

100% Material Declaration Data Sheet BG728 Package

Average Weight: 5.5000g

Component	Substance Description	CAS Number or Description	Percentage of Component	Use in Product	Component Weight/ Substance Weight (grams)	Component Percent of Total
Silicon Die					0.160945	2.926
	Silicon	7440-21-3	100.00		0.160945	
Die Attach Material					0.027741	0.504
	Silver	7440-22-4	77.50		0.021499	
	Bismaleimide Monomer	Trade Secret	15.00		0.004161	
	Acrylate Monomer	Trade Secret	7.50		0.002081	
Mold Compound					1.860907	33.835
	Epoxy Resin A	Trade Secret	3.00		0.055827	
	Epoxy Resin B	Trade Secret	3.00		0.055827	
	Phenol Resin A	Trade Secret	3.00		0.055827	
	Phenol Resin B	Trade Secret	3.00		0.055827	
	Metal Hydroxide	Trade Secret	1.50		0.027914	
	Carbon Black	1333-86-4	0.30		0.005583	
	Silica Fused	60676-86-0	70.90		1.319383	
	Silica Fused	7361-86-9	15.00		0.279136	
	Silica, Crystalline	14808-60-7	0.30		0.005583	
Gold Wire					0.020355	0.370
	Gold	7440-57-5	99.048		0.020161	
	Palladium	7440-05-3	0.950		0.000193	
	Calcium	7440-70-2	0.002		0.000000	
Solder Balls					1.408194	25.604
	Tin	7440-31-5	63.00		0.887162	
	Lead	7439-92-1	37.00		0.521032	

Component	Substance Description	CAS Number or Description	Percentage of Component	Use in Product	Component Weight/ Substance Weight (grams)	Component Percent of Total
Substrate					2.011857	36.761
	Copper	7440-50-8	58.44		1.181625	
	Nickel	7440-02-0	0.82		0.016484	
	Gold	7440-57-5	2.26		0.045649	
	Copper	7440-50-8	0.47		0.009551	
	Bismaleimide	13676-54-5	0.30		0.006000	
	Triazine	25722-66-1	0.89		0.017999	
	Epoxy Resin	9003-36-5	13.65		0.275989	
	Inorganic Filler	21645-51-2	0.89		0.017999	
	Fiberglass	65997-17-3	13.95		0.281989	
	Levelling Agents & Others	Trade Secret	0.13		0.002529	
	Phthalocyanine Green and Others	Trade Secret	0.03		0.000506	
	Amine Compound	Trade Secret	0.03		0.000674	
	Barium Sulfate	7727-43-7	2.28		0.046189	
	Aromatic Hydrocarbon	Trade Secret	0.63		0.012812	
	Diethylene Glycol Monoethyle Ether Acetate	Trade Secret	0.97		0.019554	
	Dipropylane Glycol Mono Methyl Ether	Trade Secret	0.43		0.008597	
	Aromatic Carbonyl Compound	Trade Secret	0.22		0.004383	
Acrylic Esters Monomer	Trade Secret	0.37		0.007417		
Epoxy Resin	Trade Secret	3.26		0.065912		

Revision History

The following table shows the revision history for this document.

Date	Version	Description of Revisions
09/07/10	1.0	Initial Xilinx release.

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