

Product / Package Information

Package	LCC
Body Size	
Lead Count	24
Terminal Finish	Au
MS Number	MS012481B

Environmental Information

RoHS Compliant	Yes
High Temperature Compliant	Yes
Halogen Free Compliant	Yes
REACH SVHC Compliant	Yes

Materials Declaration

Ceramic Body

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Ceramics	Alumina (Al2O3)	1344-28-1	1.85 E-02	100.00	1000000	47.16	471577

Lid

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Ceramics	Alumina (Al2O3)	1344-28-1	1.48 E-02	95.80	958000	37.59	375858
Ceramics	Others	1299-15-35-1	6.47 E-04	4.20	42000	1.65	16478
Subtotal			1.54 E-02	100.00	1000000	39.23	392336

External Plating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Nickel & its alloys	Gold	7440-57-5	3.53 E-04	67.60	676245	0.90	8994
Precious metals	Nickel	7440-02-0	1.69 E-04	32.40	323755	0.43	4306
Subtotal			5.22 E-04	100.00	1000000	1.33	13300

Solder pad / traces

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other non-ferrous metals	Tungsten	7440-33-7	2.81 E-03	100.00	5385057	7.16	71623

Bond Wires

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Gold	7440-57-5	1.17 E-04	99.99	1000000	0.30	2981

Chip

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Gallium Arsenide	1303-00-0	1.69 E-03	100.0	1000000	4.30	43010

Die Attach

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Silver	7440-22-4	1.62 E-04	80.00	800000	0.41	4138
Other organic materials	1,4 Bis(2,3-epoxypropoxy)butane	2425-79-8	3.05 E-05	15.00	150000	0.08	776
Other organic materials	Diglycidylether of bisphenol-F	54208-63-8	5.08 E-06	2.50	25000	0.01	129
Other organic materials	Aromatic Amine	Proprietary	5.08 E-06	2.50	25000	0.01	129
Subtotal			2.03 E-04	100.0	1000000	0.52	5172

Package Totals			Weight (g) 3.92 E-02			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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