



Materials Declaration

Package	LCC
Body Size	
Lead Count	28
Option	Pb free- (Au)

Combold			
Item	% of Combold	Weight (g)	PPM
Kovar	92	3.96E-01	347602
Nickel	4	1.72E-02	15113
Gold	4	1.72E-02	15113
Subtotal		4.30E-01	377829

Lid Frame			
Item	% of Lid Frame	Weight (g)	PPM
Gold	79.58	1.59E-02	13985
Sn	20.42	8.78E-02	77153
Subtotal		1.04E-01	91138

Ceramic Package			
Item	% of Ceramic	Weight (g)	PPM
Ceramics			
Al2O3	90.5	4.73E-01	415173
SiO2	3.5	1.83E-02	16056
CaO	0.6	3.13E-03	2753
MgO	0.5	2.61E-03	2294
TiO2	1	5.22E-03	4588
Cr2O3	3.9	2.04E-02	17891
Subtotal		5.22E-01	458754

Pattern			
Item	% of Pattern	Weight (g)	PPM
Tungsten	100	2.93E-02	25745

Nickel Plating			
Item	% of Nickel Plating	Weight (g)	PPM
Nickel	92	3.93E-03	3451
Cobalt	8	6.93E-04	609
Subtotal		4.62E-03	4059

Au Coating			
Item	% of Au Coating	Weight (g)	PPM
Gold	99.9975	8.34E-03	7328
Thallium	0.0025	2.09E-07	0
Subtotal		8.34E-03	7328

Total		5.64E-01	495887
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Bond Wires			
Item	% of Wire	Weight (g)	PPM
Aluminum	100	1.00E-03	879

Chip			
Item	% of Chip	Weight (g)	PPM
Si	100	1.90E-02	16695

Die Attach Paste			
Item	% of Die Attach Paste	Weight (g)	PPM
Silver Filler	80	1.60E-02	14059
Cyanate ester resin	20	4.00E-03	3515
Subtotal		2.00 E-02	17573

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

Note: The information provided in this declaration are true to the best of ADI's knowledge.
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Body Size	
Lead Count	28
Option	SnPb

Combolid			
Item	% of Combolid	Weight (g)	PPM
Kovar	92	3.96E-01	322774
Nickel	4	1.72E-02	14034
Gold	4	1.72E-02	14034
Subtotal		4.30E-01	350842

Lid Frame			
Item	% of Lid Frame	Weight (g)	PPM
Gold	79.58	1.59E-02	12986
Sn	20.42	8.78E-02	71642
Subtotal		1.04E-01	84628

Ceramic Package			
Item	% of Ceramic	Weight (g)	PPM
Ceramics			
Al ₂ O ₃	90.5	4.73E-01	385518
SiO ₂	3.5	1.83E-02	14910
CaO	0.6	3.13E-03	2556
MgO	0.5	2.61E-03	2130
TiO ₂	1	5.22E-03	4260
Cr ₂ O ₃	3.9	2.04E-02	16614
Subtotal		5.22E-01	425987
Pattern			
Tungsten	100	2.68E-02	21900
Nickel Plating			
Nickel	92	4.25E-03	3468
Cobalt	8	3.70E-04	302
Subtotal		4.62E-03	3770
Au Coating			
Gold	99.9975	8.34E-03	6805
Thallium	0.0025	2.09E-07	0
Subtotal		8.34E-03	6805
Total		5.62E-01	458462

Bond Wires			
Item	% of Wire	Weight (g)	PPM
Aluminum	100	1.00E-03	816

Chip			
Item	% of Chip	Weight (g)	PPM
Si	100	1.90E-02	15502

Die Attach Paste			
Item	% of Die Attach Paste	Weight (g)	PPM
Silver Filler	80	1.60E-02	13055
Cyanate ester resin	20	4.00E-03	3264
Subtotal		2.00E-02	16318

External Leadframe Plating			
Item	% of Plating	Weight (g)	PPM
Tin	63	5.67E-02	46262
Lead	37	3.33E-02	27170
Subtotal		9.00E-02	73432

Package Totals	
Weight (g)	PPM
1.23E+00	1000000

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