



PK948 (v1.1) January 22, 2018

100% Material Declaration Data Sheet for Artix-7 CPG238

Average Weight : 0.2720 g

Component	Substance Description	CAS # or Description	% of component	Use in product	Component weight / substance weight (in grams)	Component % of total
Silicon die					0.011504	4.229%
	Silicon	7440-21-3	100.00		0.011504	
Die Attach Material					0.003027	1.113%
	Silver	7440-22-4	74.00		0.002240	
	Bismaleimide monomer	trade secret	15.00		0.000454	
	Methacrylate resin	trade secret	7.50		0.000227	
	Additive	trade secret	3.00		0.000091	
	proprietary	trade secret	0.50		0.000015	
Mold Compound					0.127798	46.985%
	Epoxy Resin	Trade secret	7.50		0.009585	
	Phenol Resin A	9003-35-4	3.00		0.003834	
	Phenol Resin B	Trade secret	3.00		0.003834	
	Silica(Amorphous) A	60676-86-0	67.95		0.086839	
	Silica(Amorphous) B	7631-86-9	15.00		0.019170	
	Metal Hydroxide	Trade secret	3.00		0.003834	
	Carbon black	1333-86-4	0.55		0.000703	
Copper Wire					0.002298	0.845%
	Copper	7440-50-8	98.08		0.002254	
	Palladium	7440-05-3	1.80		0.000041	
	Gold	7440-57-5	0.12		0.000003	
Solder Ball					0.024684	9.075%
	Tin	7440-31-5	98.50		0.024314	
	Silver	7440-22-4	1.00		0.000247	
	Copper	7440-50-8	0.50		0.000123	
Substrate					0.102689	37.753%
	Gold	7440-57-5	0.22		0.000227	
	Nickel	7440-02-0	2.04		0.002092	
	Copper Foil	7440-50-8	3.99		0.004098	
	Copper plating	7440-50-8	22.62		0.023225	
	Continuous Filament Fiber Glass	65997-17-3	24.11		0.024757	
	BT Core	Trade secret	32.35		0.033220	
	PP	N/A	7.72		0.007931	
	Solder mask	Trade secret	6.95		0.007138	

Revision History

Date	Version	Description of Revisions
1/18/2018	1.0	Initial Xilinx release.
1/22/2018	1.1	Up dated title

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.