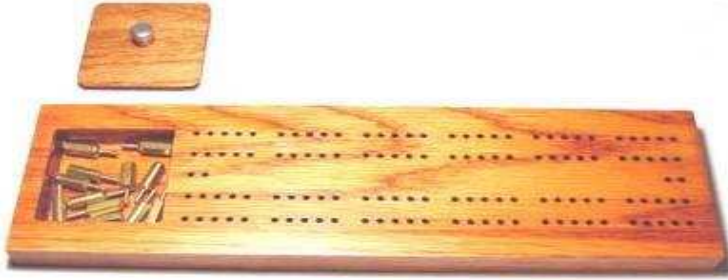


CAD Makes CNC Drilling Easy

By Bob Adams

This is the Project a Cribbage Board



Drawing layout is used to drill the 124 (0.125 Dia.) holes for the pins. You could layout all 124 holes and drill it by hand or you can CNC it. I prefer to use a CNC gcode program to drill the holes for me.

To start:

In the lower left hand corner 0,0

Draw a Rectangle 12" by 3 1/2"

Add the 1 3/4" Centerline for the part.

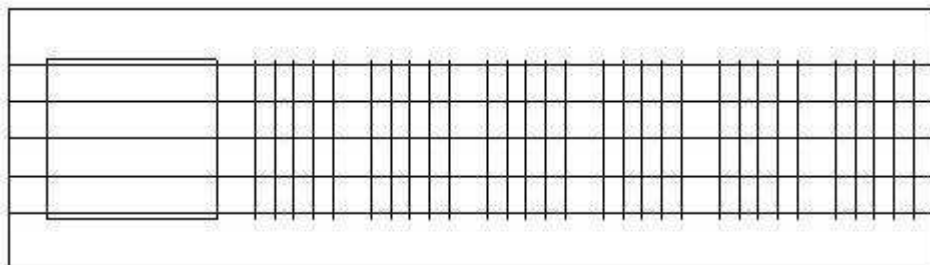
Draw a Square 2 3/16" by 2 3/16" by

1/2" in from the X edge on the Centerline



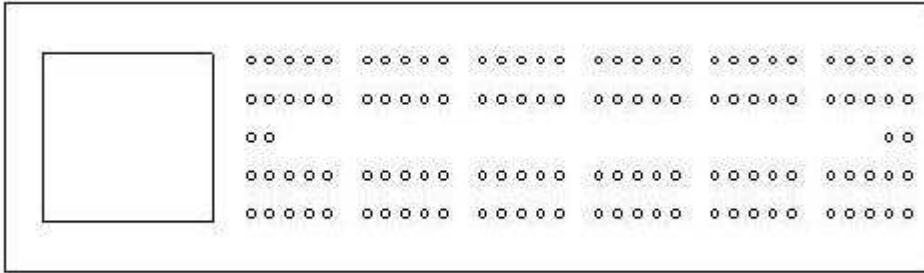
Next:

Draw Horizontal parallel lines a 1/2" apart from the Centerline.



Next:

Draw Vertical parallel lines a 1/4" apart, starting 1/2" from the edge of the Square.



Next:

Draw a 1/8" Dia. Circle, at each center point as shown.

Delete all the lines as shown.

Any CAD program that has a Point function can be used for CNC.

Using the CAD Point function looks like this.



Click on each Circle to establish the XY points in the order you want to drill them.

Starting with the Top row first, the last Circle on the right.

Working your way, down and up until all points have been done.

Save the drawing, as CribPoints.dxf in AutoCad R12 format.

Using a DXF to Gcode Conversion program, to drill the holes and cut the Square pocket.

Here's a link to:

<http://www.cad2gcode.com/>

Check out the CNC projects too.

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