



Product / Package Information	
Package:	WLCSP
Body Size (mm):	
I/O Count:	20
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	4.84 E-03	100.00	1000000	68.18	681795

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	2.00 E-03	95.50	955000	28.13	281327
Tin & its alloys	Silver	7440-22-4	8.16 E-05	3.90	39000	1.15	11489
Tin & its alloys	Copper	7440-50-8	1.26 E-05	0.60	6000	0.18	1768
Subtotal			2.09E-03	100.00	1000000	29.46	294583

UBM / Redistribution Layers

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	6.34 E-05	67.24	672387	0.89	8922
Nickel & its alloys	Nickel	7440-02-0	1.75 E-05	18.55	185536	0.25	2462
Precious metals	Gold	7440-57-5	9.47 E-06	10.05	100495	0.13	1333
Other inorganic materials	Tungsten	7440-33-7	3.13 E-06	3.32	33194	0.04	440
Other inorganic materials	Titanium	7440-32-6	7.91 E-07	0.84	8388	0.01	111
Subtotal			9.43 E-05	100.00	1000000	1.33	13268

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			7.36E-05	100	1000000	1.04	10353

Package Totals	Weight (g)	Percentage (%)	PPM
	7.10 E-03	100.00	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

