

Material Composition for LM1001-060 Potentiometer

Part No.	Description	Sub-component	Mass (g)	Material	Chemical Name	% of Total Mass	CAS #	Special Classification
LM1001	Potentiometer	Case	8.8	Tinplate	Fe	98.00%	7439-89-6	
					C	0.13%	7440-44-0	
					Si	0.03%	7440-21-3	
					Mn	0.60%	7439-96-5	
					P	0.02%	7723-14-0	
					S	0.05%	7704-34-9	
					Sn	1.1693%	7440-31-5	
					Cr	0.0007%	7440-47-3	
					Al	97.39%	7429-90-5	
					Si	0.1%	7440-21-3	
		Lever/metal	2.4	Aluminum alloy	Fe	0.2%	7439-89-6	
					Cu	0.02%	7440-50-8	
					Mn	0.02%	7439-96-5	
					Mg	2.25%	7439-95-4	
					Zn	0.02%	7440-66-6	
					1,3,5-trioxan trioxymethylene	98.00%	110-88-3	
					1,3-Dioxolane	2.00%	646-06-0	
					C	40%	7440-44-0	
					Si	1%	7440-21-3	
					Mn	26%	7439-96-5	
		Terminal	0.15	SPCC	P	19%	7723-14-0	
					Sn	2%	7440-31-5	
					Ni	12%	7440-02-0	
					Fe	98.00%	7439-89-6	
					C	0.13%	7440-44-0	
					Si	0.03%	7440-21-3	
					Mn	0.60%	7439-96-5	
					P	0.02%	7723-14-0	
					S	0.05%	7704-34-9	
					Sn	1.1693%	7440-31-5	
		Bracket	6.9	Tinplate	Cr	0.0007%	7440-47-3	
					Cu	Margin	7440-50-8	
					Sn	7.9%	7440-31-5	
					Ni	≤0.2%	7440-02-0	
					P	0.1-0.25%	7723-14-0	
					Fe	≤0.5%	7439-89-6	
					Pb	≤0.02%	7439-92-1	RoHS exempt (6)
					C	40%	7440-44-0	
					Si	1%	7440-21-3	
					Mn	26%	7439-96-5	
		Wiper	11.3	Phosphor bronze	P	19%	7723-14-0	
					Sn	2%	7440-31-5	
					Ni	12%	7440-02-0	
					Fe	98.00%	7439-89-6	
					C	0.13%	7440-44-0	
					Si	0.03%	7440-21-3	
					Mn	0.60%	7439-96-5	
					P	0.02%	7723-14-0	
					S	0.05%	7704-34-9	
					Sn	1.1693%	7440-31-5	
		Fixation/pin	0.936	SPCC	Cr	0.0007%	7440-47-3	
					Cu	Margin	7440-50-8	
					Sn	7.9%	7440-31-5	
					Ni	≤0.2%	7440-02-0	
					P	0.1-0.25%	7723-14-0	
					Fe	≤0.5%	7439-89-6	
					Pb	≤0.02%	7439-92-1	RoHS exempt (6)
					C	40%	7440-44-0	
					Si	1%	7440-21-3	
					Mn	26%	7439-96-5	
		Fixation/plastic	1.103	PBT+15%GF	PBT	55-75%	26062-94-2	
					Flame retardant	6-16%	68928-70-1	
					Antimony trioxide	1-6%	1309-64-4	
					Glass fiber	12-18%	65997-17-3	
					Additives	1-10%	N/A	
					Cu	Margin	7440-50-8	
					Sn	7-9%	7440-31-5	
					Ni	≤0.2%	7440-02-0	
					P	0.1-0.25%	7723-14-0	
					Fe	≤0.5%	7439-89-6	
		Wiper	0.03	Phosphor bronze	Pb	≤0.02%	7439-92-1	RoHS exempt (6)
					C	40%	7440-44-0	
					Si	1%	7440-21-3	
					Mn	26%	7439-96-5	
					P	19%	7723-14-0	
					Sn	2%	7440-31-5	
					Ni	12%	7440-02-0	
					PBT	55-75%	26062-94-2	
					Flame retardant	6-16%	68928-70-1	
					Antimony trioxide	1-6%	1309-64-4	
		Pin stand	1.243	PBT+15%GF	Glass fiber	12-18%	65997-17-3	
					Additives	1-10%	N/A	
					Cu	Margin	7440-50-8	
					Sn	7-9%	7440-31-5	
					Ni	≤0.2%	7440-02-0	
					P	0.1-0.25%	7723-14-0	
					Fe	≤0.5%	7439-89-6	
					Pb	≤0.02%	7439-92-1	RoHS exempt (6)
					C	40%	7440-44-0	
					Si	1%	7440-21-3	
		Rivet	0.03	Brass	Cu	64-68%	7440-50-8	
					Zn	Margin	7440-66-6	
					1,3,5-trioxan trioxymethylene	98.00%	110-88-3	
					1,3-Dioxolane	2.00%	646-06-0	
					C	25%	7440-44-0	
					Graphite	15%	7782-42-5	
					Formaldehyde	60%	65997-17-3	
					Cu	55.00%	7440-50-8	
					Zn	25.00%	7440-66-6	
					P	0.50%	7723-14-0	
Cover bearing	0.2	Cover bearing	C	1.00%	7440-44-0			
			Fe	18.50%	7439-89-6			
			Cu	55.00%	7440-50-8			
			Zn	25.00%	7440-66-6			
			P	0.50%	7723-14-0			
			C	1.00%	7440-44-0			
			Fe	18.50%	7439-89-6			
			Fe ₂₂ O ₁₉ Sr	91.00%	12023-91-5			
			[CH2-CHCl-CH2-CH2]n	9.00%	64754-90-1			
			O2N	94.77%	1314-13-2			
Casing bearing	0.3	Casing bearing	CoO	1.12%	11104-61-3			
			MnCO3	0.52%	598-62-9			
			Al2O3	1.64%	1302-74-5			
			Ag	1.95%	7440-22-4			
			Fe	84.88%	7439-89-6			
			C	0.45%	7440-44-0			
			Si	1.00%	7440-21-3			
			Mn	1.00%	7439-96-5			
			P	0.04%	7723-14-0			
			S	0.03%	64742-79-6			
VDR	0.3	VDR	Ni	0.60%	7440-02-0			
			Cr	12.00%	7440-47-3			
			Cu	53.50%	7440-50-8			
			Ni	16.50%	7440-02-0			
			Pd	30.00%	7440-5-3			
			Fe	98.00%	7439-89-6			
			Al	0.10%	7429-90-5			
			C	0.13%	7440-44-0			
			Cu	0.20%	7440-50-8			
			Mn	0.60%	7439-96-5			
Shaft	0.5	Shaft	FeP	0.02%	8049-19-2			
			Sb	0.05%	7704-34-9			
			Sn	0.83%	7440-31-5			
			Cr	0.0007	7440-47-3			
			(C ₁₀ H ₁₆ O ₂)n	94.00%	25038-59-9			
			(C ₃ H ₄ O ₂)n	4.00%	9003-01-4			
			H ₂ O ₃ Si	1.00%	10279-57-9			
			CBH18OPTSi2	1.00%	68478-92-2			
			Cu	100.00%	7440-50-8			
			[(CH ₂) ₄ OCC ₂ H ₄ COO]n	100.00%	26062-94-2			
Wiper holder	0.01	Wiper holder	(C ₁₀ H ₁₆ O ₂)n	99.00%	9004-35-7			
			Cl ₂ Zn	1.00%	7664-85-7			
			Cu	95.00%	7440-50-8			
			C ₃ H ₈ N ₂ O	5.00%	9009-54-5			
			(C ₁₂ H ₂₂ N ₂ O ₂)n	67.90%	32131-17-2			
			SiO ₂	32.00%	65997-17-3			
			C	0.10%	1333-86-4			
			(C ₃ H ₄ O ₂ , C ₃ H ₆ O) _x	100.00%	24969-25-3			
			(C ₁₀ H ₁₆ O ₂)n	100.00%	25038-59-9			
			Fe	93.00%	7439-89-6			
Damp bar	0.3	Damp bar	Al	2.00%	7429-90-5			
			Sb	0.10%	7440-36-0			
			C	0.05%	7440-44-0			
			Mn	1.50%	7439-96-5			
			FeP	0.15%	8049-19-2			
			Si	3.07%	7440-21-3			
			Sb	0.04%	7704-34-9			
			Sn	0.10%	7440-31-5			
			Sn	99.30%	7440-31-5			
			Cu	0.70%	7440-50-8			
Electrodes	0.3	Electrodes	Fe	97.74%	7439-89-6			
			C	0.16%	7440-44-0			
			Si	0.10%	7440-21-3			
			Mn	1.80%	7439-96-5			
			FeP	0.14%	8049-19-2			
			Sb	0.06%	7704-34-9			
			Fe	97.74%	7439-89-6			
			C	0.16%	7440-44-0			
			Si	0.10%	7440-21-3			
			Mn	1.80%	7439-96-5			
Frame	0.3	Frame	FeP	0.14%	8049-19-2			
			Sb	0.06%	7704-34-9			
			C	40%	7440-44-0			
			Si	1%	7440-21-3			
			Mn	26%	7439-96-5			
			P	19%	7723-14-0			
			Sn	2%	7440-31-5			
			Ni	12%	7440-02-0			
			1,3,5-trioxan trioxymethylene	98.00%	110-88-3			
			1,3-Dioxolane	2.00%	646-06-0			
Clamping ring	0.3	Clamping ring	MDI	25-35%	101-68-8			
			POLYOL	65-75%	9082-00-2			
			1,3,5-trioxan trioxymethylene	98.00%	110-88-3			
			1,3-Dioxolane	2.00%	646-06-0			
			BASIC OIL	75-80%	25189-70-2			
			VISCOUS	10-15%	9003-27-4			
			ADDITIVE	3-5%	25038-59-9			
			Cu	100.00%	7440-50-8			
			[(CH ₂) ₄ OCC ₂ H ₄ COO]n	100.00%	26062-94-2			
			(C ₁₀ H ₁₆ O ₂)n	99.00%	9004-35-7			
Wiper	0.01	Wiper	Cl ₂ Zn	1.00%	7664-85-7			
			Cu	95.00%	7440-50-8			
			C ₃ H ₈ N ₂ O	5.00%	9009-54-5			
			(C ₁₂ H ₂₂ N ₂ O ₂)n	67.90%	32131-17-2			
			SiO ₂	32.00%	65997-17-3			
			C	0.10%	1333-86-4			
			(C ₃ H ₄ O ₂ , C ₃ H ₆ O) _x	100.00%	24969-25-3			
			(C ₁₀ H ₁₆ O ₂)n	100.00%	25038-59-9			
			Fe	93.00%	7439-89-6			
			Al	2.00%	7429-90-5			
Wiper holder	0.01	Wiper holder	Sb	0.10%	7440-36-0			
			C	0.05%	7440-44-0			
			Mn	1.50%	7439-96-5			
			FeP	0.15%	8049-19-2			
			Si	3.07%	7440-21-3			
			Sb	0.04%	7704-34-9			
			Sn	0.10%	7440-31-5			
			Sn	99.30%	7440-31-5			
			Cu	0.70%	7440-50-8			
			Fe	97.74%	7439-89-6			
Damp bar	0.3	Damp bar	C	0.16%	7440-44-0			
			Si	0.10%	7440-21-3			
			Mn	1.80%	7439-96-5			
			FeP	0.14%	8049-19-2			
			Sb	0.06%	7704-34-9			
			Fe	97.74%	7439-89-6			
			C	0.16%	7440-44-0			
			Si	0.10%	7440-21-3			
			Mn	1.80%	7439-96-5			
			FeP	0.14%	8049-19-2			
Frame	0.3	Frame	Sb	0.06%	7704-34-9			
			C	40%	7440-44-0			
			Si	1%	7440-21-3			
			Mn	26%	7439-96-5			
			P	19%	7723-14-0			
			Sn	2%	7440-31-5			
			Ni	12%	7440-02-0			
			1,3,5-trioxan trioxymethylene	98.00%	110-88-3			
			1,3-Dioxolane	2.00%	646-06-0			
			BASIC OIL	75-80%	25189-70-2			
Clamping ring	0.3	Clamping ring	VISCOUS	10-15%	9003-27-4			
			ADDITIVE	3-5%	25038-59-9			
			Cu	100.00%	7440-50-8			
			[(CH ₂) ₄ OCC ₂ H ₄ COO]n	100.00%	26062-94-2			
			(C ₁₀ H ₁₆ O ₂)n	99.00%	9004-35-7			
			Cl ₂ Zn	1.00%	7664-85-7			
			Cu	95.00%	7440-50-8			
			C ₃ H ₈ N ₂ O	5.00%	9009-54-5			
			(C ₁₂ H ₂₂ N ₂ O<					