

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

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TOTAL MASS (g) : 0.500529

| COMPONENT MATERIAL  | VENDOR/ INDUSTRY NAMES           | CONSTITUENT NAME          | CAS NUMBER | CONSTITUENT MASS (g) | CONSTITUENT (PPM) OF MATERIAL | CONSTITUENT (PPM) OF TOTAL PKG. |
|---------------------|----------------------------------|---------------------------|------------|----------------------|-------------------------------|---------------------------------|
| Active Device       | Linear Technology                | Silicon (Si)              | 7440-21-3  | 0.003683             | 1000000                       | 7358.2109375                    |
| Die Coat            | Dow Corning                      | Silicone                  | 69430-27-9 | 0.000882             | 1000000                       | 1762.13476562                   |
| Lead Frame          | Cu                               | Copper (Cu)               | 7440-50-8  | 0.149760             | 975000                        | 299203.25                       |
|                     |                                  | Iron (Fe)                 | 7439-89-6  | 0.003686             | 24000                         | 7364.20410156                   |
|                     |                                  | Phosphorus (P)            | 7723-14-0  | 0.000046             | 300                           | 91.9027175903                   |
|                     |                                  | Zinc (Zn)                 | 7440-66-6  | 0.000108             | 700                           | 215.771591187                   |
|                     |                                  | Nickel (Ni)               | 7440-02-0  | 0.000000             | 0                             | 0                               |
|                     |                                  | Silicon (Si)              | 7440-21-3  | 0.000000             | 0                             | 0                               |
|                     |                                  | Magnesium (Mg)            | 7439-95-4  | 0.000000             | 0                             | 0                               |
|                     |                                  | Tin (Sn)                  | 7440-31-5  | 0.000000             | 0                             | 0                               |
|                     |                                  | Lead Frame Total:         |            | 0.153600             | 1000000                       | 306875.15625                    |
| Plating             | PMI                              | Exter. Plating Pb         | 7439-92-1  | 0.000000             | 0                             | 0                               |
|                     |                                  | Exter. Plating Sn         | 7440-31-5  | 0.012410             | 1000000                       | 24794.3339844                   |
|                     |                                  | External Plating Total:   |            | 0.012410             | 1000000                       | 24794.3339844                   |
|                     |                                  | Inter. Plating Ni         | 7440-02-0  | 0.000000             | 0                             | 0                               |
|                     |                                  | Inter. Plating Ag         | 7440-22-4  | 0.001228             | 1000000                       | 2453.40283203                   |
|                     |                                  | Internal Plating Total:   |            | 0.001228             | 1000000                       | 2453.40283203                   |
| Die Attach          | ELECTRICALLY CONDUCTIVE ADHESIVE | Silver (Ag)               | 7440-22-4  | 0.001042             | 750000                        | 2081.79638672                   |
|                     |                                  | Tin (Sn)                  | 7440-31-5  | 0.000000             | 0                             | 0                               |
|                     |                                  | Lead (Pb)                 | 7439-92-1  | 0.000000             | 0                             | 0                               |
|                     |                                  | Silica (SiO2)             | 60676-86-0 | 0.000000             | 0                             | 0                               |
|                     |                                  | Indium (In)               | 7440-74-6  | 0.000000             | 0                             | 0                               |
|                     |                                  | Metal Oxide               |            | 0.000000             | 0                             | 0                               |
|                     |                                  | Antimony (Sb)             | 7440-36-0  | 0.000000             | 0                             | 0                               |
|                     |                                  | Resin (EP)                |            | 0.000347             | 250000                        | 693.266113281                   |
|                     |                                  | Die Attach Total:         |            | 0.001389             | 1000000                       | 2775.06225586                   |
| Encapsulation       | FILLED EPOXY RESIN               | Resin (EP)                |            | 0.078520             | 240000                        | 156873.9375                     |
|                     |                                  | Bromine (Br)              | 40039-93-8 | 0.003272             | 10000                         | 6537.07958984                   |
|                     |                                  | Silica (SiO2)             | 60676-86-0 | 0.235561             | 720000                        | 470623.78125                    |
|                     |                                  | Antimony Trioxide (Sb2O3) | 1309-64-4  | 0.009815             | 30000                         | 19609.2421875                   |
|                     |                                  | Metal Hydroxide           |            | 0.000000             | 0                             | 0                               |
|                     |                                  | Carbon Black (C)          | 1333-86-4  | 0.000000             | 0                             | 0                               |
|                     |                                  | Encapsulation Total:      |            | 0.327168             | 1000000                       | 653644                          |
| Bond Wire Estimated | AFW/TANAKA/ Kn                   | Gold (Au)                 | 7440-57-5  | 0.000169             | 1000000                       | 337.642578125                   |
|                     |                                  |                           |            |                      | TOTAL MASS (g) :              | 0.500529                        |