



PK650 (v1.0) May 5, 2014

# 100% Material Declaration Data Sheet for 7 Series CSG325 Package

**Average Weight: 0.6730 g**

Component	Substance Description	CAS Number or Description	Percentage of Component	Use in Product	Component Weight/ Substance Weight (grams)	Component Percent of Total
Silicon Die					<b>0.027377</b>	<b>4.068</b>
	Silicon	7440-21-3	100.00		0.027377	
Die Attach					<b>0.008562</b>	<b>1.272</b>
	Silver	7440-22-4	77.50		0.006636	
	Bismaleimide monomer	Trade Secret	15.00		0.001284	
	Acrylate monomer	Trade Secret	7.50		0.000642	
Mold Compound					<b>0.285271</b>	<b>42.388</b>
	Epoxy Resin	Trade secret	5.00		0.014264	
	Phenol Resin	Trade secret	3.00		0.008558	
	Phenol Novolac	9003-35-4	3.00		0.008558	
	Metal Hydroxide	Trade Secret	3.00		0.008558	
	Carbon black	1333-86-4	0.30		0.000856	
	Silica fused	60676-86-0	70.40		0.200830	
	Silica Dioxide	7631-86-9	15.00		0.042791	
Silica, crystalline	14808-60-7	0.30		0.000856		
Copper Wire					<b>0.004921</b>	<b>0.731</b>
	Copper	7440-50-8	98.20		0.004832	
	Palladium	7440-05-3	1.80		0.000089	
Solder Ball					<b>0.114185</b>	<b>16.966</b>
	Tin	7440-31-5	96.50		0.110188	
	Silver	7440-22-4	3.00		0.003426	
	Copper	7440-50-8	0.50		0.000571	

© Copyright 2014 Xilinx, Inc. XILINX, the Xilinx logo, Virtex, Spartan, ISE, and other designated brands included herein are trademarks of Xilinx in the United States and other countries. All other trademarks are the property of their respective owners

**100% Material Declaration Data Sheet for 7 Series CSG325 Package**

Component	Substance Description	CAS Number or Description	Percentage of Component	Use in Product	Component Weight/ Substance Weight (grams)	Component Percent of Total
<b>Substrate</b>					<b>0.232687</b>	<b>34.574</b>
	Copper	7440-50-8	15.70		0.036532	
	Nickel	7440-02-0	6.80		0.015823	
	Gold	7440-57-5	0.81		0.001885	
	Glass fiber	65997-17-3	20.14		0.046863	
	Non halogen fire retardant	NA	0.01		0.000023	
	BT core	105391-33-1 25722-66-1 9003-36-5 21645-51-2 7440-50-8	46.11		0.107292	
Solder mask	147-14-8 7727-43-7 7631-86-9 14807-96-6 112-15-2 34590-94-8 103429-90-9 64742-94-5 25551-13-7	10.43		0.024269		

## Revision History

The following table shows the revision history for this document.

Date	Version	Description of Revisions
05/05/2014	1.0	Xilinx Initial Release

---

## Notice of Disclaimer

Xilinx regards this materials data to be correct but makes no guarantee as to its accuracy or completeness, including, but not limited to, with respect to its compliance with applicable environmental laws and regulations. Xilinx subcontracts the production, test and assembly of hardware devices to independent third-party vendors and materials suppliers (“Contractors”). All data provided hereunder is based on information received from Contractors. Xilinx has not independently verified the accuracy or completeness of this information which is provided solely for your reference in connection with the use of Xilinx products.