

**Product / Package Information**

<b>Package</b>	CerDIP
<b>Body Size</b>	300 mils
<b>Lead Count</b>	8
<b>Terminal Finish</b>	63Sn37Pb

**Environmental Compliance Information**

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

**Materials Declaration**

**Base**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
<b>Ceramics</b>							
Ceramics	Aluminum oxide	1344-28-1	2.03E-01	62.11	621057	20.36	203612
Ceramics	Manganese dioxide	1313-13-9	7.80E-03	2.38	23816	0.78	7808
Ceramics	Silicon Dioxide	14808-60-7	6.60E-03	2.02	20152	0.66	6607
Ceramics	Titanium Dioxide	13463-67-7	4.20E-03	1.28	12824	0.42	4204
Ceramics	Chromium oxide	1308-38-9	3.30E-03	1.01	10076	0.33	3303
Ceramics	Iron Oxide		2.70E-03	0.82	8244	0.27	2703
Ceramics	Magnesium oxide	1309-48-4	1.20E-03	0.37	3664	0.12	1201
Ceramics	Cobalt oxide	1308-06-1	6.00E-04	0.18	1832	0.06	601
Ceramics	Calcium oxide	1305-78-8	9.00E-05	0.03	275	0.01	90
	Subtotal		2.30E-01	70.19	701941	23.01	230130
<b>Sealing Glass</b>							
Glass	Lead Oxide	1309-60-0	4.35E-02	13.28	132822	4.35	43545
Glass	Tin Oxide	18282-10-5	1.14E-02	3.48	34809	1.14	11412
Glass	Silicon Dioxide	14808-60-7	5.10E-03	1.56	15572	0.51	5105
Glass	Boron Trioxide	1303-86-2	2.66E-02	8.12	81220	2.66	26628
Glass	Aluminum Oxide	1344-28-1	3.00E-03	0.92	9160	0.30	3003
Glass	Titanium Dioxide	13463-67-7	4.20E-03	1.28	12824	0.42	4204
Glass	Magnesium Oxide	1309-48-4	1.50E-03	0.46	4580	0.15	1502
Glass	Zinc Oxide	1314-13-2	6.00 E-04	0.18	1832	0.06	601
Glass	Calcium Oxide	1305-78-8	1.50E-03	0.46	4580	0.15	1502
Glass	Chromium Oxide	1308-38-9	9.00E-05	0.03	275	0.01	90
Glass	Iron Oxide		9.00E-05	0.03	275	0.01	90
Glass	Manganese Dioxide	1313-13-9	3.00E-05	0.01	92	0.003	30
Glass	Sodium Oxide		6.00E-06	0.002	18	0.001	6
	Subtotal		9.76 E-02	29.81	298059	9.77	97718
Subtotal			3.28E-01	100.00	1000000	33	327847

**Caps**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
<b>Ceramics</b>							
Ceramics	Aluminum oxide	1344-28-1	3.13 E-01	62.60	626000	31.33	313326
Ceramics	Manganese dioxide	1313-13-9	1.20 E-02	2.40	24000	1.20	12013
Ceramics	Silicon Dioxide	14808-60-7	1.00 E-02	2.00	20000	1.00	10010
Ceramics	Titanium Dioxide	1317-70-0	6.50 E-03	1.30	13000	0.65	6507
Ceramics	Chromium oxide	1308-38-9	5.00 E-03	1.00	10000	0.50	5005
Ceramics	Iron Oxide		3.95 E-03	0.79	7900	0.40	3954
Ceramics	Magnesium oxide	1309-48-4	2.00 E-03	0.40	4000	0.20	2002
Ceramics	Cobalt oxide		1.00 E-03	0.20	2000	0.10	1001
Ceramics	Calcium oxide	1305-78-8	1.50 E-04	0.03	300	0.02	150
	Subtotal		3.54 E-01	70.72	707200	35.40	353968
<b>Sealing Glass</b>							
Glass	Lead Oxide	1309-60-0	8.95 E-02	17.89	178900	8.95	89543
Glass	Tin Oxide		2.30 E-02	4.60	46000	2.30	23024
Glass	Silicon Dioxide	14808-60-7	1.10 E-02	2.20	22000	1.10	11011
Glass	Boron Trioxide	1303-86-2	8.50 E-03	1.70	17000	0.85	8509
Glass	Aluminum Oxide	1344-28-1	6.00 E-03	1.20	12000	0.60	6006
Glass	Magnesium Oxide	1309-48-4	3.50 E-03	0.70	7000	0.35	3504
Glass	Calcium Oxide	1305-78-8	3.50 E-03	0.70	7000	0.35	3504
Glass	Zinc Oxide	1314-13-2	1.00 E-03	0.20	2000	0.10	1001
Glass	Chromium Oxide	1308-38-9	2.00 E-04	0.04	400	0.02	200
Glass	Iron Oxide		2.00 E-04	0.04	400	0.02	200
Glass	Manganese dioxide	1313-13-9	5.00 E-05	0.010	100	0.01	50
	Subtotal		1.46 E-01	29.28	292800	14.66	146553
Subtotal			5.00 E-01	100.00	1000000	50.05	500521

**Leadframe**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Iron & its alloys	Iron	7439-89-6	7.00 E-02	58.45	584048	7.01	70073
Iron & its alloys	Nickel	7440-02-0	4.90 E-02	40.84	408833	4.91	49051
Iron & its alloys	Manganese	7439-96-5	6.24 E-04	0.52	5206	0.06	625
Iron & its alloys	Silicon	7440-21-3	1.56 E-04	0.13	1302	0.02	156
Iron & its alloys	Cobalt	7440-48-4	3.60 E-05	0.03	300	0.004	36
Iron & its alloys	Chromium	7440-47-3	1.20 E-05	0.01	100	0.001	12
Iron & its alloys	Aluminum	7429-90-5	1.20 E-05	0.01	100	0.001	12
Iron & its alloys	Sulfur	7704-34-9	7.20 E-06	0.01	60	0.001	7
Iron & its alloys	Carbon	7440-44-0	3.60 E-06	0.003	30	0.0004	4
Iron & its alloys	Phosphorus	7723-14-0	2.40 E-06	0.002	20	0.0002	2
Subtotal			1.20 E-01	100.0	1000000	12.00	119978

**External Leadframe Plating**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7439-92-1	2.52 E-02	63.0	630000	2.52	25226
Tin & its alloys	Lead	7440-31-5	1.48 E-02	37.0	370000	1.48	14815
Subtotal			4.00 E-02	100.0	1000000	4.00	40042

**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	0.10	1001

**Chip**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Doped Silicon	7440-21-3	6.00 E-04	100.0	1000000	0.06	601

**Die Attach**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Silver	7440-22-4	8.00 E-03	80.00	800000	0.80	8008
Glass	Lead Borate Glass	Proprietary	2.00 E-03	20.00	200000	0.20	2002
Subtotal			1.00 E-02	100.0	1000000	1.00	10010

			Weight (g)			Percentage (%)	PPM
<b>Package Totals</b>			<b>9.99 E-01</b>			<b>100.00</b>	<b>1000000</b>

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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