

Rack Mount Wood Board

NIST



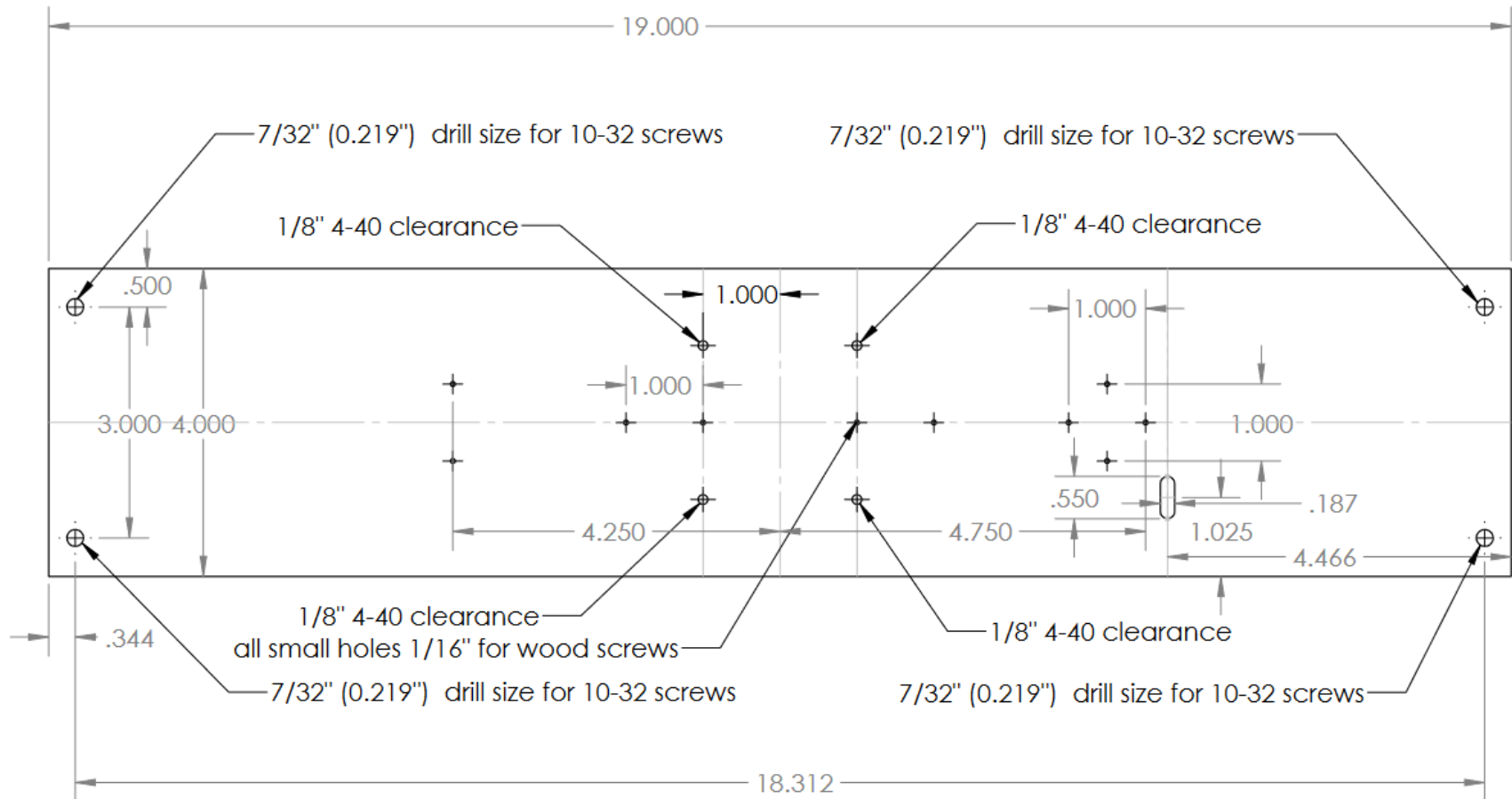
MEMSDuino

Lafe Spietz

NIST

2024

1/2 thick white oak board



rack-mount-board

Slightly more than 2U Blank Rack Panel




Drill bits to use


- 1/16" bit: pilot holes and holes for wood screws.
- 1/8" bit: through holes for 4-40 screws
- 7/32" for 10-32 thumb screw clearance holes
- 5/32" to mill out slot for 4 wire header cable




4"x24"x0.5" White Oak Boards






Project Ready Wood | Plywood | Lumber | 
Turning Blanks | Pen Blanks | Handpicked |

You are here: [Project Ready Wood](#) >> [White Oak](#) >> **1/2" White Oak 4" wide 24" long**




1/2" White Oak 4" wide 24" long
\$5.40
[Add to Cart](#)


White Oak is naturally rot-resistant and strong. These qualities make it a good choice for outdoor use. White Oak has traditionally been used to make railroad ties, fence posts, ships, and whiskey barrels.
White Oak usually has a finer texture and more patterned grain than [Red Oak](#).
See [Quarter Sawn White Oak](#) for a more stable option with straighter grain.

Project Ready These thin wood sheets are perfect for scroll sawing, laser cutting and engraving, thick veneers, and much more. Our Project Ready White Oak boards are kiln dried and surfaced and sanded to 150 grit on two sides.

Sizes are exact | This is all solid White Oak hardwood, not plywood, and is not glued. | 100% satisfaction guaranteed.

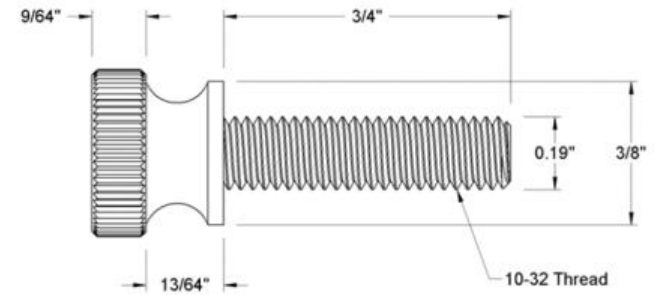
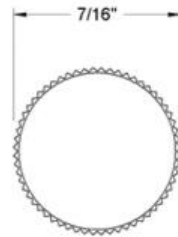
Item Specifications 

Thickness (height)	Width	Length	Weight
0.5 inches	4 inches	24 inches	1.304 lbs

Surfacing: Sanded to 150 grit on two sides.

<https://ocoochhardwoods.com/detail/?i=124wo>

Knurled Brass Thumb Screws to Mount in Panel



<https://www.mcmaster.com/92421A645/>

Rack Mount Nuts



Quality Products. Service Excellence.

10-32 Rack Rail Clip Nuts 1421N Series



Clip Nuts (Also known as Speed nuts or Timmerman nuts) are a great alternative to **Cage Nuts** and have many more uses. Whether your rack has non-threaded round holes or square, clip nuts are an easier solution to speed up your installation.

Features

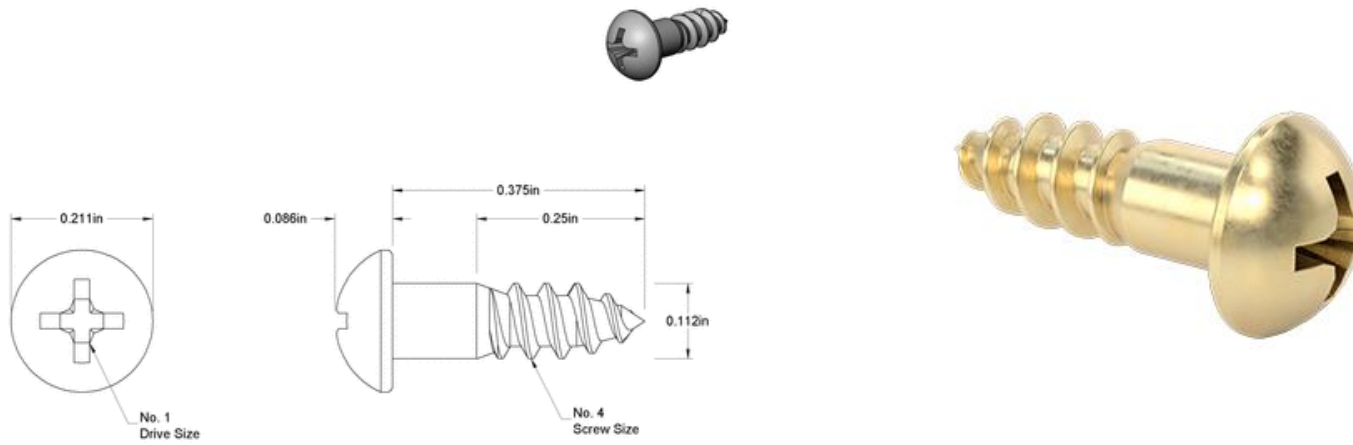
- 10-32 clip nuts for non-threaded rack rails.
- Heat-treated by means of austempering.
- Available in black or plated steel finish.
- Ships in a clam shell or resealable jar, depending on quantity.

Specifications

- Constructed of SAE 1050-1065 spring steel.
- Recommended torque spec 31.4 +/- 20% inch-lbs
- For use with 0.069-0.079" panel thickness.
- Hardness: HRC 38-42.
- Maximum load rating will vary depending on rail mounting and cabinet load rating.
- 1421NP are zinc plated CR3.

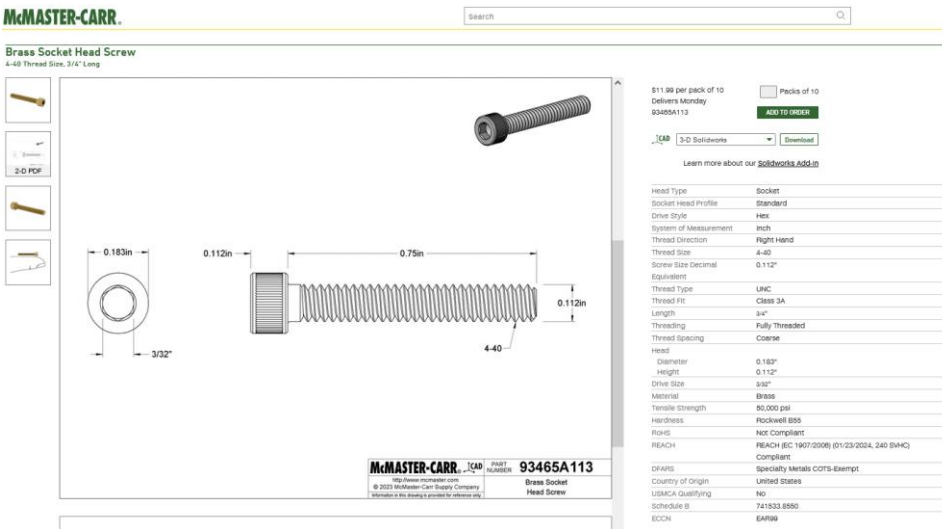
<https://www.mouser.com/ProductDetail/Hammond-Manufacturing/1421NP25?qs=yc9RBI4tIALvGirsWAVfbg%3D%3D>

Wood screws

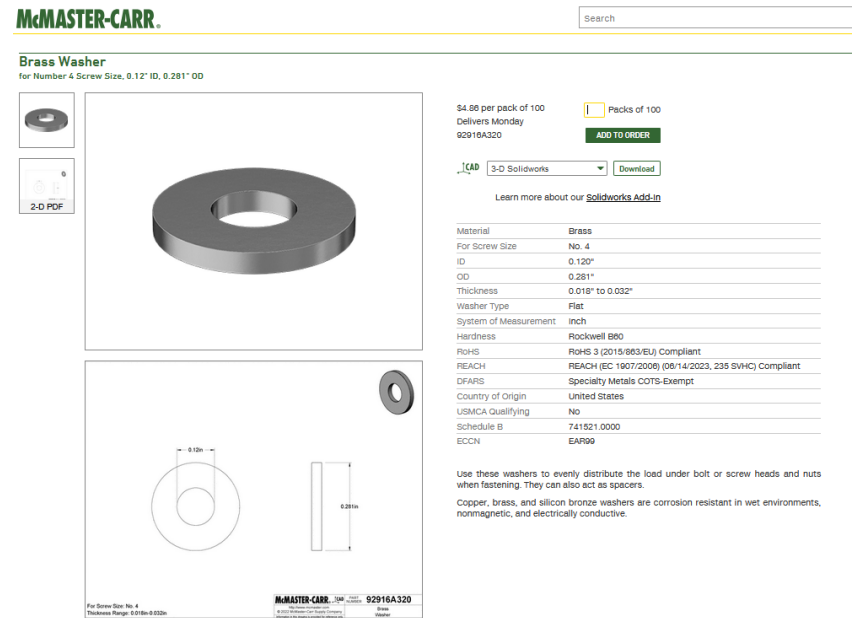


<https://www.mcmaster.com/98685A540/>

4-40 Brass screws and washers

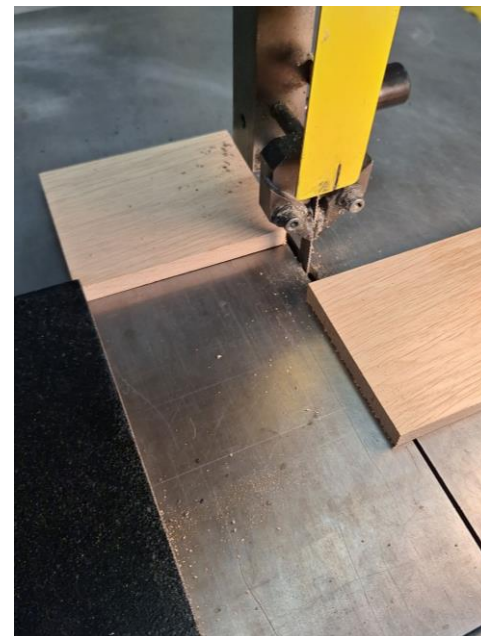
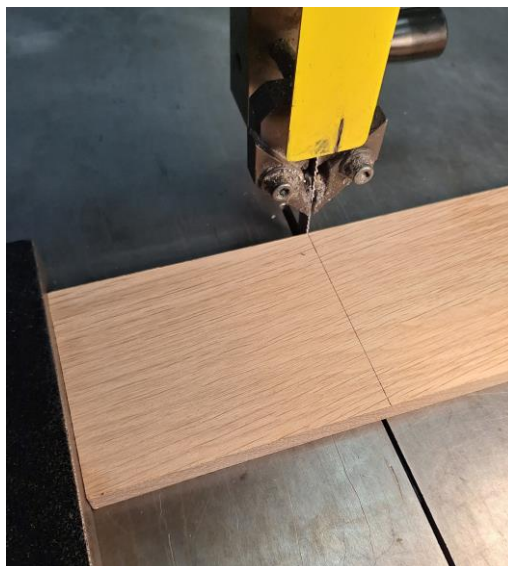


<https://www.mcmaster.com/93465A113/>



<https://www.mcmaster.com/92916A320/>

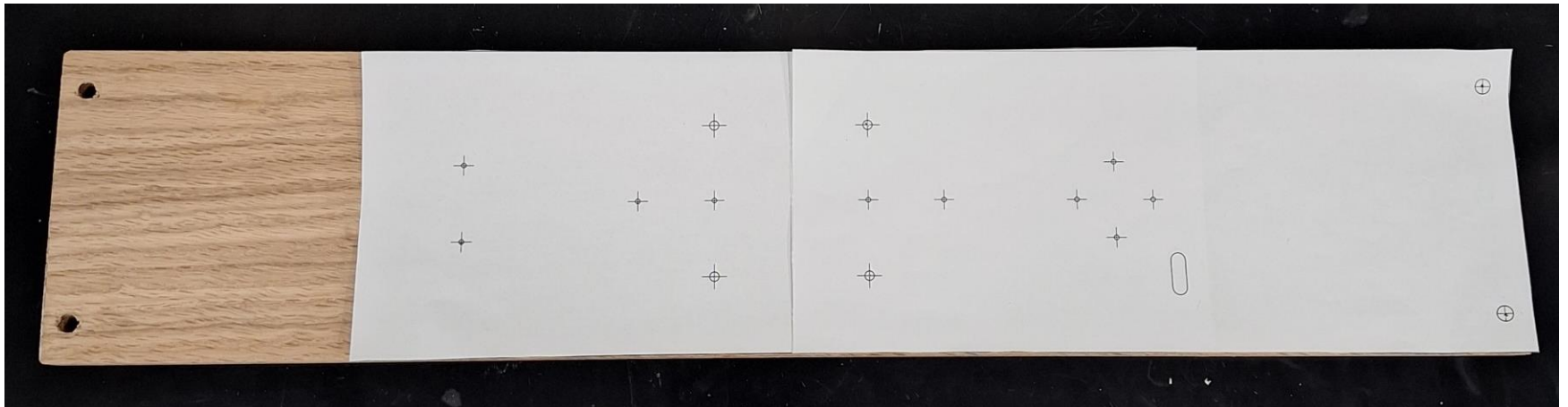
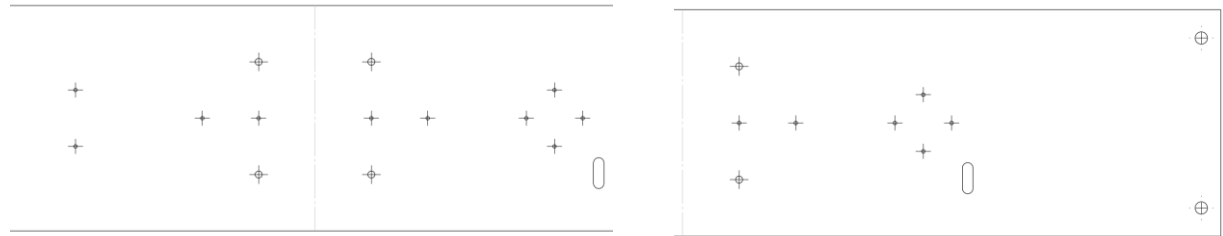
Cut board off at 19 inches



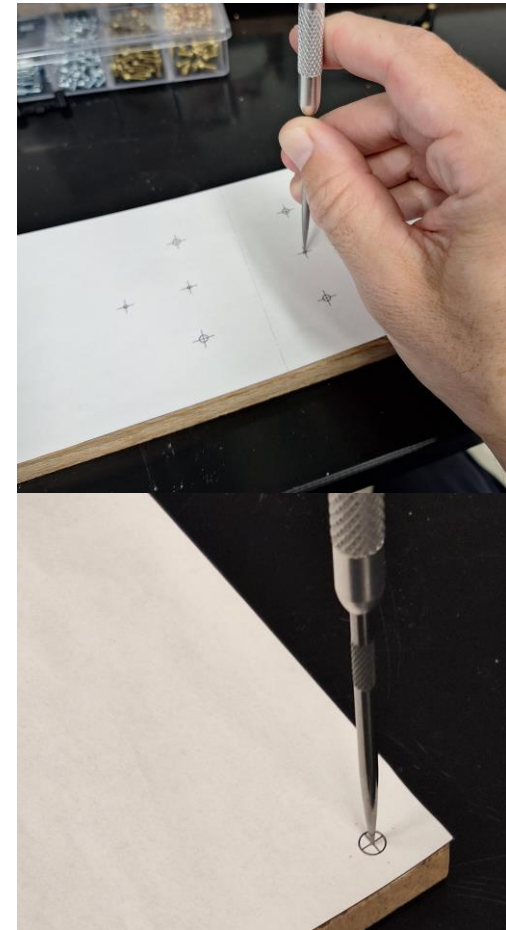
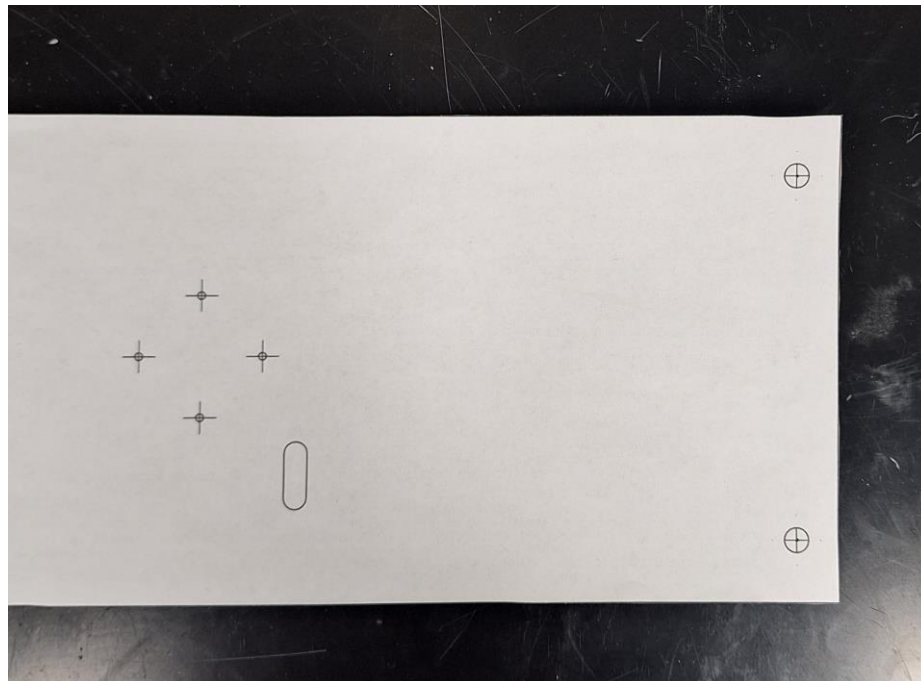
Sand or file edges



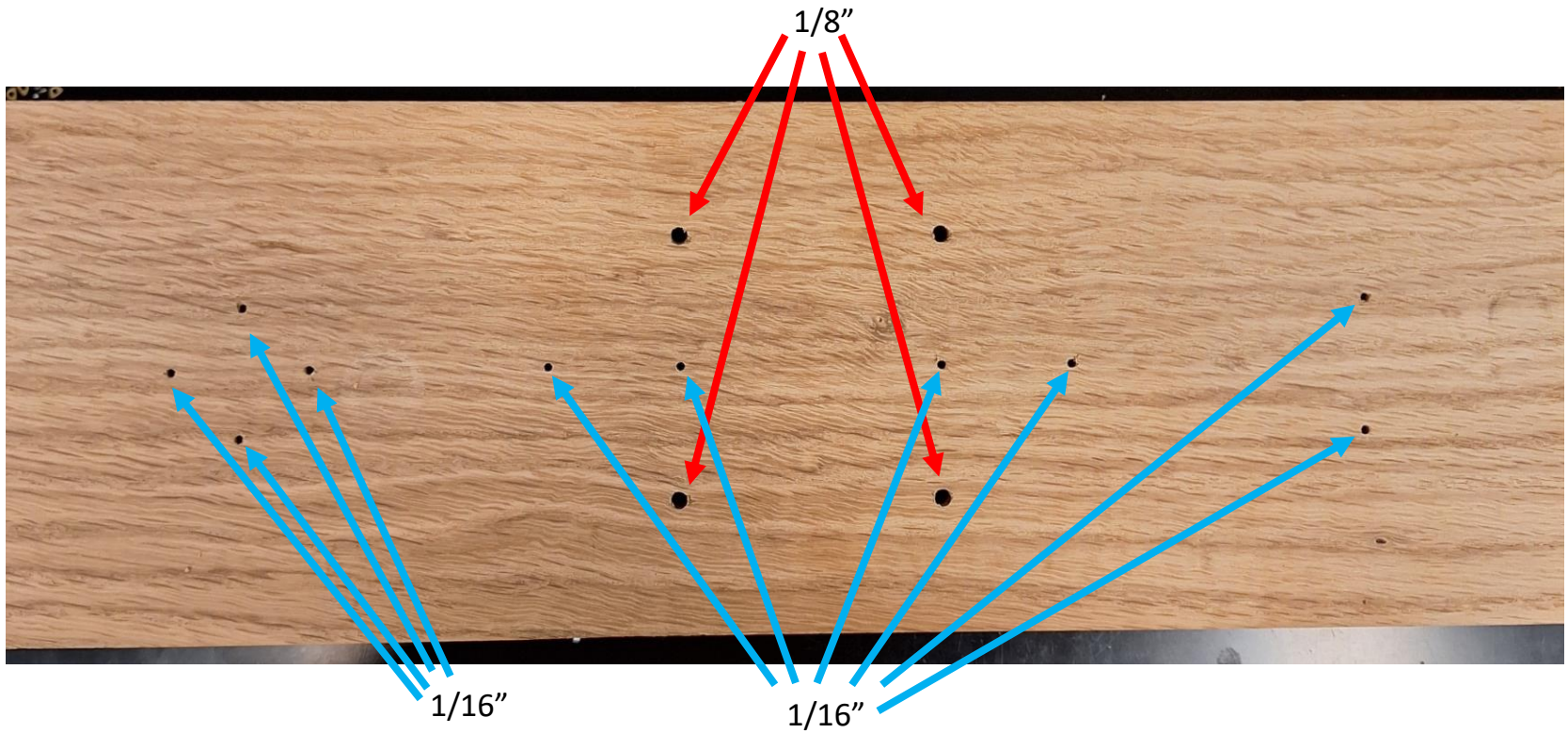
Print Templates And use for Hole Punches



Punch hole locations with sharp object



Drill pattern in center of board



Rack, nut and thumb screw detail





Hand-drilled cutout for 4 pin connector



Full assembly with Bud Box and 3d printed parts

