

**Product / Package Information**

Package	WLCSP
Body Size	
I/O Count	6
Terminal Finish	SnAgCu
MS Number	MS011118A

**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	7.23E-04	100.00	1000000	60.88	608766

**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	2.68	26845
Thermoplastic	Epoxy Resin	Proprietary	2.10 E-05	28.05	280500	1.76	17643
Thermoplastic	Acrylic polymer	Proprietary	2.10 E-05	28.05	280500	1.76	17643
Other organic materials	Carbon black	Proprietary	9.11 E-07	1.22	12200	0.08	767
Subtotal			7.47 E-05	100.00	1000000	6.29	62897

**Wafer Bumps**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	3.50E-04	96.80	968000	29.51	295050
Tin & its alloys	Silver	7440-22-4	9.41E-06	2.60	26000	0.79	7925
Tin & its alloys	Copper	7440-50-8	2.17E-06	0.60	6000	0.183	1829
Subtotal			3.62 E-04	100.00	1000000	30.48	304804

**UBM**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	8.07 E-06	65.36	653563	0.68	6795
Nickel & its alloys	Nickel	7440-02-0	3.16 E-06	25.59	255918	0.266	2661
Other non-ferrous metals and alloys	Vanadium	7440-62-2	9.77 E-08	0.79	7912	0.0082	82
Other inorganic materials	Titanium	7440-32-6	1.02 E-06	8.26	82606	0.086	859
Subtotal			1.23 E-05	100.00	1000000	1.04	10397

**Polyimide**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	1.06 E-05	67.95	679500	0.89	8925
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	2.27 E-06	14.56	145600	0.191	1912
Other organic materials	Trifluoroacetic Anhydride	407-25-0	9.09 E-07	5.83	58300	0.077	766
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	9.09 E-07	5.83	58300	0.077	766
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	9.09 E-07	5.83	58300	0.077	766
Subtotal			1.56 E-05	100.0	1000000	1.31	13135

Package Totals	Weight (g)	Percentage (%)	PPM
	1.19 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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