

Product / Package Information

Package	LCC
Body Size	6 X 6 X 2.2 MM
Lead Count	14
Terminal Finish	Au
MS Number	MS012674C

Environmental Information

RoHS Compliant	Yes With Exemption
High Temperature Compliant	Yes
Halogen Free Compliant	Yes
REACH SVHC Compliant	Yes except Lead

Materials Declaration

Ceramic Base							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Ceramics	Alumina	1344-28-1	1.67 E-01	91.3	913200	67.55	675546
Ceramics	Chromium oxide	1308-38-9	7.04 E-03	3.9	38500	2.85	28481
Ceramics	Silicon dioxide	7631-86-9	6.54 E-03	3.6	35800	2.65	26483
Ceramics	Titanium dioxide	13463-67-7	1.81 E-03	0.99	9900	0.73	7324
Ceramics	Molybdenum	7439-98-7	4.75 E-04	0.26	2600	0.19	1923
Subtotal			1.83 E-01	100	1000000	73.98	739757

External Plating							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Gold	7440-57-5	2.09 E-03	67.6	676000	0.84	8443
Nickel & its alloys	Nickel	7440-02-0	1.00 E-03	32.4	324000	0.40	4047
Subtotal			3.09 E-03	100.00	1000000	1.25	12490

Solder Pad/Traces							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Tungsten	7440-33-7	3.09 E-03	100.0	1000000	1.25	12490

Metal Lid							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Iron	7439-89-6	2.52 E-02	58.0	579900	10.18	101833
Nickel & its alloys	Nickel	7440-02-0	1.82 E-02	42.0	420100	7.38	73772
Subtotal			4.34 E-02	100.0	1000000	17.56	175605

Lid Shield Attach							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Lead	7439-92-1	3.41 E-03	90.00	900000	1.38	13792
Tin & its alloys	Tin	7440-31-5	1.89 E-04	5.00	50000	0.08	766
Tin & its alloys	Silver	7440-22-4	1.14 E-04	3.00	30000	0.05	460
Tin & its alloys	Indium	7440-74-6	7.57 E-05	2.00	20000	0.03	306
Subtotal			3.79 E-03	100.0	1000000	1.53	15325

Bond Wires							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious Metals	Gold	7440-57-5	5.16 E-05	99.0	990000	0.02	209
Precious metals	Palladium	5/3/7440	5.21 E-07	1.0	10000	0.0002	2
Subtotal			5.21 E-05	100.0	1000000	0.02	211

Chip							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Doped Silicon	7440-21-3	1.03 E-02	100.0	1000000	4.18	41794

Die Attach 1							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Silver	7440-22-4	2.75 E-04	80.00	800000	0.11	1115
Other organic materials	Cyanic acid, ethylenedi-4,1-phenylene ester	47073-92-7	6.71 E-05	19.50	195000	0.03	272
Other organic materials	4-Nonylphenol, branched	84852-15-3	1.72 E-06	0.50	5000	0.001	7
Subtotal			3.44 E-04	100.00	1000000	0.14	1393

Die Attach 2							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Silicon dioxide	7631-86-9	9.00 E-05	45.00	450000	0.04	364
Other inorganic materials	Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	68909-20-6	4.00 E-05	20.00	200000	0.02	162
Other inorganic materials	Siloxanes and Silicones, di-Me, vinyl group-terminated	68083-19-2	1.50 E-05	7.50	75000	0.01	61
Subtotal			2.00 E-04	100.00	1000000	0.08	810

Metal Seal							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Aluminum & its alloys	Aluminum	7429-90-5	1.55 E-05	50.00	500000	0.01	63
Other inorganic materials	Germanium	7440-56-4	7.74 E-06	25.00	250000	0.00	31
Aluminum & its alloys	Copper	7440-50-8	4.64 E-06	15.00	150000	0.0019	19
Other inorganic materials	Tungsten	7440-33-7	2.48 E-06	8.00	80000	0.0010	10
Other inorganic materials	Titanium	7440-32-6	6.19 E-07	2.00	20000	0.0003	3
Subtotal			3.10 E-05	100.00	1000000	0.01	125

Package Totals			Weight (g) 2.47 E-01		Percentage (%) 100.00		PPM 1000000
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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.



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