

Product / Package Information

Package	WLCSP
Body Size	
I/O Count	8
Terminal Finish	SnAgCu
MS Number	MS011159C

Environmental Information

RoHS Compliant	Yes
High Temperature Compliant	Yes
Halogen Free Compliant	Yes
REACH SVHC Compliant	Yes
Last Updated	02-May-19

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	8.52E-04	100.00	1000000	59.69	596932

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	4.65E-04	95.50	955000	32.57	325730
Tin & its alloys	Silver	7440-22-4	1.95E-05	4.00	40000	1.36	13643
Tin & its alloys	Copper	7440-50-8	2.43E-06	0.50	5000	0.171	1705
Subtotal			4.87 E-04	100.00	1000000	34.11	341078

UBM

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	2.94 E-05	99.45	994475	2.06	20577
Other inorganic materials	Titanium	7440-32-6	1.63 E-07	0.55	5525	0.011	114
Subtotal			2.95 E-05	100.00	1000000	2.07	20691

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	3.97 E-06	67.95	679500	0.25	2780
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	8.50 E-07	14.56	145600	0.060	596
Other organic materials	Trifluoroacetic Anhydride	407-25-0	3.41 E-07	5.83	58300	0.024	239
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	3.41 E-07	5.83	58300	0.024	239
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	3.41 E-07	5.83	58300	0.024	239
Subtotal			5.84 E-06	100.0	1000000	0.41	4091

Backside Coating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Silica	Proprietary	2.27 E-05	42.68	3881490	1.59	15880
Thermoplastic	Epoxy Resin	Proprietary	1.49 E-05	28.05	2550979	1.044	10437
Thermoplastic	Acrylic polymer	Proprietary	1.49 E-05	28.05	2550979	1.044	10437
Other organic materials	Carbon black	Proprietary	6.48 E-07	1.22	110952	0.045	454
Subtotal			5.31 E-05	100.0	9094401	3.72	37208

Package Totals	Weight (g)	Percentage (%)	PPM
	1.43 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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