

Product / Package Information

Package	WLCSP
Body Size	
I/O Count	16
Terminal Finish	SnAgCu
MS Number	MS012082A

Environmental Information

RoHS Compliant	Yes
High Temperature Compliant	N/A
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	2.46E-03	100.00	1000000	68.94	689433

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	9.30E-04	95.50	955000	26.07	260701
Tin & its alloys	Silver	7440-22-4	3.90E-05	4.00	40000	1.09	10919
Tin & its alloys	Copper	7440-50-8	4.87E-06	0.50	5000	0.136	1365
Subtotal			9.74 E-04	100.00	1000000	27.30	272986

UBM / RDL

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	9.70 E-05	99.03	990300	2.72	27190
Other inorganic materials	Titanium	7440-32-6	9.50 E-07	0.97	9700	0.03	266
Subtotal			9.80 E-05	100.00	1000000	2.75	27456

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Resin	Proprietary	2.45 E-05	67.95	679500	0.69	6880
Other organic materials	Tetraethylene Glycol Dimethacrylate	109-17-1	5.26 E-06	14.56	145600	0.147	1474
Other organic materials	Trifluoroacetic Anhydride	407-25-0	2.11 E-06	5.83	58300	0.059	590
Other organic materials	4,4'-Oxydiphthalic Anhydride	1823-59-2	2.11 E-06	5.83	58300	0.059	590
Other organic materials	2-Hydroxyethyl Methacrylate	868-77-9	2.11 E-06	5.83	58300	0.059	590
Subtotal			3.61 E-05	100.0	1000000	1.01	10125

Package Totals	Weight (g)	Percentage (%)	PPM
	3.57 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.



ADI Proprietary