

# Material Composition Specification

## DFN5X6A Case



Device average mass . . . . . 75.1 mg  
 Fluctuation margin . . . . . +/-10%

Component	Material		Substance	CAS No.	Substance		
	Weight (mg)	(%wt)			(%wt-mg)	(%wt)	(ppm)
Lead Frame	23.47	31.25%	Ag	7440-22-4	0.2347	0.31251664	3125.166445
			Pb	7439-92-1	0.002347	0.003125166	31.25166445
			Zn	7440-66-6	0.02347	0.031251664	312.5166445
			P	7723-14-0	0.02347	0.031251664	312.5166445
			Fe	7439-89-6	0.53981	0.718788282	7187.882823
			Cu	7440-50-8	22.646203	30.15473103	301547.3103
Die	3.888	5.18%	Si	7440-21-3	3.88	5.177097204	51770.97204
Epoxy	3.514	4.68%	Epoxy A	Proprietary	0.003514	0.004679095	46.79094541
			C <sub>12</sub> H <sub>24</sub> O <sub>5</sub>	16096-31-4	0.3514	0.467909454	4679.094541
			Glycol	Proprietary	0.3514	0.467909454	4679.094541
			Ag	7440-22-4	2.807686	3.738596538	37385.96538
Cu Wire	3.522	4.69%	Au	7440-57-5	0.01761	0.023448735	234.4873502
			Pd	7440-05-3	0.098616	0.131312916	1313.129161
			Cu	7440-50-8	3.405774	4.534985353	45349.85353
Molding Compound	37.55	4.69%	C	1333-86-4	0.3755	0.5	5000
			Metal	Proprietary	1.8775	2.5	25000
			Silica B	7631-86-9	3.004	4	40000
			Silica A	60676-86-0	26.285	35	350000
			Phenol B	Proprietary	1.502	2	20000
			Phenol A	Proprietary	1.502	2	20000
			Epoxy B	Proprietary	1.502	2	20000
			Epoxy A	Proprietary	1.502	2	20000

R0 (13-March 2024)

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	Weight (mg)	(%wt)			(%wt-mg)	Wt%	(ppm)
Plating	3.156	4.20%	Cd	7440-43-9	0.000009468	1.26072E-05	0.126071904
			Al	7429-90-5	0.000003156	4.2024E-06	0.042023968
			Zn	7440-66-6	0.000003156	4.2024E-06	0.042023968
			Sb	7440-36-0	2.8404E-05	3.78216E-05	0.378215712
			Bi	7440-69-9	5.3652E-05	7.14407E-05	0.714407457
			Cu	7440-50-8	0.000009468	1.26072E-05	0.126071904
			Fe	7439-89-6	0.000025248	3.36192E-05	0.336191744
			As	7440-38-2	0.00001578	2.1012E-05	0.21011984
			Pb	7439-92-1	0.00011046	0.000147084	1.470838881
			Sn	7440-31-5	3.155741208	4.202052208	42020.52208
Total	75.1	100.00%	n/a	Proprietary	75.10	100.00	1000000.00

### Disclaimer

The information provided in this Material Composition data sheet is, to the best of our knowledge, correct. However, there is no guarantee to completeness or accuracy, as some information is derived from data sources outside the company.