

Materials Declaration

Package	LFCSP
Body Size	2 X 2 X 0.55 mm
LeadCount	8
Option	Halide-free, Pb-free

Molding Compound			
Substance	% of Compound	Weight (g)	PPM
Silica	80.80	2.07E-03	234522
Epoxy resin	9.00	2.30E-04	26122
Phenol Resin	5.00	1.28E-04	14512
Metal Hydroxide	5.00	1.28E-04	14512
Carbon Black	0.20	5.12E-06	580
Subtotal	100.00	2.56E-03	290249

Leadframe			
Substance	% of Leadframe	Weight (g)	PPM
Copper	96.20	5.19 E-03	588980
Nickel	3.00	1.62 E-04	18367
Silicon	0.65	3.51 E-05	3980
Magnesium	0.15	8.10 E-06	918
Subtotal	100.00	5.40 E-03	612245

Internal/External Leadframe Plating			
Substance	% of Plating	Weight (g)	PPM
Nickel	90.91	1.36 E-04	15461
Palladium	7.91	1.19 E-05	1344
Gold	1.19	1.78 E-06	202
Subtotal	100.00	1.50 E-04	17007

Bond Wires			
Substance	% of Wire	Weight (g)	PPM
Gold	100.0	5.00 E-05	5669

Chip			
Substance	% of Chip	Weight (g)	PPM
Doped Silicon	100.0	5.70 E-04	64626

Die Attach			
Substance	% of Die Attach	Weight (g)	PPM
Silica	70.0	6.30 E-05	7143
Resin	15.0	1.35 E-05	1531
Additive	10.0	9.00 E-06	1020
Bisphenol A Glycidylether	5.0	4.50 E-06	510
Subtotal		9.00 E-05	10204

Molding Compound		
Substance	PPM	Method
Lead	Not Detected	Draft IEC 62321- ICP-OES
Cadmium	Not Detected	Draft IEC 62321- ICP-OES
Mercury	Not Detected	Draft IEC 62321- ICP-OES
Chromium+6	Not Detected	Draft IEC 62321- UV-VIS
Polybrominated biphenyls (PBB)	Not Detected	Draft IEC 62321- GC-MSD
Polybrominated Diphenyl Ethers (PBDE)	Not Detected	Draft IEC 62321- GC-MSD

Die Attach 1		
Substance	PPM	Method
Lead	Not Detected	EPA 3052. ICP-AES
Cadmium	Not Detected	EPA 3052. ICP-AES
Mercury	Not Detected	EPA 3052. ICP-AES
Chromium+6	Not Detected	EPA 3060A & 7198A. UV-VIS.
Polybrominated biphenyls (PBB)	Not Detected	EPA Method 3540C/3541/3550C. GC/MS.
Polybrominated Diphenyl Ethers (PBDE)	Not Detected	EPA Method 3540C/3541/3550C. GC/MS.

Package Totals	
Weight (g)	PPM
8.82 E-03	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
 any inaccuracy of such information.



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