



Product / Package Information	
Package:	WLCSP
Body Size (mm):	
I/O Count:	16
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	3.20 E-03	100.00	1000000	62.09	620863

#### Backside Coating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Polyethylene terephthalate	25038-59-9		60-80			
Other inorganic materials	Silica	Proprietary		10-25			
Thermoplastic	Epoxy Resin	Proprietary		3-10			
Thermoplastic	Acrylic polymer	Proprietary		3-10			
Other organic materials	Carbon black	Proprietary		<1			
Subtotal			1.52E-04	100.00	1000000	2.95	29487

#### Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	1.60 E-03	95.50	955000	31.02	310209
Tin & its alloys	Silver	7440-22-4	6.53 E-05	3.90	39000	1.27	12668
Tin & its alloys	Copper	7440-50-8	1.00 E-05	0.60	6000	0.19	1949
Subtotal			1.67E-03	100.00	1000000	32.48	324826

#### UBM / Redistribution Layers

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	5.17 E-05	67.61	676124	1.00	10029
Nickel & its alloys	Nickel	7440-02-0	1.40 E-05	18.30	183012	0.27	2715
Precious metals	Gold	7440-57-5	7.58 E-06	9.91	99128	0.15	1470
Other inorganic materials	Tungsten	7440-33-7	2.55E-06	3.34	33391	0.05	495
Other inorganic materials	Titanium	7440-32-6	6.38E-07	0.83	8346	0.01	124
Subtotal			7.65 E-05	100.00	1000000	1.48	14832

#### 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			5.15E-05	100	1000000	1.00	9991

Package Totals	Weight (g)	Percentage (%)	PPM
	5.15 E-03	100	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.

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