

Product / Package Information

Package	LCC
Body Size (mm)	
Lead Count	28
Terminal Finish	SnPb

Environmental Information

RoHS Compliant	No
High Temperature Compliant	N/A
Halogen Free Compliant	Yes
REACH SVHC Compliant	Yes

Materials Declaration

Combo Lid

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other Ferrous alloys	Kovar		3.96E-01	92.0	920000	32.21	322128
Nickel & its alloys	Nickel	7440-02-0	1.72E-02	4.00	40000	1.40	14006
Precious metals	Gold	7440-57-5	1.72E-02	4.00	40000	1.40	14006
Subtotal			4.30E-01	100.0	1000000	35.01	350139

Lid Frame

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Gold	7440-57-5	1.59 E-02	79.58	153449	1.30	12960
Tin & its alloys	Tin	7440-31-5	8.78 E-02	20.42	846551	7.15	71498
Subtotal			1.04E-01	100.00	1000000	8.45	84459

Ceramic Package

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Ceramics							
Ceramics	Aluminum oxide	1344-28-1	4.73E-01	90.50	905000	38.47	384747
Ceramics	Chromium oxide	1308-38-9	2.04E-02	3.90	39000	1.66	16580
Ceramics	Silicon Dioxide	14808-60-7	1.83E-02	3.50	35000	1.49	14880
Ceramics	Titanium dioxide	13463-67-7	5.22E-03	1.00	10000	0.43	4251
Ceramics	Calcium oxide	1305-78-8	3.13E-03	0.60	6000	0.26	2551
Ceramics	Magnesium oxide	1309-48-4	2.61E-03	0.50	5000	0.21	2126
Subtotal			5.22 E-01	100.00	1000000	42.51	425134
Pattern							
Other inorganic materials	Tungsten	7440-33-7	2.93 E-02	100.00	1000000	2.39	23858
Nickel Plating							
Nickel & its alloys	Nickel	7440-02-0	3.93 E-03	92.00	850000	0.32	3198
Other inorganic materials	Cobalt	7440-48-4	6.93 E-04	8.00	150000	0.06	564
Subtotal			4.62 E-03	100.00	1000000	0.38	3762
Gold Plating							
Precious metals	Gold	7440-57-5	8.34 E-03	100.00	1000000	0.68	6791
Subtotal			5.64 E-01			45.95	459546

External Leadframe Plating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	5.67 E-02	63.0	630000	4.62	46170
Tin & its alloys	Lead	7439-92-1	3.33 E-02	37.0	370000	2.71	27115
Subtotal			9.00 E-02	100.0	1000000	7.33	73285

Bond Wires

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Aluminum	7429-90-5	1.00 E-03	100.0	1000000	0.08	814

Chip

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Doped Silicon	7440-21-3	1.90 E-02	100.0	1000000	1.55	15471

Die Attach

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Silver	7440-22-4	1.60 E-02	80.00	800000	1.30	13028
Polymer	Cyanate ester resin	Proprietary	4.00 E-03	20.00	200000	0.33	3257
Subtotal			2.00 E-02	100.0	1000000	1.63	16286

Package Totals			Weight (g)	Percentage (%)	PPM
			1.23 E+00	100.00	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