



100% Material Declaration Data Sheet BFG957

PK185 (v1.0) September 21, 2006

Material Declaration Data Sheet

Average Weight: 18.0000 g

Component	Substance Description	CAS# or Description	% of Component	Use in Product	Component Weight/ Substance Weight (in grams)	Component % of Total
Silicon Die					0425830	2.366%
	Silicon	7440-21-3	100.00		0.425830	
Solder Bump					0.010000	0.056%
	Tin	7440-31-5	63.00		0.006300	
	Lead	7439-92-1	37.00		0.037000	
Underfill					0.071000	0.394%
	Silica	60676-86-0	70.00		0.049700	
	Epoxy Resin A	9003-36-5	20.00		0.014200	
	Epoxy Resin B	25068-38-6	3.00		0.002130	
	Hardener	19900-65-3	7.00		0.004970	
Heat Spreader					11.000000	61.111 %
	Copper	7440-50-8	98.00		10.780000	
	Chromium	7440-47-3	2.00		0.220000	
Heat Spreader Adhesive					0.085000	0.472%
	Silica and other filler materials	Proprietary	70.00		0.059500	
	Polymetric Resin		27.00		0.022950	
	Silane compound		3.00		0.002550	
Substrate					4.783460	26.575%
	Copper	7440-50-8	41.40	Metal Layer	1.980352	
	Nickel	7440-02-0	0.81	Metal Layer	0.038746	
	Gold	7440-57-5	0.18	Metal Layer	0.008610	
	Glass Fiber	N/A	4.17		0.199470	
	Halogen Fire Retardant	N/A	6.24		0.298488	
	BT (core)	N/A	33.30		1.592892	
	Solder Mask	N/A	13.90		0.664901	
Solder Balls					1.624710	9.026 %
	Tin	7440-31-5	95.50		1.551598	
	Ag	7440-02-0	4.00		0.064988	
	Copper	7440-50-8	0.50		0.008124	

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Xilinx believes this environmental information to be correct, but cannot guarantee its completeness or accuracy as it is based on data received from sources outside our company.

Revision History

The following table shows the revision history for this document.

Date	Revision	Revision
9/21/06	1.0	Initial release.