

BCN104AB summary material content, BI Technologies Corporation 6/21/06

Average mass of BCN104AB array is 0.002 grams each. Scientific notation is used for all component masses.

Homogeneous

Material Location	Homogeneous Material Name	Material name	CAS #	Weight per unit (grams)	Tolerance (% of homogenous material mass)	Special classification
Substrate	Alumina	Aluminium trioxide	1344-28-1	1.642E-03	96.45%	
		Magnesium oxide	1309-48-4	1.900E-05	1.11%	
		Silicon dioxide	14808-60-7	3.600E-05	2.09%	
		Calcium oxide	1305-78-8	6.000E-06	0.35%	
Thick film	Metals and Oxides	Boron trioxide	1303-86-2	1.700E-05	10.37%	
		Bismuth trioxide	1304-76-3	1.000E-06	0.59%	
		Chromium(III) oxide	1308-38-9	1.000E-06	0.74%	
		Antimony trioxide	1309-64-4	1.000E-07	0.06%	
		Manganese(IV) oxide	1313-13-9	1.000E-06	0.91%	
		Zinc oxide	1314-13-2	1.000E-06	0.40%	
		Vanadium(V) oxide	1314-62-1	2.000E-07	0.12%	
		Lead(II) oxide	1317-36-8	4.700E-05	28.66%	PbO in thick film glass. Lead in glass of electronic components is exempted from RoHS Directive.
		Copper oxide	1317-38-0	2.000E-06	1.12%	
		Aluminium trioxide	1344-28-1	4.000E-06	2.71%	
		Ruthenium(IV) oxide	12036-10-1	3.000E-06	1.67%	
		Silicon dioxide	14808-60-7	1.700E-05	10.49%	
		Palladium	7440-05-3	2.000E-06	1.52%	
		Silver	7440-22-4	6.600E-05	40.44%	
rest		3.000E-07	0.20%	claimed as non-hazardous		
Termination	Plating	Nickel	7440-02-0	7.400E-05	55.00%	
		Tin	7440-31-5	6.100E-05	45.00%	