

### Product / Package Information

Package	Sidebrazed
Body Size	300 mils
Lead Count	24
Terminal Finish	SnPb

### Environmental Compliance Information

RoHS Compliant	No
High Temperature Compatible	No
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
Kovar							
Iron & its alloys	Iron	7439-89-6	7.70E-02	54.0	496800	3.74	37435
Iron & its alloys	Nickel	7440-02-0	4.14E-02	29.0	266800	2.01	20104
Iron & its alloys	Cobalt	7440-48-4	2.42E-02	17.0	156400	1.18	11785
	Subtotal		1.43E-01	92.0	920000	6.93	69324
Nickel & its alloys	Nickel	7440-02-0	6.20E-03	4.00	40000	0.30	3014
Precious metals	Gold	7440-57-5	6.20E-03	4.00	40000	0.30	3014
Subtotal			1.55E-01	100.0	1000000	7.54	75352

#### Lid Frame

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Gold	7440-57-5	2.39 E-02	79.58	795800	1.16	11606
Tin & its alloys	Tin	7440-31-5	6.13 E-03	20.42	204200	0.30	2978
Subtotal			3.00E-02	100.00	1000000	1.46	14584

#### Ceramic Package

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Ceramics	Aluminum oxide	1344-28-1	1.43 E+00	77.97	779700	69.71	697068
Other ferrous alloys	Iron	7439-89-6	1.16 E-01	6.31	63100	5.64	56413
Nickel & its alloys	Nickel	7440-02-0	8.94 E-02	4.86	48600	4.34	43449
Other inorganic materials	Chromium	7440-47-3	6.62 E-02	3.6	36000	3.22	32185
Ceramics	Silicon Dioxide	14808-60-7	5.88 E-02	3.2	32000	2.86	28609
Other inorganic materials	Tungsten	7440-33-7	3.68 E-02	2	20000	1.79	17880
Ceramics	Calcium oxide	1305-78-8	1.10 E-02	0.6	6000	0.54	5364
Ceramics	Magnesium oxide	1309-48-4	9.20 E-03	0.5	5000	0.45	4470
Precious metals	Silver	7440-22-4	9.20 E-03	0.5	5000	0.45	4470
Other inorganic materials	Cobalt	7440-48-4	3.68 E-03	0.2	2000	0.18	1788
Precious metals	Gold	7440-57-5	2.94 E-03	0.16	1600	0.14	1430
Copper & its alloys	Copper	7440-50-8	1.84 E-03	0.1	1000	0.09	894
Subtotal			1.84 E+00	100.00	1000000	89.40	894020

#### External Leadframe Plating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7439-92-1	1.89 E-02	63.0	630000	0.92	9188
Tin & its alloys	Lead	7440-31-5	1.11 E-02	37.0	370000	0.54	5396
Subtotal			3.00 E-02	100.0	1000000	1.46	14584

#### 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	0.05	486

#### Chip

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Doped Silicon	7440-21-3	1.00 E-03	100.0	1000000	0.05	486

**Die Attach**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Silver	7440-22-4	8.00 E-04	80.00	800000	0.04	389
Other organic materials	Cyanoic acid, ethyldenedi-4,1-phenylene ester	47073-92-7	1.95 E-04	19.50	195000	0.01	95
Other organic materials	4-Nonylphenol, branched	84852-15-3	5.00 E-06	0.50	5000	0.00	2
Subtotal			1.00 E-03	100.0	995000	0.05	486
<b>Package Totals</b>			<b>Weight (g)</b>			<b>Percentage (%)</b>	<b>PPM</b>
			2.06 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

