

**Materials Declaration**

<b>Package</b>	CerDIP
<b>Body Size</b>	600 mils
<b>Lead Count</b>	40
<b>Option</b>	SnPb

Base			
Substance	% of Base	Weight (g)	PPM
<b>Ceramics</b>			
Aluminum Oxide	67.500	4.60E+00	363942
Manganese Dioxide	2.470	1.68E-01	13318
Silicon Dioxide	2.200	1.50E-01	11862
Titanium Dioxide	1.390	9.46E-02	7495
Chromium Oxide	1.100	7.50E-02	5931
Iron Oxide	0.890	6.07E-02	4799
Magnesium Oxide	0.360	2.46E-02	1941
Cobalt Oxide	0.200	1.36E-02	1078
Calcium Oxide	0.030	2.05E-03	162
Subtotal	76.140	5.19E+00	410526
<b>Sealing Glass</b>			
Lead Oxide	14.480	9.89E-01	78072
Tin Oxide	3.780	2.58E-01	20381
Silicon Dioxide	1.680	1.15E-01	9058
Boron Trioxide	1.374	9.37E-02	7408
Aluminum Oxide	1.000	6.82E-02	5392
Titanium Dioxide	0.748	5.10E-02	4033
Magnesium Oxide	0.490	3.34E-02	2642
Zinc Oxide	0.200	1.36E-02	1078
Calcium Oxide	0.040	2.73E-03	216
Chromium Oxide	0.028	1.91E-03	151
Iron Oxide	0.028	1.91E-03	151
Manganese Dioxide	0.010	6.82E-04	54
Sodium Oxide	0.002	1.36E-04	11
Subtotal	23.860	1.63 E+00	128647
<b>Total</b>	<b>100.00</b>	<b>6.82 E+00</b>	<b>539173</b>

Caps			
Substance	% of Caps	Weight (g)	PPM
<b>Ceramics</b>			
Aluminum Oxide	62.60	2.87E+00	227159
Manganese Dioxide	2.40	1.10E-01	8709
Silicon Dioxide	2.00	9.18E-02	7257
Titanium Dioxide	1.30	5.97E-02	4717
Chromium Oxide	1.00	4.59E-02	3629
Iron Oxide	0.79	3.63E-02	2867
Magnesium Oxide	0.40	1.84E-02	1451
Cobalt Oxide	0.20	9.18E-03	726
Calcium Oxide	0.03	1.38E-03	109
Subtotal	70.72	3.25E+00	256625
<b>Sealing glass</b>			
Lead Oxide	17.85	8.19E-01	64773
Tin Oxide	4.57	2.10E-01	16583
Silicon Dioxide	2.20	1.01E-01	7983
Boron Trioxide	1.70	7.80E-02	6169
Aluminum Oxide	1.20	5.51E-02	4354
Magnesium Oxide	0.70	3.21E-02	2540
Titanium Dioxide	0.70	3.21E-02	2540
Zinc Oxide	0.20	9.18E-03	726
Calcium Oxide	0.07	3.21E-03	254
Chromium Oxide	0.04	1.84E-03	145
Iron Oxide	0.04	1.84E-03	145
Manganese Dioxide	0.01	4.59E-04	36
Sodium Oxide	0.003	1.38E-04	11
Subtotal	29.28	1.34E+00	106250
<b>Total</b>	<b>100.00</b>	<b>4.59 E+00</b>	<b>362875</b>

Leadframe			
Substance	% of Leadframe	Weight (g)	PPM
Iron	58.450	6.72E-01	53141
Nickel	40.840	4.70E-01	37130
Manganese	0.520	5.99E-03	473
Silicon	0.130	1.50E-03	118
Cobalt	0.030	3.45E-04	27
Chromium	0.010	1.15E-04	9
Aluminum	0.010	1.15E-04	9
Sulfur	0.005	5.75E-05	5
Carbon	0.003	3.45E-05	3
Phosphorus	0.002	2.30E-05	2
Subtotal	100.00	1.15 E+00	90916

Paste			
Substance	% of Paste	Weight (g)	PPM
Silver	80	2.40E-03	190
Lead Borate glass	20	6.00E-04	47
Subtotal	100	3.00 E-03	237

Chip			
Substance	% of Wire	Weight (g)	PPM
Doped Silicon	100	6.30E-02	4981

Bonding Wires			
Substance	% of Wire	Weight (g)	PPM
Aluminum	100	3.00E-03	237

External Leadframe Plating			
Substance	% of Plating	Weight (g)	PPM
Tin	83	1.26E-02	998
Lead	37	7.40E-03	585
Subtotal	100	2.00 E-02	1581

Package Totals	
Weight (g)	PPM
<b>1.26 E+01</b>	<b>1000000</b>

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.

