

Materials Declaration

| | |
|-------------------|--------|
| Package | CerDIP |
| Body Size | |
| Lead Count | 28 |
| Option | SnPb |

| Base | | | |
|----------------------|-----------|------------|--------|
| Item | % of Base | Weight (g) | PPM |
| Ceramics | | | |
| Al2O3 | 67.5 | 2.70 E+00 | 392195 |
| MnO2 | 2.5 | 1.04 E-01 | 13570 |
| SiO2 | 2.2 | 8.80 E-02 | 11268 |
| TiO2 | 1.3 | 5.60 E-02 | 7307 |
| Cr2O3 | 1.1 | 4.40 E-02 | 5741 |
| Fe2O3 | 0.9 | 3.60 E-02 | 4609 |
| MgO | 0.4 | 1.60 E-02 | 2048 |
| Co3O4 | 0.2 | 8.00 E-03 | 1024 |
| CaO | 0.03 | 1.20 E-03 | 153 |
| Sealing Glass | | | |
| PbO | 14.5 | 5.80 E-01 | 74268 |
| SnO2 | 3.8 | 1.52 E-01 | 1946 |
| SiO2 | 1.7 | 6.80 E-02 | 8707 |
| B2O3 | 1.4 | 5.60 E-02 | 7170 |
| Al2O3 | 1.0 | 4.00 E-02 | 5121 |
| TiO2 | 0.8 | 3.20 E-02 | 4087 |
| Cr2O3 | 0.0 | 1.20 E-03 | 153 |
| MgO | 0.5 | 2.00 E-02 | 2560 |
| ZnO | 0.2 | 8.00 E-03 | 1024 |
| CaO | 0.1 | 2.00 E-03 | 2560 |
| Fe2O3 | 0.03 | 1.20 E-03 | 153 |
| MnO2 | 0.01 | 4.00 E-04 | 51 |
| Na2O | 0.002 | 8.00 E-05 | 10 |

| Caps | | | |
|----------------------|-----------|------------|--------|
| Item | % of Caps | Weight (g) | PPM |
| Ceramics | | | |
| Al2O3 | 62.60 | 1.87 E+00 | 236658 |
| MnO2 | 2.40 | 7.20 E-02 | 907 |
| SiO2 | 2.00 | 6.00 E-02 | 7560 |
| TiO2 | 1.30 | 3.90 E-02 | 4914 |
| Cr2O3 | 1.00 | 3.00 E-02 | 3780 |
| Fe2O3 | 0.80 | 2.40 E-02 | 3024 |
| MgO | 0.40 | 1.20 E-02 | 1512 |
| Co3O4 | 0.20 | 6.00 E-03 | 756 |
| CaO | 0.03 | 9.00 E-05 | 11 |
| Sealing glass | | | |
| PbO | 17.90 | 5.37 E-01 | 67670 |
| SnO2 | 4.80 | 1.38 E-01 | 17390 |
| SiO2 | 2.20 | 6.60 E-02 | 8317 |
| B2O3 | 1.70 | 5.10 E-02 | 642 |
| Al2O3 | 1.20 | 3.60 E-02 | 4536 |
| MgO | 0.70 | 2.10 E-02 | 2646 |
| CaO | 0.70 | 2.10 E-02 | 2646 |
| ZnO | 0.20 | 6.00 E-03 | 756 |
| Cr2O3 | 0.03 | 1.20 E-03 | 151 |
| Fe2O3 | 0.03 | 1.20 E-03 | 151 |
| MnO2 | 0.01 | 3.00 E-04 | 37 |

| Leadframe | | | |
|-------------------|----------------|------------|-------|
| Item | % of Leadframe | Weight (g) | PPM |
| Base Metal | | | |
| Fe | 58.45 | 4.09 E-01 | 55878 |
| Nickel | 40.84 | 2.85 E-01 | 39307 |
| Mn | 0.52 | 3.64 E-03 | 481 |
| Si | 0.13 | 9.10 E-04 | 125 |
| Co | 0.03 | 2.10 E-04 | 28 |
| Cr | 0.01 | 7.00 E-05 | 10 |
| Al | 0.01 | 7.00 E-05 | 10 |
| S | 0.006 | 4.20 E-05 | 6 |
| C | 0.003 | 2.10 E-05 | 3 |
| P | 0.002 | 1.40 E-05 | 2 |

| Paste | | | |
|-------------------|------------|------------|-----|
| Item | % of Paste | Weight (g) | PPM |
| Silver | 80 | 1.52 E-02 | 370 |
| Lead Borate Glass | 20 | 3.80 E-03 | 92 |

| Chip | | | |
|------|-----------|------------|--------|
| Item | % of Wire | Weight (g) | PPM |
| Si | 100 | 7.00 E-03 | 100000 |

| Bonding Wires | | | |
|---------------|-----------|------------|--------|
| Item | % of Wire | Weight (g) | PPM |
| Aluminum | 100 | 1.90 E-02 | 100000 |

| Solder | | | |
|--------|-------------|------------|--------|
| Item | % of Solder | Weight (g) | PPM |
| Tin | 63 | 1.20 E-01 | 630000 |
| Lead | 37 | 7.00 E-02 | 370000 |

| Package Totals | |
|----------------|---------|
| Weight (g) | PPM |
| 7.94 E+00 | 1000000 |

Note: The information provided in this declaration are true to the best of ADI's knowledge. ADI derived most of the information listed in this declaration from documents provided by third parties, and assumes no liability to any inaccuracy of such information.