

**Product / Package Information**

Package:	WLCSP
Body Size (mm):	
I/O Count:	72
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	1.38 E-02	100.00	1000000	62.85	628473

**Backside Coating**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Polyethylene terephthalate	25038-59-9	7.01 E-04	69.40	694000	3.19	31922
Other inorganic materials	Silica	Proprietary	1.75 E-04	17.30	173000	0.80	7957
Thermoplastic	Epoxy Resin	Proprietary	6.46 E-05	6.40	64000	0.29	2944
Thermoplastic	Acrylic polymer	Proprietary	6.46 E-05	6.40	64000	0.29	2944
Other organic materials	Carbon black	Proprietary	5.05 E-06	0.50	5000	0.02	230
Subtotal			1.01 E-03	100.00	1000000	4.60	45997

**Wafer Bumps**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	6.30 E-03	95.50	955000	28.70	287048
Tin & its alloys	Silver	7440-22-4	2.51 E-04	3.80	38000	1.14	11422
Tin & its alloys	Copper	7440-50-8	4.62 E-05	0.70	7000	0.21	2104
Subtotal			6.60E-03	100.00	1000000	30.06	300574

**UBM / Redistribution Layers**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	2.95 E-04	99.33	993266	1.34	13435
Other inorganic materials	Titanium	7440-32-6	2.00E-06	0.67	6734	0.01	91
Subtotal			2.97 E-04	100.00	1000000	1.35	13526

**Polyimide**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Photosensitive PolyimideResin	Proprietary	2.01E-04	80.00	800000	0.91	9145
Other organic materials	Acrylate Ester	Proprietary	3.35E-05	13.33	133333	0.15	1524
Others	Proprietary Ingredients	Proprietary	1.67E-05	6.67	66667	0.08	762
Subtotal			2.51E-04	100	1000000	1.14	11431

Package Totals	Weight (g)	Percentage (%)	PPM
	2.20 E-02	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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