

Material Composition for LM1001-100 Potentiometer

| Part No. | Description | Sub-component | Mass (g) | Material | Chemical Name | % of Total Mass | CAS # | Special Classification |
|-----------------|---------------|------------------|---|-----------------|-------------------------------|-----------------|------------|------------------------|
| LM1001 | Potentiometer | Case | 12 | 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 | 0.414 | 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 | 10.9 | 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 ₂₃ 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% | 7646-85-7 | | | |
| | | | 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 ₅ H ₈ O ₂ C ₂ H ₄ 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 | | | |
| | | | Fe | 93.00% | 7439-89-6 | | | |
| | | | Al | 2.00% | 7429-90-5 | | | |
| | | | Sb | 0.10% | 7440-36-0 | | | |
| Lacquered wire | 2.9 | Lacquered wire | 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 | | | |
| | | | C | 0.16% | 7440-44-0 | | | |
| Medium plate | 0.8 | Medium plate | 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 | | | |
| | | | Sb | 0.06% | 7704-34-9 | | | |
| Pipe | 0.1 | Pipe | 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 | | | |
| | | | VISCOUS | 10-15% | 9003-27-4 | | | |
| ADDITIVE | 3-5% | 25038-59-9 | | | | | | |
| Insulated plate | 0.2 | Insulated plate | Fe | 93.00% | 7439-89-6 | | | |
| | | | 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 | | | |
| Punching sheet | 5.3 | Punching sheet | Cu | 0.70% | 7440-50-8 | | | |
| | | | 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 | | | |
| Solder wire | 0.01 | Solder wire | Mn | 26% | 7439-96-5 | | | |
| | | | P | 19% | 7723-14-0 | | | |
| | | | Sn | 2% | 7440-31-5 | | | |
| | | | Ni | 12% | 7440-0 | | | |