



Materials Declaration

Package	LCC
Body Size	
Lead Count	44
Option	Pb free- (Au)

Combolid			
Item	% of Combolid	Weight (g)	PPM
Kovar	92	3.98E-01	208446
Nickel	4	1.73E-02	9063
Gold	4	1.73E-02	9063
Subtotal		4.33E-01	226572

Lid Frame			
Item	% of Lid Frame	Weight (g)	PPM
Gold	79.58	1.59E-02	8328
Sn	20.42	8.84E-02	46266
Subtotal		1.04E-01	54594

Ceramic Package			
Item	% of Ceramic	Weight (g)	PPM
Ceramics			
Al2O3	90.5	1.10E+00	577779
SiO2	3.5	4.27E-02	22345
CaO	0.6	7.32E-03	3831
MgO	0.5	6.10E-03	3192
TiO2	1	1.22E-02	6384
Cr2O3	3.9	4.76E-02	24899
Subtotal		1.22E+00	638430
Pattern			
Tungsten	100	6.03E-02	31553
Nickel Plating			
Nickel	92	6.55E-03	3429
Cobalt	8	1.16E-03	605
Subtotal		7.71E-03	4034
Au Coating			
Gold	99.9975	8.65E-03	4526
Thallium	0.0025	2.16E-07	0
Subtotal		8.65E-03	4526
Total		1.30E+00	678543

Bond Wires			
Item	% of Wire	Weight (g)	PPM
Aluminum	100	1.00E-03	523

Chip			
Item	% of Chip	Weight (g)	PPM
Si	100	6.40E-02	33489

Die Attach Paste			
Item	% of Die Attach Paste	Weight (g)	PPM
Silver Filler	80	9.60E-03	5023
Cyanate ester resin	20	2.40E-03	1256
Subtotal		1.20 E-02	6279

Package Totals	
Weight (g)	PPM
1.91 E+00	1000000

Note: The information provided in this declaration are true to the best of ADI's knowledge.
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Package	LCC
Body Size	
Lead Count	44
Option	SnPb

Combolid

Item	% of Combolid	Weight (g)	PPM
Kovar	92	3.98E-01	196131
Nickel	4	1.73E-02	8527
Gold	4	1.73E-02	8527
Subtotal		4.33E-01	213186

Lid Frame

Item	% of Lid Frame	Weight (g)	PPM
Gold	79.58	1.59E-02	7836
Sn	20.42	8.84E-02	43532
Subtotal		1.04E-01	51369

Ceramic Package

Item	% of Ceramic	Weight (g)	PPM
Ceramics			
Al ₂ O ₃	90.5	1.10E+00	543643
SiO ₂	3.5	4.27E-02	21029
CaO	0.6	7.32E-03	3604
MgO	0.5	6.10E-03	3004
TiO ₂	1	1.22E-02	6007
Cr ₂ O ₃	3.9	4.76E-02	23428
Subtotal		1.22E+00	600711
Pattern			
Tungsten	100	6.03E-02	29688
Nickel Plating			
Nickel	92	6.55E-03	3227
Cobalt	8	1.16E-03	569
Subtotal		7.71E-03	3796
Au Coating			
Gold	99.9975	8.65E-03	4259
Thallium	0.0025	2.16E-07	0
Subtotal		8.65E-03	4259
Total		1.30E+00	638454

Bond Wires

Item	% of Wire	Weight (g)	PPM
Aluminum	100	1.00E-03	492

Chip

Item	% of Chip	Weight (g)	PPM
Si	100	6.40E-02	31510

Die Attach Paste

Item	% of Die Attach Paste	Weight (g)	PPM
Silver Filler	80	9.60E-03	4727
Cyanate ester resin	20	2.40E-03	1182
Subtotal		1.20E-02	5908

External Leadframe Plating

Item	% of Plating	Weight (g)	PPM
Tin	63	7.56E-02	37221
Lead	37	4.44E-02	21860
Subtotal		1.20E-01	59081

Package Totals

Weight (g)	PPM
2.03E+00	1000000

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