



Materials Declaration

Package	CerDIP
Body Size	
Lead Count	24
Option	SnPb

Base			
Item	% of Base	Weight (g)	PPM
Ceramics			
Al2O3	67.5	1.28 E+00	327782
MnO2	2.5	1.09 E-01	27964
SiO2	2.2	4.18 E-02	10704
TiO2	1.3	2.66 E-02	6812
Cr2O3	1.1	2.09 E-02	5352
Fe2O3	0.9	1.70 E-02	4353
MgO	0.4	7.60 E-03	1946
Co3O4	0.2	3.80 E-03	973
CaO	0.03	5.70 E-04	146
Sealing Glass			
PbO	14.5	2.76 E-01	70550
SnO2	3.8	7.22 E-02	18489
SiO2	1.7	3.23 E-02	8271
B2O3	1.4	2.66 E-02	6812
Al2O3	1.0	1.90 E-02	4866
TiO2	0.8	1.52 E-02	3892
MgO	0.5	9.50 E-03	2433
ZnO	0.2	3.80 E-03	973
CaO	0.1	9.50 E-04	243
Cr2O3	0.03	5.70 E-04	146
Fe2O3	0.03	5.70 E-04	146
MnO2	0.01	4.90 E-05	12.5
Na2O	0.002	3.80 E-05	9.7

Caps			
Item	% of Caps	Weight (g)	PPM
Ceramics			
Al2O3	62.6	8.76 E-01	224428
MnO2	2.4	3.36 E-02	8604
SiO2	2.0	2.80 E-02	7170
TiO2	1.3	1.82 E-02	4661
Cr2O3	1.0	1.40 E-02	3585
Fe2O3	0.8	1.12 E-02	2868
MgO	0.4	5.60 E-03	1434
Co3O4	0.2	2.80 E-03	717
CaO	0.03	4.20 E-04	108
Sealing glass			
PbO	17.9	2.51 E-01	64174
SnO2	4.6	6.44 E-02	16492
SiO2	2.2	3.08 E-02	7887
B2O3	1.7	2.38 E-02	6095
Al2O3	1.2	1.68 E-02	4302
MgO	0.7	9.80 E-03	2510
CaO	0.7	9.80 E-03	2510
ZnO	0.2	2.80 E-03	717
Cr2O3	0.04	5.60 E-04	143
Fe2O3	0.04	5.60 E-04	143
MnO2	0.01	1.40 E-04	36

Leadframe			
Item	% of Leadframe	Weight (g)	PPM
Fe	58.45	2.34 E-01	59909
Nickel	40.84	1.63 E-01	41792
Co	0.03	1.20 E-04	31
Si	0.13	5.20 E-04	133
Mn	0.52	2.08 E-03	533
S	0.01	2.40 E-05	6.1
Cr	0.01	4.00 E-05	10.2
Al	0.01	5.00 E-05	12.8
C	0.003	1.20 E-05	3.1
P	0.002	8.00 E-06	2.0
100.00			

Paste			
Item	% of Paste	Weight (g)	PPM
Silver	80	3.20 E-03	819
Lead Borate Glass	20	8.00 E-04	205

Chip			
Item	% of Wire	Weight (g)	PPM
Si	100	7.00 E-03	1793

Bonding Wires			
Item	% of Wire	Weight (g)	PPM
Aluminum	100	1.00 E-01	25608

External Leadframe Plating			
Item	% of Plating	Weight (g)	PPM
Sn	63	1.89 E-02	4840
Pb	37	1.11 E-02	2845

Package Totals	
Weight (g)	PPM
3.91 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.



ADI Proprietary

