

Product / Package Information

Package	Bumped Chip
Body Size	
I/O Count	33
Terminal Finish	98.2Sn/1.8Ag
MS Number	MS012705A

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	2.22E-03	100.00	1000000	87.79	877851

Solder Plating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	1.17 E-04	98.20	982000	4.62	46244
Tin & its alloys	Silver	7440-22-4	2.14 E-06	1.80	18000	0.08	848
Subtotal			1.19E-04	100.00	1000000	4.71	47092

UBM

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Nickel and its alloys	Nickel	7440-02-0	1.96 E-05	47.62	476200	0.774	7738
Copper & its alloys	Copper	7440-50-8	1.61 E-05	39.23	392300	0.64	6375
Other non-ferrous metals and alloys	Titanium	7440-32-6	5.40 E-06	13.15	131500	0.214	2137
Subtotal			4.11E-05	100.00	1000000	1.62	16250

RDL

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	3.17 E-05	43.03	430300	1.25	12545
Other non-ferrous metals and alloys	Tungsten	7440-33-7	3.78 E-05	51.27	512730	1.49	14948
Other non-ferrous metals and alloys	Titanium	7440-32-6	4.20 E-06	5.70	56970	0.166	1661
Subtotal			7.37E-05	100.00	1000000	2.92	29154

Polyimide

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Polyimide1	Proprietary	3.89 E-05	51.82	518200	1.54	15366
Other organic materials	Polyimide2	Proprietary	3.61 E-05	48.18	481800	1.43	14287
Subtotal			7.50 E-05	100.00	1000000	2.97	29653

Package Totals			Weight (g) 2.53 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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