

BCN164ABI summary material content, BI Technologies Corporation 6/21/06

Average mass of BCN164ABI array is 0.010 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	8.658E-03	96.45%	
		Magnesium oxide	1309-48-4	1.000E-04	1.11%	
		Silicon dioxide	14808-60-7	1.880E-04	2.09%	
		Calcium oxide	1305-78-8	3.100E-05	0.35%	
Thick film	Metals and Oxides	Boron trioxide	1303-86-2	6.400E-05	10.46%	
		Bismuth trioxide	1304-76-3	9.000E-06	1.43%	
		Chromium(III) oxide	1308-38-9	5.000E-06	0.89%	
		Antimony trioxide	1309-64-4	4.100E-07	0.07%	
		Manganese(IV) oxide	1313-13-9	8.000E-06	1.24%	
		Zinc oxide	1314-13-2	4.000E-06	0.62%	
		Vanadium(V) oxide	1314-62-1	2.000E-06	0.29%	
		Lead(II) oxide	1317-36-8	1.840E-04	29.83%	PbO in thick film glass. Lead in glass of electronic components is exempted from RoHS Directive.
		Copper oxide	1317-38-0	8.000E-06	1.24%	
		Aluminium trioxide	1344-28-1	1.700E-05	2.84%	
		Ruthenium(IV) oxide	12036-10-1	1.200E-05	1.99%	
		Silicon dioxide	14808-60-7	6.600E-05	10.74%	
		Palladium	7440-05-3	1.100E-05	1.80%	
		Silver	7440-22-4	2.220E-04	36.08%	
rest			3.000E-06	0.48%	claimed as non-hazardous	
Termination	Plating	Nickel	7440-02-0	1.690E-04	55.00%	
		Tin	7440-31-5	1.380E-04	45.00%	