

**Product / Package Information**

Package	LFCSP - Sawn
Body Size (mm)	4 X 4 X 0.75 (2.6 EP)
Lead Count	20
Terminal Finish	100 Sn
MS Number	MS010798B

**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	9.63E-03	86.91	869100	26.11		261091
Thermosets	Epoxy & Phenol Resin	Proprietary	1.42E-03	12.78	127800	3.84		38393
Other inorganic materials	Carbon black	1333-86-4	3.44E-05	0.31	3100	0.09		931
Subtotal			1.11 E-02	100.00	1000000	30.04		300415

**Leadframe**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Copper & its alloys	Copper	7440-50-8	2.00 E-02	97.5	975000	54.30		543048
Copper & its alloys	Iron	7439-89-6	4.83 E-04	2.35	23500	1.31		13089
Copper & its alloys	Zinc	7440-66-6	2.47 E-05	0.12	1200	0.07		668
Copper & its alloys	Phosphorus	7723-14-0	6.17 E-06	0.03	300	0.02		167
Subtotal			2.06 E-02	100.00	1000000	55.70		556972

**Internal Leadframe Plating**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Precious metals	Silver	7440-22-4	4.61 E-04	100.0	1000000	1.25		12498

**External Leadframe Plating**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Tin & its alloys	Tin	7440-31-5	7.04 E-04	100.0	1000000	1.91		19088

**Bond Wires**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Precious metals	Gold	7440-57-5	3.49 E-04	99.0	990000	0.94		9449
Precious metals	Palladium	7440-05-3	3.52 E-06	1.0	10000	0.01		95
Subtotal			3.52 E-04	100.0	1000000	0.95		9544

**Chip**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Other inorganic materials	Doped Silicon	7440-21-3	3.02 E-03	100.0	1000000	8.18		81807

**Die Attach**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level		
				Percentage (%)	PPM	Percentage (%)	PPM	
Precious metals	Silver	7440-22-4	5.67 E-04	77.71	777100	1.54		15363
Thermoset	Epichlorohydrin-formaldehyde-phenol copolymer	9003-36-5	2.27 E-05	3.11	31100	0.06		615
Other organic materials	Epoxy resin, epichlorohydrin-dimer fatty acid	68475-94-5	2.27 E-05	3.11	31100	0.06		615
Other organic materials	Butyrolactone, gamma-	96-48-0	2.27 E-05	3.11	31100	0.06		615
Other organic materials	Poly(oxypropylene)diamine	9046-10-0	2.27 E-05	3.11	31100	0.06		615
Other organic materials	2,6-Diglycidyl phenyl allyl ether oligomer	Unassigned	2.27 E-05	3.11	31100	0.06		615
Other organic materials	Organosilane	TS ref# 10001	2.27 E-05	3.11	31100	0.06		615
Other inorganic materials	Copper(II) oxide	1317-38-0	2.27 E-05	3.11	31100	0.06		615
Other organic materials	Epoxy resin modifier	TS ref# 10038	3.79 E-06	0.52	5200	0.010		103
Subtotal			7.30 E-04	100.0	1000000	1.98		19770

<b>Package Totals</b>			<b>Weight (g)</b>	<b>3.69 E-02</b>		<b>Percentage (%)</b>	<b>100</b>	<b>PPM</b>	<b>1000000</b>
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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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