

7284 BOM-style material declaration. BI Technologies Corporation

11/12/2014

No content here is banned per E.U. R.o.H.S.. Average mass of 7284 potentiometer is 20.8 grams each. Prepared by Eric Arnold (714) 447-2565
Weights in table above 1 milligram rounded to the nearest mg. Values less than 1 milligram given in scientific notation.

| Sub-component | Material | % of total mass | Substance name | CAS # | Substance Weight (grams) | Special classification |
|----------------|-------------------|-----------------|---|------------|--------------------------|--|
| Housing | PBT plastic blend | 20.0% | PBT | 26062-94-2 | 2.707 | antimony fire retardant non-hazardous BPA halogen halogen & BPA non-hazardous |
| | | | fiberglass | 65997-17-3 | 1.249 | |
| | | | antimony oxide | 1309-64-4 | 0.208 | |
| | lubricant | 0.001% | alkyl/fluoroalkyl substituted arylamine diisocyanate reaction product | n/a | 5.00E-05 | |
| | | | trifluoropropylmethyl siloxane trimethyl terminated | 63148-56-1 | 1.50E-04 | |
| | epoxy | 0.010% | bisphenol-A | 80-05-7 | 5.94E-05 | |
| | | | calcium carbonate | 471-34-1 | 6.01E-04 | |
| | | | diethylene triamine | 111-40-0 | 1.21E-04 | |
| | | | epichlorohydrin | 106-89-8 | 2.73E-08 | |
| | | | epoxy resin, epichlorohydrin/bisphenol A | 25068-38-6 | 5.46E-04 | |
| | | | iron oxide, black | 1317-61-9 | 9.10E-05 | |
| | | | SiO2, amorphous | 7631-86-9 | 3.64E-05 | |
| | marking | 0.0014% | trimethylolethane triglycidyl ether | 30499-70-8 | 5.46E-04 | |
| | | | cobalt napthenate | 61789-51-3 | 7.50E-06 | |
| | | | cobalt neodecanonate | 27253-31-2 | 7.50E-06 | |
| | | | Hexahydro-1,3- isobenzofurandione | 85-42-7 | 3.75E-05 | |
| trade secret | | | n/a | 2.48E-04 | | |
| Front lid | PBT plastic blend | 5.58% | PBT | 26062-94-2 | 0.753 | |
| | | | fiberglass | 65997-17-3 | 0.348 | |
| | Bushing insert | 11.48% | antimony oxide | 1309-64-4 | 0.058 | |
| | | | Cu | 7440-50-8 | 1.467 | |
| Rear lid | PBT plastic blend | 2.60% | Zn | 7440-66-6 | 0.842 | |
| | | | Pb | 7439-92-1 | 0.076 | |
| | | | Ni | 7440-02-0 | 0.004 | |
| Slip ring | brass ring | 1.19% | Bushing Ni plating | 7440-02-0 | 0.004 | |
| | | | PBT | 26062-94-2 | 0.351 | |
| | | | fiberglass | 65997-17-3 | 0.162 | |
| | | | antimony oxide | 1309-64-4 | 0.027 | |
| | Cu plating | 0.007% | Cu | 7440-50-8 | 0.174 | |
| | | | Zn | 7440-66-6 | 0.074 | |
| | | | Fe | 7439-89-6 | 9.92E-05 | |
| Ni plating | 0.017% | Pb | 7439-92-1 | 1.24E-04 | | |
| | | Au | 7440-57-5 | 0.006 | | |
| Slider block | PBT plastic blend | 0.96% | Cu | 7440-50-8 | 0.001 | |
| | | | Ni | 7440-02-0 | 0.003 | |
| | | | Au | 7440-57-5 | 0.006 | |
| | | | PBT | 26062-94-2 | 0.151 | |
| | | | fiberglass | 65997-17-3 | 0.040 | |
| Contact spring | BeCu alloy | 0.27% | Sb | 7440-36-0 | 0.002 | |
| | | | antimony oxide | 1309-64-4 | 0.006 | |
| | | | Cu | 7440-50-8 | 0.056 | |
| | | | Be | 7440-41-7 | 0.001 | |
| | Cu plating | 0.0015% | Ni | 7440-02-0 | 5.67E-05 | |
| | | | Co | 7440-48-4 | 5.67E-05 | |
| | | | Cu | 7440-50-8 | 3.07E-04 | |
| | | | Ni | 7440-02-0 | 7.36E-04 | |
| Contact | Pd alloy | 0.06% | Au | 7440-57-5 | 0.001 | |
| | | | Pd | 7440-05-3 | 0.006 | |
| | | | Ag | 7440-22-4 | 0.005 | |
| | | | Pt | 7440-06-4 | 1.33E-04 | |
| Rotor | PA66 blend | 3.5% | Cu | 7440-50-8 | 0.002 | |
| | | | Ni | 7440-02-0 | 1.33E-04 | |
| Shaft | stainless steel | 34.7% | nylon 6,6 | 32131-17-2 | 0.511 | |
| | | | fiberglass | 65997-17-3 | 0.219 | |
| | | | Fe | 7439-89-6 | 5.000 | |
| | | | C | 7440-44-0 | 0.007 | |
| | | | Cr (0) | 7440-47-3 | 1.371 | |
| Mn | 7439-96-5 | 0.007 | | | | |

| | | | | | | | | |
|-----------------|-----------------|---------|------------------|-----------|---------------------|---------------------------------------|----------|------------------------|
| | | | Mo | 7439-98-7 | 0.036 | | | |
| | | | P | 7723-14-0 | 0.007 | | | |
| | | | S | 7704-34-9 | 0.029 | | | |
| | | | Ni | 7440-02-0 | 0.721 | | | |
| | | | Si | 7440-21-3 | 0.036 | | | |
| | lubricant | 0.001% | trade secret | n/a | 2.00E-04 | non-hazardous | | |
| Terminals | brass | 0.36% | Cu | 7440-50-8 | 0.052 | | | |
| | | | Zn | 7440-66-6 | 0.022 | | | |
| | | | Fe | 7439-89-6 | 2.95E-05 | | | |
| | | | Pb | 7439-92-1 | 3.69E-05 | Pb in copper alloy (E.U. RoHS exempt) | | |
| | | | | | | | | |
| | Cu plating | 0.0046% | Cu | 7440-50-8 | 9.47E-04 | | | |
| | Au plating | 0.003% | Au | 7440-57-5 | 6.13E-04 | | | |
| Internal ribbon | Ni alloy | 0.0034% | Cu | 7440-50-8 | 7.00E-07 | | | |
| | | | C | 7440-44-0 | 4.90E-07 | | | |
| | | | Fe | 7439-89-6 | 3.50E-07 | | | |
| | | | Mn | 7439-96-5 | 1.33E-06 | | | |
| | | | Ni | 7440-02-0 | 0.001 | | | |
| | | | S | 7704-34-9 | 7.00E-08 | | | |
| | | | Si | 7440-21-3 | 1.05E-06 | | | |
| Washer(s) | stainless steel | 0.05% | Fe | 7439-89-6 | 0.008 | | | |
| | | | C | 7440-44-0 | 1.04E-05 | | | |
| | | | Cr (0) | 7440-47-3 | 0.002 | | | |
| | | | Mn | 7439-96-5 | 1.04E-04 | | | |
| | | | Ni | 7440-02-0 | 8.34E-04 | | | |
| | | | Si | 7440-21-3 | 5.21E-05 | | | |
| Lockwasher | spring steel | 1.55% | C | 7440-44-0 | 0.002 | | | |
| | | | Fe | 7439-89-6 | 0.317 | | | |
| | | | Mn | 7439-96-5 | 0.002 | | | |
| | | | P | 7723-14-0 | 9.63E-05 | | | |
| | | | S | 7704-34-9 | 9.63E-05 | | | |
| | | | Ni | 7440-02-0 | 0.004 | can be external nickel | | |
| Nut | brass | 5.8% | Cu | 7440-50-8 | 0.744 | | | |
| | | | Zn | 7440-66-6 | 0.427 | | | |
| | | | Pb | 7439-92-1 | 0.039 | Pb in copper alloy (E.U. RoHS exempt) | | |
| | | | | | | | | |
| | | | Zn or Ni plating | 0.028% | Zn or Ni | 7440-66-6 or 7440-02-0 | 0.006 | can be external nickel |
| Resistance coil | NiCr alloy | 0.7% | Ni | 7440-02-0 | 0.109 | | | |
| | | | Cr (0) | 7440-47-3 | 0.026 | | | |
| | | | Al | 7429-90-5 | 0.004 | | | |
| | | | Si | 7440-21-3 | 0.001 | | | |
| | | | Mn | 7439-96-5 | 0.003 | | | |
| | | | Cu | 7440-50-8 | 0.002 | | | |
| | | | | | | | | |
| | | | Cu core | 10.4% | Cu | 7440-50-8 | 2.163 | |
| | | | insulation | 0.55% | polyimide, aromatic | 25038-81-7 | 0.114 | |
| | | | lubricant | 0.0017% | trade secret | n/a | 3.50E-04 | non-hazardous |