

**Product / Package Information**

Package	WLCSP
Body Size	
I/O Count	9
Terminal Finish	SnAgCu
MS Number	MS011112A

**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	1.67 E-03	100.00	1000000	62.55	625510

**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	34.00	340038
Tin & its alloys	Silver	7440-22-4	2.44E-05	2.60	26000	0.91	9133
Tin & its alloys	Copper	7440-50-8	5.64E-06	0.60	6000	0.211	2108
Subtotal			9.39E-04	100.00	1000000	35.13	351279

**UBM / RDL**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	1.79 E-05	65.23	652287	0.67	6687
Precious metals	Nickel	7440-02-0	7.01 E-06	25.59	255892	0.262	2623
Other non-ferrous metals and alloys	Titanium	7440-32-6	2.30 E-06	8.39	83907	0.086	860
Other non-ferrous metals and alloys	Vanadium	7440-62-2	2.17 E-07	0.79	7914	0.008	81
Subtotal			2.74 E-05	100.00	1000000	1.03	10252

**Polyimide**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	2.35 E-05	67.95	679500	0.88	8806
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	5.05 E-06	14.56	145600	0.189	1887
Other organic materials	Trifluoroacetic Anhydride	407-25-0	2.02 E-06	5.83	58300	0.076	756
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	2.02 E-06	5.83	58300	0.076	756
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	2.02 E-06	5.83	58300	0.076	756
Subtotal			3.47 E-05	100.0	1000000	1.30	12960

Package Totals	Weight (g)	Percentage (%)	PPM
	2.67 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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