



Product / Package Information	
Package:	WLCSP
Body Size (mm):	
I/O Count:	5
Terminal Finish	SnAgCu
MS Number	

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	1.07 E-03	100.00	1000000	63.35	633466

Backside Coating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Silica	Proprietary	3.19 E-05	42.68	426800	1.88	18842
Thermoplastic	Epoxy Resin	Proprietary	2.10 E-05	28.05	280500	1.24	12383
Thermoplastic	Acrylic polymer	Proprietary	2.10 E-05	28.05	280500	1.24	12383
Other organic materials	Carbon black	Proprietary	9.11 E-07	1.22	12200	0.05	539
Subtotal			7.47 E-05	100.00	1000000	4.41	44148

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	5.00 E-04	95.50	955000	29.53	295325
Tin & its alloys	Silver	7440-22-4	2.04 E-05	3.90	39000	1.21	12060
Tin & its alloys	Copper	7440-50-8	3.14 E-06	0.60	6000	0.19	1855
Subtotal			5.23E-04	100.00	1000000	30.92	309241

UBM

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	3.03 E-07	4.23	42348	0.02	179
Nickel & its alloys	Nickel	7440-02-0	4.37 E-06	61.12	611158	0.26	2584
Precious metals	Gold	7440-57-5	2.37 E-06	33.10	331033	0.14	1400
Other inorganic materials	Titanium	7440-32-6	1.11 E-07	1.55	15461	0.01	65
Subtotal			7.15 E-06	100.00	1000000	0.42	4228

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	1.03 E-05	67.95	679500	0.61	6060
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	2.20 E-06	14.56	145600	0.13	1298
Other organic materials	Trifluoroacetic Anhydride	407-25-0	8.80 E-07	5.83	58300	0.05	520
Other organic materials	4,4'-Oxydipthalic Anhydride	1823-59-2	8.80 E-07	5.83	58300	0.05	520
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	8.80 E-07	5.83	58300	0.05	520
Subtotal			1.51E-05	100.00	1000000	0.89	8918

Package Totals	Weight (g)	Percentage (%)	PPM
	1.69 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.



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