



Product / Package Information

Package:	WLCSP
Body Size (mm):	
I/O Count:	12
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	2.24 E-03	100.00	1000000	60.81	608139

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			1.06 E-04	100.00	1000000	2.89	28880

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	1.20 E-03	95.50	955000	32.56	325555
Tin & its alloys	Silver	7440-22-4	4.90 E-05	3.90	39000	1.33	13295
Tin & its alloys	Copper	7440-50-8	7.53 E-06	0.60	6000	0.20	2045
Subtotal			1.26E-03	100.00	1000000	34.09	340895

UBM / Redistribution Layers

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	2.74 E-05	60.41	604091	0.74	7428
Nickel & its alloys	Nickel	7440-02-0	1.05 E-05	23.17	231674	0.28	2849
Precious metals	Gold	7440-57-5	5.68 E-06	12.55	125486	0.15	1543
Other inorganic materials	Tungsten	7440-33-7	1.34E-06	2.96	29596	0.04	364
Other inorganic materials	Titanium	7440-32-6	4.15E-07	0.92	9155	0.01	113
Subtotal			4.53 E-05	100.00	1000000	1.23	12297

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Photosensitive PolyimideResin	Proprietary	2.89E-05	80.0	800000	0.78	7832
Other organic materials	Acrylate Ester	Proprietary	4.81E-06	13.3	133333	0.13	1305
Others	Proprietary Ingredients	Proprietary	2.40E-06	6.7	66667	0.07	653
Subtotal			3.61E-05	100	1000000	0.98	9789

Package Totals			Weight (g)			Percentage (%)	PPM
			3.68 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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