

Device Material Content

5555 NE Moore Ct. Hillsboro OR 97124

Package: 24 PDIP with SnPb Plating

(503) 268-8000 **Total Device Weight** 1.78 **Grams**

August, 2008	% of Total Pkg. Wt.	Weight (g)	% of Total Pkg. Wt.	Weight (g)	Substance	CAS#	Notes / Assumptions:
Die	0.53%	0.009			Silicon chip	7440-21-3	Die size: 3.0 x 2.7 x 0.50 mm
Mold	70.31%	1.252	60.26% 4.22% 4.22% 1.41% 0.21%	1.073 0.075 0.075 0.025 0.004	Silica Fused Epoxy Resin Phenol Resin Epoxy, Cresol Novolac Carbon black	60676-86-0 - - 29690-82-2 1333-86-4	2 to 8% Epoxy Resin (LSC uses 6% in our calculation). 2 to 8% Phenol Resin (LSC uses 6% in our calculation)
D/A Epoxy	0.05%	0.001	0.04% 0.01%	0.0007 0.0002	Silver-filled Epoxy Silver (Ag) other	7440-22-4	Die attach epoxy Density: 4 grams/cc (silver content: 60-100%; LSC uses 80% in our calculation)
Wire	0.06%	0.001			Gold (Au)	7440-57-5	1.2 mil wire diameter; 1 wire for each package lead; wire length 3 mm
Lead Plating	1.99%	0.035	1.69% 0.30%	0.030 0.005	Tin (Sn) Lead (Pb)	7440-31-5 7439-92-1	Nominal: 85% Sn, 15% Pb Thickness is 0.015mm
Leadframe	27.06%	0.482	26.37% 0.64% 0.03% 0.02%	0.469 0.011 0.0006 0.0003	Copper (Cu) Iron (Fe) Zinc (Zn) Phosphorus (P)	7439-89-6	Leadframe thickness is nominal (per Case Outline). 97.46% Cu 2.35% Fe 0.12% Zn 0.07% P

Notes

The values listed above are nominal values based on studies of representatives of this particular package type, and are believed to be as accurate as possible.

Constituent substances and proportions in epoxy materials are before curing.

The information provided above is representative of the package as of the date listed, and is subject to change at any time.

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