

**Product / Package Information**

Package	LFCSP_CAV
Body Size (mm)	5 X 5 X 1.25 (3.1 EP)
Lead Count	32
Terminal Finish	Ni_Pd_Au
MS Number	MS012689A

**Environmental Information**

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

**Materials Declaration**

Leadframe							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper(Cu)	7440-50-8	3.74E-02	97.83	978302	47.40	474031
Copper & its alloys	Iron(Fe)	7439-89-6	7.95E-04	2.08	20794	1.01	10075
Copper & its alloys	Phosphorus(P)	7723-14-0	3.84E-06	0.01	100	0.00	49
Copper & its alloys	Zinc(Zn)	7440-66-6	3.07E-05	0.08	804	0.04	389
Subtotal			3.82 E-02	100.00	1000000	48.45	484544

Mold compound							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Epoxy Resin	Trade secret	1.50 E-03	7.50	75000	1.90	19017
Other organic materials	Phenol Resin	Trade secret	6.00 E-04	3.00	30000	0.76	7607
Other organic materials	Silica(Amorphous) A	60676-86-0	1.50 E-02	75.00	750000	19.02	190168
Other organic materials	Silica(Amorphous) B	76361-86-9	2.84 E-03	14.20	142000	3.60	36005
Other organic materials	Carbon Black	1333-86-4	6.00 E-05	0.30	3000	0.08	761
Subtotal			2.00 E-02	100.00	1000000	25.36	253558

External Leadframe Plating							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Nickel & its alloys	Nickel	7440-02-0	1.54 E-04	88.89	888889	0.19	1947
Precious metals	Palladium	7440-05-3	1.54 E-05	8.89	88889	0.02	195
Precious metals	Gold	7440-57-5	3.84 E-06	2.22	22222	0.00	49
Subtotal			1.73 E-04	100.00	1000000	0.22	2190

Bond Wires							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Gold	7440-57-5	1.87 E-04	100.00	1000000	0.24	2371
Subtotal			1.87 E-04	100.00	1000000	0.24	2370.84

Chip							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Gallium Arsenide		9.72 E-04	100.0	1000000	1.23	12327

Die Attach							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Silver	7440-22-4	3.04 E-04	75.00	750000	0.39	3852
Other organic materials	diluent, proprietary	Not Available	2.03 E-05	5.00	50000	0.03	257
Other organic materials	epoxy, proprietary	Not Available	4.05 E-05	10.00	100000	0.05	514
Other organic materials	resin, proprietary	Not Available	4.05 E-05	10.00	100000	0.05	514
Subtotal			4.05 E-04	100.00	1000000	0.51	5136

Lid							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Glass oxide; Fiberglass continuous filament	65997-17-3	1.09 E-02	60.00	600000	13.81	138099
Other organic materials	Carbon black	1333-86-4	9.08 E-04	5.00	50000	1.15	11508
Other organic materials	Liquid crystal polymers	Proprietary	6.35 E-03	35.00	350000	8.06	80558
Subtotal			1.82 E-02	100.00	1000000	23.02	230165

Lid Attach							
Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other organic materials	Diethylene glycol monoethyl ether acetate	112-15-2	2.30 E-04	30.00	300000	0.29	2913
Other organic materials	Modified epoxy resin	Proprietary	1.84 E-04	24.00	240000	0.23	2330
Other organic materials	Silica, amorphous, treated	68909-20-6	2.30 E-04	30.00	300000	0.29	2913
Other organic materials	Epoxy resin	Unknown	6.13 E-05	8.00	80000	0.08	777
Other organic materials	Carbamate Resin	Unknown	1.91 E-05	2.50	25000	0.02	243
Other organic materials	Di-ester Resin	Proprietary	1.91 E-05	2.50	25000	0.02	243
Other organic materials	Surfactant	Proprietary	1.91 E-05	2.50	25000	0.02	243
Other organic materials	Substituted silane	Proprietary	3.83 E-06	0.50	5000	0.00	49
Subtotal			7.66 E-04	100.00	1000000	0.97	9709

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