25	45.00%	
Phenolic Resin			9003-35-4	189.75			55.00%		
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 Silica	68611-44-9			0.10	5.00%		

Total	14860.000
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