



Surface Finish	Cu/Au/Ag/OSP (Nominal in Hole)	Ni (Nominal in Hole)	Pd (Nominal in Hole)
Copper Plating	.001 in. (Cu)	-	-
ENIG	2 - 4 in (Au)	130 - 200 in	-
ENEPIG	1 - 3 in (Au)	130 - 200 in	3 - 6 in
Immersion Silver	6 - 18 in (Ag)	-	-
Gold Flash	5 - 10 in (Au)	200 - 400 in	-
Standard Hard Gold	50 in (Au)	200 - 400 in	-
Soft Gold	< 60 in (Au)	-	-
OSP (Entek)	3 - 6 in (OSP)	-	-

HASL (Finish Rules)	Element	Size
	Maximum panel size	18x24" [Horizontal] 21x24" [Vertical]
	After HASL minimum finished hole tolerance	+/- 3 mils
	Drill hole Compensation	5 - 6 mils
	Maximum board finished thickness	200 mils [Horizontal] 140 mils [Vertical]
	Minimum Hole size	16 mils [Horizontal] 20 mils [Vertical]