

**Product / Package Information**

|                 |        |
|-----------------|--------|
| Package         | LFCSP  |
| Body Size (mm)  | 3 X 3  |
| Lead Count      | 16     |
| Terminal Finish | NiPdAu |
| MS Number       |        |

**Environmental Information**

|                            |     |
|----------------------------|-----|
| RoHS Compliant             | Yes |
| High Temperature Compliant | Yes |
| Halogen Free Compliant     | Yes |
| REACH SVHC Compliant       | Yes |

**Materials Declaration****Molding Compound**

| Description               | Substance       | CAS#        | Weight (g) | Homogeneous Material Level |         | Component Level |        |
|---------------------------|-----------------|-------------|------------|----------------------------|---------|-----------------|--------|
|                           |                 |             |            | Percentage (%)             | PPM     | Percentage (%)  | PPM    |
| Other inorganic materials | Silica          | 60676-86-0  | 9.90E-03   | 86.20                      | 862000  | 48.76           | 487600 |
| Thermosets                | Epoxy resin     | Proprietary | 6.89E-04   | 6.00                       | 60000   | 3.39            | 33940  |
| Thermosets                | Phenol Resin    | Proprietary | 6.89E-04   | 6.00                       | 60000   | 3.39            | 33940  |
| Other inorganic materials | Metal Hydroxide | Proprietary | 1.72E-04   | 1.50                       | 15000   | 0.85            | 8485   |
| Other inorganic materials | Carbon Black    | 1333-86-4   | 3.44E-05   | 0.30                       | 3000    | 0.17            | 1697   |
| Subtotal                  |                 |             | 1.15E-02   | 100.00                     | 1000000 | 56.57           | 565661 |

**Leadframe**

| Description         | Substance  | CAS#      | Weight (g) | Homogeneous Material Level |         | Component Level |        |
|---------------------|------------|-----------|------------|----------------------------|---------|-----------------|--------|
|                     |            |           |            | Percentage (%)             | PPM     | Percentage (%)  | PPM    |
| Copper & its alloys | Copper     | 7440-50-8 | 7.90 E-03  | 97.50                      | 975000  | 38.89           | 388942 |
| Copper & its alloys | Iron       | 7439-89-6 | 1.90 E-04  | 2.35                       | 23500   | 0.94            | 9375   |
| Copper & its alloys | Zinc       | 7440-66-6 | 9.72 E-06  | 0.12                       | 1200    | 0.05            | 479    |
| Copper & its alloys | Phosphorus | 7723-14-0 | 2.43 E-06  | 0.03                       | 300     | 0.01            | 120    |
| Subtotal            |            |           | 8.10 E-03  | 100.00                     | 1000000 | 39.89           | 398915 |

**Internal / External Leadframe Plating**

| Description         | Substance | CAS#      | Weight (g) | Homogeneous Material Level |         | Component Level |      |
|---------------------|-----------|-----------|------------|----------------------------|---------|-----------------|------|
|                     |           |           |            | Percentage (%)             | PPM     | Percentage (%)  | PPM  |
| Nickel & its alloys | Nickel    | 7440-02-0 | 1.95 E-04  | 97.3                       | 973000  | 0.96            | 9626 |
| Precious metals     | Palladium | 7440-05-3 | 4.42 E-06  | 2.2                        | 22000   | 0.02            | 218  |
| Precious metals     | Gold      | 7440-57-5 | 1.00 E-06  | 0.5                        | 5000    | 0.005           | 49   |
| Subtotal            |           |           | 2.01 E-04  | 100.00                     | 1000000 | 0.99            | 9893 |

**Bond Wires**

| Description     | Substance | CAS#      | Weight (g) | Homogeneous Material Level |         | Component Level |      |
|-----------------|-----------|-----------|------------|----------------------------|---------|-----------------|------|
|                 |           |           |            | Percentage (%)             | PPM     | Percentage (%)  | PPM  |
| Precious metals | Gold      | 7440-57-5 | 4.32 E-05  | 100.0                      | 1000000 | 0.21            | 2128 |

**Chip**

| Description               | Substance     | CAS#      | Weight (g) | Homogeneous Material Level |         | Component Level |       |
|---------------------------|---------------|-----------|------------|----------------------------|---------|-----------------|-------|
|                           |               |           |            | Percentage (%)             | PPM     | Percentage (%)  | PPM   |
| Other inorganic materials | Doped Silicon | 7440-21-3 | 3.56 E-04  | 100.0                      | 1000000 | 1.76            | 17552 |

**Die Attach**

| Description             | Substance                  | CAS#        | Weight (g) | Homogeneous Material Level |         | Component Level |      |
|-------------------------|----------------------------|-------------|------------|----------------------------|---------|-----------------|------|
|                         |                            |             |            | Percentage (%)             | PPM     | Percentage (%)  | PPM  |
| Precious metals         | Silver                     | 7440-22-4   | 9.56 E-05  | 80.50                      | 805000  | 0.47            | 4710 |
| Other organic materials | Carbocyclic Acrylates      | Proprietary | 1.19 E-05  | 10.00                      | 100000  | 0.06            | 585  |
| Other organic materials | Bismaleimide resin         | Proprietary | 3.56 E-06  | 3.00                       | 30000   | 0.02            | 176  |
| Other organic materials | 2-preponoic acid, 2-methyl | 68586-19-6  | 3.56 E-06  | 3.00                       | 30000   | 0.02            | 176  |
| Others                  | Additive                   | Proprietary | 3.56 E-06  | 3.00                       | 30000   | 0.02            | 176  |
| Other organic materials | Dicumyl peroxide           | 80-43-3     | 5.94 E-07  | 0.50                       | 5000    | 0.00            | 29   |
| Subtotal                |                            |             | 1.19 E-04  | 100.0                      | 1000000 | 0.59            | 5851 |

|                |  |  | Weight (g) | Percentage (%) | PPM     |
|----------------|--|--|------------|----------------|---------|
| Package Totals |  |  | 2.03 E-02  | 100.00         | 1000000 |

Note: The information provided in this declaration are true to the best of ADI's knowledge.  
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