

Product / Package Information

Package	WLCSP
Body Size	
I/O Count	12
Terminal Finish	SnAgCu
MS Number	MS011207A

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	1.10 E-03	100.00	1000000	82.93	829322

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	5.81E-05	95.50	955000	4.39	43935
Tin & its alloys	Silver	7440-22-4	2.31E-06	3.80	38000	0.17	1748
Tin & its alloys	Copper	7440-50-8	4.26E-07	0.70	7000	0.032	322
Subtotal			6.08E-05	100.00	1000000	4.60	46005

UBM

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	3.61 E-05	99.33	993274	2.73	27291
Other non-ferrous metals and alloys	Titanium	7440-32-6	2.44 E-07	0.67	6726	0.018	185
Subtotal			3.63 E-05	100.00	1000000	2.75	27475

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	1.75 E-05	67.95	679500	1.32	13209
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	3.74 E-06	14.56	145600	0.283	2830
Other organic materials	Trifluoroacetic Anhydride	407-25-0	1.50 E-06	5.83	58300	0.113	1133
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	1.50 E-06	5.83	58300	0.113	1133
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	1.50 E-06	5.83	58300	0.113	1133
Subtotal			2.57 E-05	100.0	1000000	1.94	19439

Backside Coating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Silica	Proprietary	4.39 E-05	42.68	1707200	3.32	33187
Thermoplastic	Epoxy Resin	Proprietary	2.88 E-05	28.05	1122000	2.181	21811
Thermoplastic	Acrylic polymer	Proprietary	2.88 E-05	28.05	1122000	2.181	21811
Other organic materials	Carbon black	Proprietary	1.25 E-06	1.22	48800	0.095	949
Subtotal			1.03 E-04	100.0	4000000	7.78	77758

Package Totals			Weight (g)	1.32 E-03		Percentage (%)	100	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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