

**Product / Package Information**

Package	WLCSP
Body Size	
I/O Count	16
Terminal Finish	SnAgCu
MS Number	MS011072B

**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	2.83E-03	100.00	1000000	60.19	601919

**Backside Coating**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Silica	Proprietary	5.75 E-05	42.68	426800	1.22	12200
Thermoplastic	Epoxy Resin	Proprietary	3.78 E-05	28.05	280500	0.80	8018
Thermoplastic	Acrylic polymer	Proprietary	3.78 E-05	28.05	280500	0.80	8018
Other organic materials	Carbon black	Proprietary	1.64 E-04	1.22	12200	0.03	349
Subtotal			1.35 E-04	100.00	1000000	2.86	28584

**Wafer Bumps**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	1.60E-03	95.50	955000	33.95	339512
Tin & its alloys	Silver	7440-22-4	6.53E-05	3.90	39000	1.39	13865
Tin & its alloys	Copper	7440-50-8	1.00E-05	0.60	6000	0.213	2133
Subtotal			1.67 E-03	100.00	1000000	35.55	355510

**UBM**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Nickel & its alloys	Nickel	7440-02-0	1.40 E-05	61.12	611158	0.30	2971
Precious metals	Gold	7440-57-5	7.58 E-06	33.10	331033	0.16	1609
Copper & its alloys	Copper	7440-50-8	9.70 E-07	4.23	42348	0.02	206
Other inorganic materials	Titanium	7440-32-6	3.54 E-07	1.55	15461	0.01	75
Subtotal			2.29 E-05	100.00	1000000	0.49	4861

**Polyimide**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	2.92 E-05	67.95	679500	0.62	6201
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	6.26 E-06	14.56	145600	0.133	1329
Other organic materials	Trifluoroacetic Anhydride	407-25-0	2.51 E-06	5.83	58300	0.053	532
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	2.51 E-06	5.83	58300	0.053	532
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	2.51 E-06	5.83	58300	0.053	532
Subtotal			4.30 E-05	100.0	1000000	0.91	9126

Package Totals	Weight (g)	Percentage (%)	PPM
	4.71 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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