

Product / Package Information	
Package	SOIC_N
Body Size	150_MIL
Lead Count	8
Terminal Finish	100Sn

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

Materials Declaration							
Mold Compound							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Thermosets	Epoxy Resin	85954-11-6	5.78E-03	10.89	108900	6.42	64220
Other inorganic materials	Fused Silica	60676-86-0	4.72E-02	88.86	888600	52.40	524020
Other organic materials	Carbon Black	1333-86-4	1.33E-04	0.25	2500	0.15	1474
Subtotal			5.31E-02	100.00	1000000	58.97	589714
Lead Frame							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious Metals	Copper	7440-50-8	3.44E-02	97.20	972000	38.23	382294
Precious Metals	Iron	7439-89-6	7.33E-04	2.07	20700	0.81	8141
Other inorganic materials	Phosphorous	7723-14-0	1.06E-05	0.03	300	0.01	118
Precious Metals	Silver	7440-22-4	2.23E-04	0.63	6300	0.25	2478
Other inorganic materials	Zinc	7440-66-6	2.48E-05	0.07	700	0.03	275
Subtotal			3.54E-02	100.00	1000000	39.33	393306
Chip							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Doped Silicon	7440-21-3	7.96E-04	100.00	1000000	0.88	8843
Subtotal			7.96E-04	100.00	1000000	0.88	8843
Die Attach							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Thermosets	Epoxy Resin	85954-11-6	1.56E-05	18.00	180000	0.02	173
Precious Metals	Silver	7440-22-4	7.11E-05	82.00	820000	0.08	790
Subtotal			8.67E-05	100.00	1000000	0.10	964
Wire							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious Metals	Gold	7440-57-5	1.22E-04	100.00	1000000	0.14	1351
Subtotal			1.22E-04	100.00	1000000	0.14	1351
Plating							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	5.24E-04	100.00	1000000	0.58	5822
Subtotal			5.24E-04	100.00	1000000	0.58	5822
Package Totals			Weight (g)			Percentage (%)	PPM
			9.00E-02			100.00	1000000

Control ID: MS012019PKG4220
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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