

Product / Package Information

Package	WLCSP
Body Size	
I/O Count	25
Terminal Finish	SnAgCu
MS Number	MS011107A

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	5.49 E-03	100.00	1000000	65.73	657320

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	2.49E-03	95.50	955000	29.84	298434
Tin & its alloys	Silver	7440-22-4	1.04E-04	4.00	40000	1.25	12500
Tin & its alloys	Copper	7440-50-8	1.31E-05	0.50	5000	0.156	1562
Subtotal			2.61 E-03	100.00	1000000	31.25	312496

UBM / RDL

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	5.97 E-05	42.05	420474	0.71	7149
Aluminum & its alloys	Aluminum	7429-90-5	4.28 E-05	30.13	301297	0.51	5123
Nickel & its alloys	Nickel	7440-02-0	2.34 E-05	16.50	164952	0.28	2804
Nickel & its alloys	Vanadium	7440-62-2	7.24 E-07	0.51	5102	0.01	87
Other non-ferrous metals and alloys	Titanium	7440-32-6	1.54 E-05	10.82	108176	0.18	1839
Subtotal			1.42 E-04	100.00	1000000	1.70	17002

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	7.48 E-05	67.95	679500	0.90	8957
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	1.60 E-05	14.56	145600	0.192	1919
Other organic materials	Trifluoroacetic Anhydride	407-25-0	6.42 E-06	5.83	58300	0.077	769
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	6.42 E-06	5.83	58300	0.077	769
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	6.42 E-06	5.83	58300	0.077	769
Subtotal			1.10 E-04	100.00	1000000	1.32	13182

Package Totals			Weight (g)	8.35 E-03		Percentage (%)	100.00	PPM	1000000
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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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