



Product / Package Information	
Package	WLCSP
Body Size	
I/O Count	6
Terminal Finish	SnAgCu
MS Number	MS011173A

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	9.64E-04	100.00	1000000	59.42	594203

Wafer Bumps							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	5.97E-04	95.50	955000	36.84	368355
Tin & its alloys	Silver	7440-22-4	2.44E-05	3.90	39000	1.50	15043
Tin & its alloys	Copper	7440-50-8	3.75E-06	0.60	6000	0.231	2314
Subtotal			6.26 E-04	100.00	1000000	38.57	385712

UBM							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	9.30 E-06	60.65	606500	0.57	5735
Nickel & its alloys	Nickel	7440-02-0	3.53 E-06	23.00	230046	0.218	2175
Precious metals	Gold	7440-57-5	1.91 E-06	12.46	124604	0.1178	1178
Other inorganic materials	Tungsten	7440-33-7	4.56 E-07	2.97	29723	0.0281	281
Other inorganic materials	Titanium	7440-32-6	1.40 E-07	0.91	9128	0.009	86
Subtotal			1.53 E-05	100.00	1000000	0.95	9457

Polyimide							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	1.17 E-05	67.95	679500	0.72	7222
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	2.51 E-06	14.56	145600	0.155	1548
Other organic materials	Trifluoroacetic Anhydride	407-25-0	1.00 E-06	5.83	58300	0.062	620
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	1.00 E-06	5.83	58300	0.062	620
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	1.00 E-06	5.83	58300	0.062	620
Subtotal			1.72 E-05	100.0	1000000	1.06	10629

			Weight (g)				Percentage (%)	PPM
Package Totals			1.62 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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