

Product / Package Information

Package	QSOP
Body Size	
Lead Count	24
Terminal Finish	100Sn
MS Number	

Environmental Information

RoHS Compliant	Yes
High Temperature Compliant	Yes
Halogen Free Compliant	Yes
REACH SVHC Compliant	Yes

Materials Declaration

Molding Compound

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Other inorganic materials	Silica	60676-86-0	6.36 E-02	86.9	869100	44.36		443611
Thermosets	Epoxy & Phenol Resin	Proprietary	9.35 E-03	12.8	127800	6.52		65232
Other inorganic materials	Carbon black	1333-86-4	2.27 E-04	0.3	3100	0.16		1582
Subtotal			7.31 E-02	100	1000000	51.04		510426

Leadframe

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Copper & its alloys	Copper	7440-50-8	5.82 E-02	96.20	962000	40.59		405933
Copper & its alloys	Nickel	7440-02-0	1.81 E-03	3.00	30000	1.27		12659
Copper & its alloys	Silicon	7440-21-3	3.93 E-04	0.65	6500	0.27		2743
Copper & its alloys	Magnesium	7439-95-4	9.07 E-05	0.15	1500	0.06		633
Subtotal			6.05 E-02	100.00	1000000	42.20		421968

Internal Leadframe Plating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Precious metals	Silver	7440-22-4	6.68 E-04	100.0	1000000	0.47		4659

External Leadframe Plating

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Tin & its alloys	Tin	7440-31-5	3.23 E-03	100.0	1000000	2.25		22543

Bond Wires

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Precious metals	Gold	7440-57-5	6.30 E-04	99.99	1000000	0.44		4397

Chip

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Other inorganic materials	Gallium Arsenide	1303-00-0	4.85 E-03	100.0	1000000	3.38		33819

Die Attach

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Precious metals	Silver	7440-22-4	2.92 E-04	93	930000	0.20		2035
Other organic materials	Gamma Butyrolactone	96-48-0	2.20 E-05	7	70000	0.02		153
Subtotal			3.14 E-04	100	1000000	0.22		2189

Package Totals	Weight (g)	Percentage (%)	PPM
	1.43 E-01	100.00	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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