

TABLE 2. Standard BGA design guidelines, IPC 2221A and 6012B Class 2.

DRILL	PAD	ANTI-PAD	THICKNESS	ASPECT RATIO
.15 mm (.0059")	.4 mm (.0157")	.65 mm (.02559")	up to 1 mm (.03937")	6.5:1
.2 mm (.0078")	.45 mm (.0177")	.7 mm (.02755")	up to 1.575 mm (.062")	7.75:1
.25 mm (.0098")	.5 mm (.01968")	.75 mm (.0295")	up to 2.54 mm (.100")	10:1
.3 mm (.0118")	.55 mm (.02165")	.8 mm (.03149")	up to 3.048 mm (.120")	10:1
.345 mm (.0135")	.6 mm (.0236")	.85 mm (.0334")	up to 3.4 mm (.1338")	10:1