

Product / Package Information

Package	WLCSP
Body Size	
I/O Count	4
Terminal Finish	SnAgCu
MS Number	MS011033A

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	7.97 E-03	100.00	1000000	92.24	922391

Wafer Bumps

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	4.00E-04	95.50	955000	4.63	46260
Tin & its alloys	Silver	7440-22-4	1.68E-05	4.00	40000	0.19	1938
Tin & its alloys	Copper	7440-50-8	2.09E-06	0.50	5000	0.024	242
Subtotal			4.19E-04	100.00	1000000	4.84	48440

UBM

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	1.91 E-05	98.81	988144	0.22	2213
Other non-ferrous metals and alloys	Titanium	7440-32-6	2.30E-07	1.19	11856	0.003	27
Subtotal			1.94 E-05	100.00	1000000	0.22	2239

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Polyamic acid ester	Proprietary	1.27 E-04	54.55	545455	1.47	14689
Other organic materials	Ethyl lactate	97-64-3	6.35 E-05	27.27	272727	0.734	7344
Other organic materials	Tetraethylene glycol dimethacrylate	109-17-1	2.12 E-05	9.09	90909	0.245	2448
Others	Others	Proprietary	2.12 E-05	9.09	90909	0.245	2448
Subtotal			2.33E-04	100.0	1000000	2.69	26929

Package Totals	Weight (g)	Percentage (%)	PPM
	8.65 E-03	100	100000

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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