

SSN16x summary material content, BI Technologies Corporation

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Highlighted line item is banned per E.U. RoHS. Prepared by Eric Arnold (714) 447-2565 or ericarnold@bitechnologies.com
 Average mass of SSN16x Thin Film network is 0.15 grams each. Scientific notation is used for component masses.
 Masses below 1E-5 grams are given as "trace"

| Material name | also known as | CAS # | Mass per device (grams) | Special classification |
|-----------------------------|---|--|-------------------------|--|
| Ag | silver | 7440-22-4 | 2.55E-03 | |
| Au | gold | 7440-57-5 | 1.48E-04 | |
| BCB | dvs-BCB, divinylsiloxane-bis-benzocyclobutene | 124221-30-3 | 1.38E-05 | |
| carbon black | lamp black, acetylene black | 1333-86-4 | 4.16E-04 | |
| Cu | copper | 7440-50-8 | 5.56E-02 | |
| epoxy curing agent | | trade secret | 2.73E-05 | |
| epoxy resin | | trade secret | 2.46E-04 | |
| epoxy resin, cresol novolac | | 29690-82-2 | 1.66E-03 | |
| Fe | iron | 7439-89-6 | 1.34E-03 | |
| NiCrOx | nichrome | combination of 7440-02-0, 7440-47-3, & 1308-38-9 | trace | |
| P | phosphorous, red or amorphous | 7723-14-0 | 1.71E-05 | |
| Pb | lead | 7439-92-1 | 5.40E-04 | E.U. RoHS banned material, SnPb plating on leads |
| Si | silicon | 7440-21-3 | 5.11E-03 | |
| SiO2, amorphous | silicon dioxide, silica | 7631-86-9 | trace | |
| SiO2, fused silica | silica glass | 60676-86-0 | 7.28E-02 | |
| Sn | tin | 7440-31-5 | 2.16E-03 | |
| WTi 10% | tungsten titanium 10% | combination of 7440-32-6 & 7440-33-7 | trace | |
| trade secret | | n/a | 8.39E-03 | Non-hazardous and not regulated |
| Zn | zinc | 7440-66-6 | 6.84E-05 | |
| | | Sum of all components | 0.15 | |