

**BCN164AB summary material content, BI Technologies Corporation 6/21/06**

Average mass of BCN168AB array is 0.007 grams each. Scientific notation is used for all component masses.

Homogeneous					Tolerance (% of	
Material	Homogeneous			Weight per unit	homogenous	
Location	Material Name	Material name	CAS #	(grams)	material mass)	Special classification
Substrate	Alumina	Aluminium trioxide	1344-28-1	5.870E-03	96.45%	
		Magnesium oxide	1309-48-4	6.800E-05	1.11%	
		Silicon dioxide	14808-60-7	1.270E-04	2.09%	
		Calcium oxide	1305-78-8	2.100E-05	0.35%	
Thick film	Metals and Oxides	Boron trioxide	1303-86-2	5.300E-05	10.56%	
		Bismuth trioxide	1304-76-3	4.000E-06	0.80%	
		Chromium(III) oxide	1308-38-9	4.000E-06	0.79%	
		Antimony trioxide	1309-64-4	3.100E-07	0.06%	
		Manganese(IV) oxide	1313-13-9	5.000E-06	1.01%	
		Zinc oxide	1314-13-2	2.000E-06	0.47%	
		Vanadium(V) oxide	1314-62-1	1.000E-06	0.16%	
		Lead(II) oxide	1317-36-8	1.540E-04	30.52%	PbO in thick film glass. Lead in glass of electronic components is exempted from RoHS Directive.
		Copper oxide	1317-38-0	6.000E-06	1.28%	
		Aluminium trioxide	1344-28-1	1.600E-05	3.14%	
		Ruthenium(IV) oxide	12036-10-1	9.000E-06	1.85%	
		Silicon dioxide	14808-60-7	5.400E-05	10.72%	
		Palladium	7440-05-3	8.000E-06	1.64%	
		Silver	7440-22-4	1.860E-04	36.75%	
rest		1.000E-06	0.25%	claimed as non-hazardous		
Termination	Plating	Nickel	7440-02-0	1.700E-04	55.00%	
		Tin	7440-31-5	1.390E-04	45.00%	