

**Product / Package Information**

Package	WLCSP
Body Size	
I/O Count	9
Terminal Finish	SnAgCu
MS Number	MS011110A

**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	1.92 E-03	100.00	1000000	65.06	650570

**Wafer Bumps**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	9.09E-04	96.80	968000	30.87	308664
Tin & its alloys	Silver	7440-22-4	2.44E-05	2.60	26000	0.83	8291
Tin & its alloys	Copper	7440-50-8	5.64E-06	0.60	6000	0.191	1913
Subtotal			9.39E-04	100.00	1000000	31.89	318868

**UBM / RDL**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	2.09 E-05	42.05	420474	0.71	7081
Aluminum & its alloys	Aluminum	7429-90-5	1.49 E-05	30.13	301297	0.507	5074
Precious metals	Nickel	7440-02-0	8.18 E-06	16.50	164952	0.278	2778
Other non-ferrous metals and alloys	Vanadium	7440-62-2	5.37 E-06	10.82	108176	0.182	1822
Other non-ferrous metals and alloys	Titanium	7440-32-6	2.53 E-07	0.51	5102	0.009	86
Subtotal			4.96 E-05	100.00	1000000	1.68	16841

**Polyimide**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	2.75 E-05	67.95	679500	0.93	9324
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	5.89 E-06	14.56	145600	0.200	1998
Other organic materials	Trifluoroacetic Anhydride	407-25-0	2.36 E-06	5.83	58300	0.080	800
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	2.36 E-06	5.83	58300	0.080	800
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	2.36 E-06	5.83	58300	0.080	800
Subtotal			4.04 E-05	100.0	1000000	1.37	13722

Package Totals	Weight (g)	Percentage (%)	PPM
	2.95 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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