

TABLE 1. Standard BGA design guidelines, IPC 6012B Class 2.

DRILL	PAD	ANTI-PAD	THICKNESS	ASPECT RATIO
.006" (.152 mm)	.016" (.406 mm)	.026" (.660 mm)	up to .039" (.990 mm)	6.5:1
.008" (.203 mm)	.018" (.457 mm)	.028" (.711 mm)	up to .062" (1.575 mm)	7.75:1
.010" (.254 mm)	.020" (.508 mm)	.030" (.762 mm)	up to .100" (2.54 mm)	10:1
.012" (.304 mm)	.022" (.558 mm)	.032" (.812 mm)	up to .120" (3.04 mm)	10:1
.0135" (.342 mm)	.024" (.609 mm)	.034" (.863 mm)	up to .135" (3.429 mm)	10:1