

Product / Package Information

Package	WLCSP
Body Size	
I/O Count	49
Terminal Finish	SnAgCu
MS Number	MS012126A

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	1.21E-02	100.00	1000000	65.66	656593

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	4.92E-03	95.50	955000	26.61	266110
Tin & its alloys	Silver	7440-22-4	2.06E-04	4.00	40000	1.11	11146
Tin & its alloys	Copper	7440-50-8	2.58E-05	0.50	5000	0.139	1393
Subtotal			5.15 E-03	100.00	1000000	27.86	278649

UBM / RDL

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	3.76 E-04	99.06	990595	2.03	20329
Other non-ferrous metals and alloys	Titanium	7440-32-6	3.57 E-06	0.94	9405	0.019	193
Subtotal			3.80 E-04	100.00	1000000	2.05	20522

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	1.11 E-04	67.95	679500	0.60	5993
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	2.37 E-05	14.56	145600	0.128	1284
Other organic materials	Trifluoroacetic Anhydride	407-25-0	9.51 E-06	5.83	58300	0.051	514
Other organic materials	4,4'-Oxydipthalic Anhydride	1823-59-2	9.51 E-06	5.83	58300	0.051	514
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	9.51 E-06	5.83	58300	0.051	514
Subtotal			1.63 E-04	100.0	1000000	0.88	8819

Backside Coating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Silica	Proprietary	2.80 E-04	42.68	426800	1.51	15116
Thermoplastic	Epoxy Resin	Proprietary	1.84 E-04	28.05	280500	0.99	9934
Thermoplastic	Acrylic polymer	Proprietary	1.84 E-04	28.05	280500	0.99	9934
Other organic materials	Carbon black	Proprietary	7.99 E-06	1.22	12200	0.04	432
			6.55 E-04	100.0	1000000	3.54	35417

Package Totals	Weight (g)	Percentage (%)	PPM
	1.85 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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