



Product / Package Information	
Package:	WLCSP
Body Size (mm):	
I/O Count:	30
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	6.72 E-03	100.00	1000000	64.43	644313

Backside Coating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Polyethylene terephthalate	25038-59-9	2.21E-04	69.4	694000	2.123	21235
Other inorganic materials	Silica	Proprietary	5.52E-05	17.3	173000	0.529	5293
Thermoplastic	Epoxy Resin	Proprietary	2.04E-05	6.4	64000	0.196	1958
Thermoplastic	Acrylic polymer	Proprietary	2.04E-05	6.4	64000	0.196	1958
Other organic materials	Carbon black	Proprietary	1.60E-06	0.5	5000	0.015	153
Subtotal			3.19E-04	100.00	1000000	3.06	30597

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	3.00 E-03	95.50	955000	28.75	287544
Tin & its alloys	Silver	7440-22-4	1.22 E-04	3.90	39000	1.17	11743
Tin & its alloys	Copper	7440-50-8	1.88 E-05	0.60	6000	0.18	1807
Subtotal			3.14E-03	100.00	1000000	30.11	301094

UBM / Redistribution Layers

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	9.42 E-05	67.06	670571	0.90	9034
Nickel & its alloys	Nickel	7440-02-0	2.62 E-05	18.68	186763	0.25	2516
Precious metals	Gold	7440-57-5	1.42 E-05	10.12	101160	0.14	1363
Other inorganic materials	Tungsten	7440-33-7	4.65E-06	3.31	33098	0.04	446
Other inorganic materials	Titanium	7440-32-6	1.18E-06	0.84	8408	0.01	113
Subtotal			1.40 E-04	100.00	1000000	1.35	13473

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Photosensitive PolyimideResin	Proprietary	8.78E-05	80.00	800000	0.84	8419
Other organic materials	Acrylate Ester	Proprietary	1.46E-05	13.33	133333	0.14	1403
Others	Proprietary Ingredients	Proprietary	7.32E-06	6.67	66667	0.07	702
Subtotal			1.10E-04	100	1000000	1.05	10524

Package Totals	Weight (g)	Percentage (%)	PPM
	1.04 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.

ADI Proprietary

