

Product / Package Information

Package	WLCSP
Body Size	
I/O Count	117
Terminal Finish	SnAgCuNi
MS Number	MS011048A

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	1.80 E-02	100.00	1000000	88.73	887333

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	1.14E-03	98.25	982500	5.59	55890
Tin & its alloys	Silver	7440-22-4	1.39E-05	1.20	12000	0.07	683
Tin & its alloys	Copper	7440-50-8	5.78E-06	0.50	5000	0.028	284
Tin & its alloys	Nickel	7440-02-0	5.78E-07	0.05	500	0.003	28
Subtotal			1.16E-03	100.00	1000000	5.69	56885

UBM / RDL

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	8.64 E-04	99.01	990133	4.25	42519
Other inorganic materials	Titanium	7440-32-6	8.61E-06	0.99	9867	0.042	424
Subtotal			8.73 E-04	100.00	1000000	4.29	42943

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	1.77 E-04	67.95	679500	0.87	8724
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	3.80 E-05	14.56	145600	0.187	1869
Other organic materials	Trifluoroacetic Anhydride	407-25-0	1.52 E-05	5.83	58300	0.075	748
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	1.52 E-05	5.83	58300	0.075	748
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	1.52 E-05	5.83	58300	0.075	748
Subtotal			2.61E-04	100.0	1000000	1.28	12839

Package Totals	Weight (g)	Percentage (%)	PPM
	2.03 E-02	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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