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AMD

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100% Material Declaration Data Sheet for Spartan UltraScale+ SBVB625

Average Weight : 1.1084 g

Component	Substance Description	CAS # or Description	% of component	Use in product	Component weight / substance weight (in grams)	Component % of total
Silicon die 1					**0.044619**	**4.026%**
	Silicon	7440-21-3	100.00	basis	0.044619	
Bump					**0.002291**	**0.207%**
	Tin	7440-31-5	98.20	basis	0.002250	
	Silver	7440-22-4	1.80	basis	0.000041	
Underfill					**0.010000**	**0.902%**
	Bisphenol F type liquid epoxy resin	9003-36-5	20.00	basis	0.002000	
	1,6-Bis(2,3-epoxypropoxy)naphthalene	27610-48-6	5.00	basis	0.000500	
	Amine type hardener	trade secret	7.50	basis	0.000750	
	Silicon dioxide	60676-86-0	61.50	filler	0.006150	
	Carbon black	1333-86-4	1.00	color agent	0.000100	
	Additives	trade secret	5.00	additives	0.000500	
Solder ball					**0.302143**	**27.260%**
	Tin	7440-31-5	96.50	Main material	0.291568	
	Silver	7440-22-4	3.00	Main material	0.009064	
	Copper	7440-50-8	0.50	Main material	0.001511	
Substrate					**0.749307**	**67.605%**
	Copper	7440-50-8	54.10		0.405412	
	Gold	7440-57-5	0.01		0.000096	
	Palladium	7440-05-3	0.01		0.000040	
	Nickel	7440-02-0	0.60		0.004516	
	Tin	7440-31-5	0.06		0.000410	
	Core	trade secret	25.09		0.188021	
	ABF	trade secret	17.59		0.131771	
	Solder Mask	trade secret	2.54		0.019041	

Revision History

Date	Version	Description of Revisions
8/5/2025	1.0	Initial AMD Release.

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