

TABLE 2. BGA density levels.

LEAD PART	MINIMUM (LEAST) DENSITY LEVEL C	MEDIAN (NOMINAL) DENSITY LEVEL B	MAXIMUM (MOST) DENSITY LEVEL A
Periphery collapsing ball	15% reduction below nominal ball diameter	20% reduction below nominal ball diameter	25% reduction below nominal ball diameter
Periphery non-collapsing ball or column	5% increase above nominal ball or column diameter	10% increase above nominal ball or column diameter	15% increase above nominal ball or column diameter
Round-off factor	Round off to the nearest two place decimal, i.e., 1.00, 1.05, 1.10, 1.15		
Courtyard excess	0.50	1.00	2.00

Note: Ball Grid Array (BGA) construction and land pattern development are described in 14.1 and 14.4. Column Grid Array (CGA) construction and land pattern development are described in 14.1.3 and 14.4.