



Product / Package Information	
Package:	WLCSP
Body Size (mm):	
I/O Count:	49
Terminal Finish	SnAgCu

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

**Materials Declaration**

**Chip**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Doped Silicon	7440-21-3	9.51 E-03	100.00	1000000	63.44	634440

**Wafer Bumps**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	4.84 E-03	95.50	938371	32.28	322765
Tin & its alloys	Silver	7440-22-4	2.83 E-04	3.90	54991	1.89	18915
Tin & its alloys	Copper	7440-50-8	3.42 E-05	0.60	6638	0.23	2283
Subtotal			5.15E-03	100.00	1000000	34.40	343963

**UBM / Redistribution Layers**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	1.07 E-04	58.73	587268	0.71	7121
Nickel & its alloys	Nickel	7440-02-0	4.29 E-05	23.59	235879	0.29	2860
Precious metals	Gold	7440-57-5	2.32 E-05	12.78	127763	0.15	1549
Other inorganic materials	Tungsten	7440-33-7	7.05 E-06	3.88	38804	0.05	471
Other inorganic materials	Titanium	7440-32-6	1.87 E-06	1.03	10286	0.01	125
Subtotal			1.82 E-04	100.00	1000000	1.21	12125

**Polyimide**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Photosensitive PolyimideResin	Proprietary		30-60			
Other organic materials	Acrylate Ester	Proprietary		5-10			
Others	Proprietary Ingredients	Proprietary		1-5			
Subtotal			1.42E-04	100	1000000	0.95	9472

<b>Package Totals</b>			<b>Weight (g)</b> 1.50 E-02			<b>Percentage (%)</b> 100.00	<b>PPM</b> 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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