

Mid Century Modern Nixie clock

Technical drawings

Revision 1.0



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Preface

We tried to make construction of this clock as simple as possible, while maintaining style and design. So, all drawings are 2D and provided in vector format at 1:1 scale, so you can easily import them in your machine software, or just print with printer, glue printout to wood and cut it using saw.

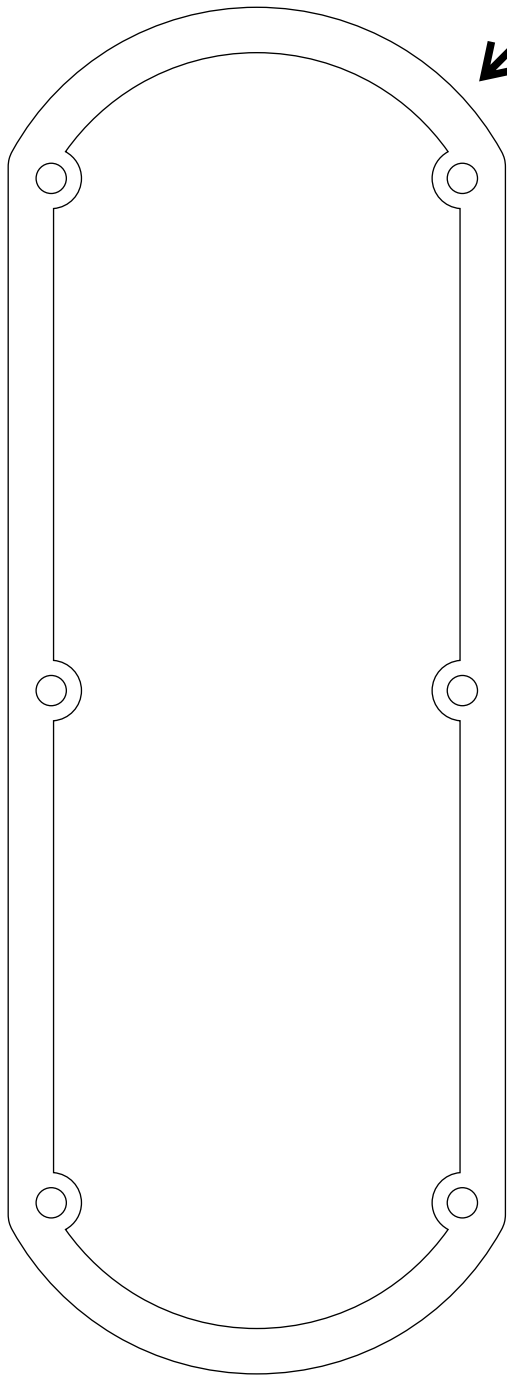
All drawings have additional textual information regarding material thickness, processing methods or any other supplemental info you have to know about it.

Enjoy your DIY and let us know your results, it is really very important for us.

Sincerely,

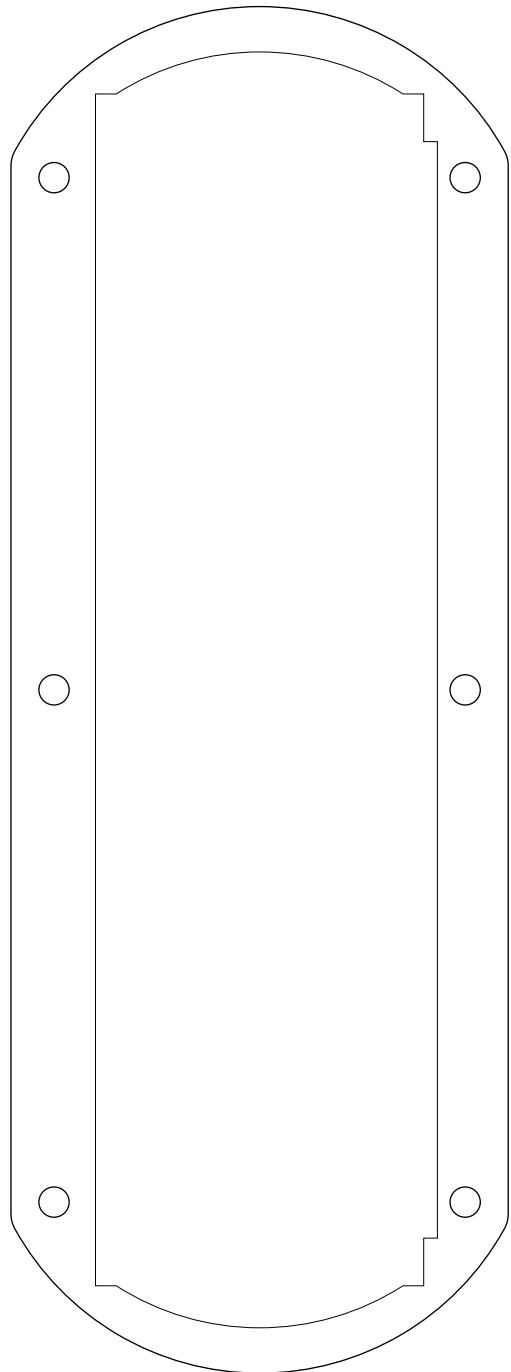
Your AceSnd team

Clock main body components



Part #1 - main body frame

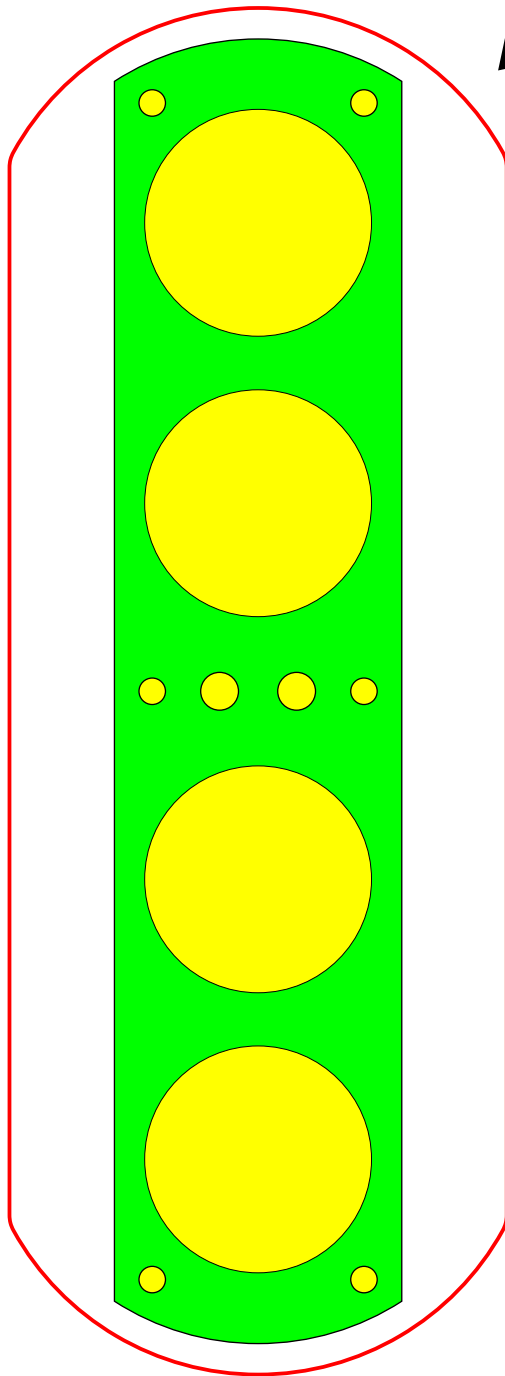
This is the wooden part, which serves as main body of the clock. We have made it from 18mm plywood. 5 pieces total. Adjust quantity according to your material thickness. Insert screws into holes during gluing, to ease alignment.



Part #2 - main body front frame

This is the wooden part, which has cutouts, to accommodate clock main frame. In case of 18mm plywood single sheet is enough. If using material with different thickness adjust number of layers accordingly

Clock front and rear panels

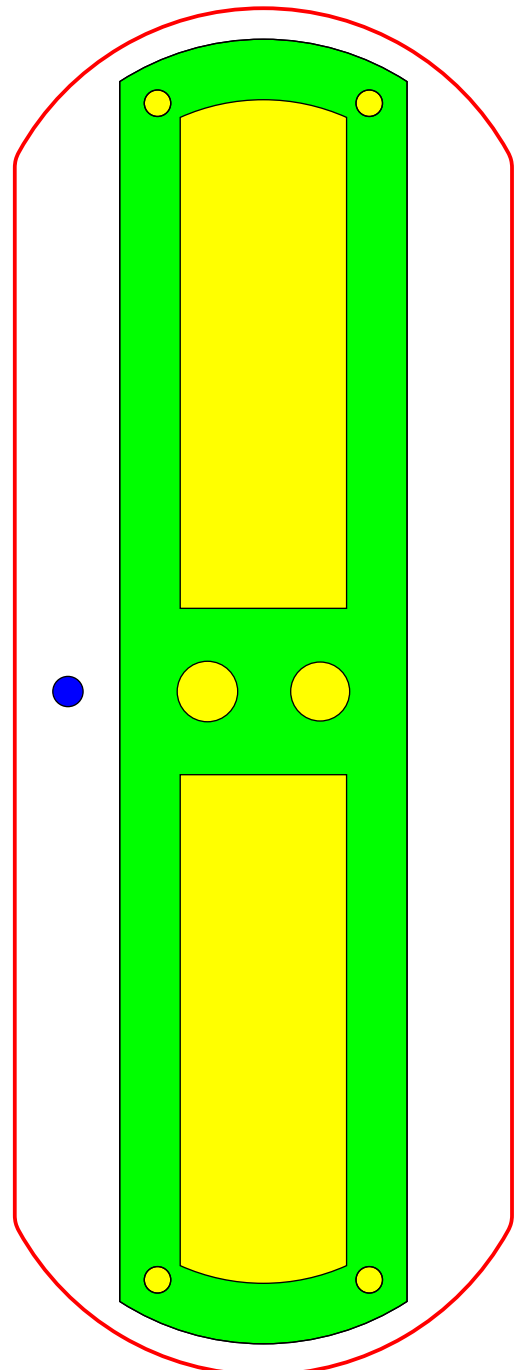


Part #3 - front panel

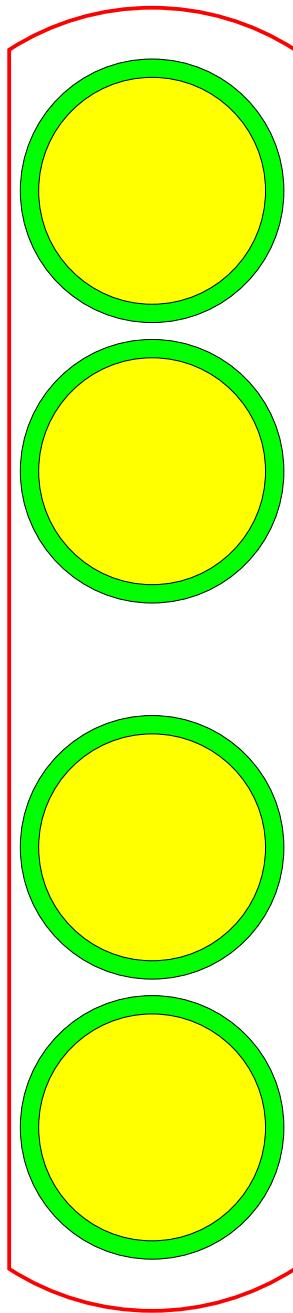
This part is made from wood sheet with 14mm thickness. Anything in range of 12-16mm will work just fine. We used colors to show depth of cuts on 2D drawing. Yellow - thru holes. Green - wood should be removed 3mm in depth. Red outline - additionally processed with standard 1/8 semi-circle router bit.

Part #4 - Rear panel

Same material, same thickness same processing methods as used for the front panel, except the blue dot. This is thru hole for AC cord, you need to drill it, only if you'll decide to install both button and data port

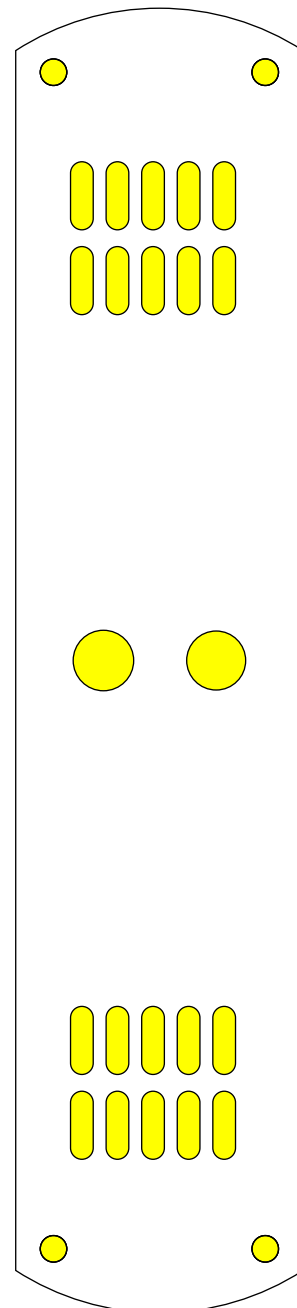


Clock front and rear inserts



Part #5 - front insert

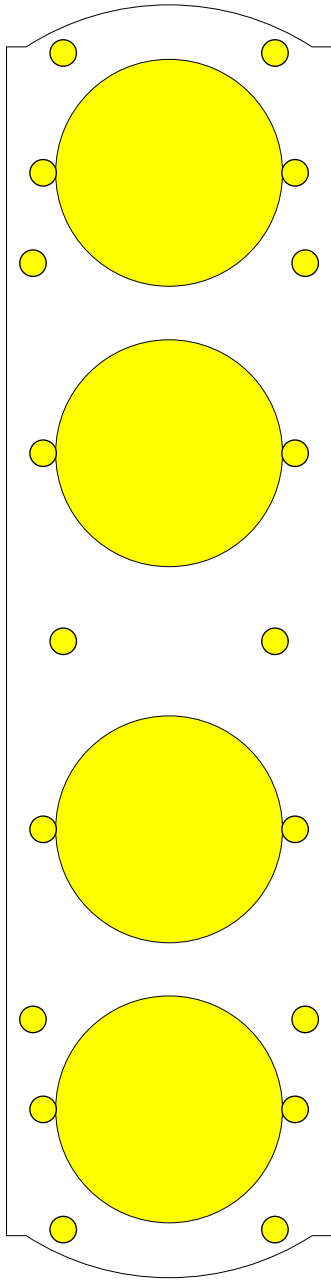
This part is made from 3mm ruby red transparent plexiglass. Any other matching transparent color will work. We used colors to show depth of cuts on 2D drawing. Yellow - thru holes. Green - material should be removed 2mm in depth. Red outline - additionally processed with standard 1/8 V slot router bit.



Part #6 - Rear insert

Same material, same thickness
same processing methods
as used for the front insert.

Clock main frame



Part #7 - Main frame

This part is made from 5mm plexiglass.

Any other matching material will work.

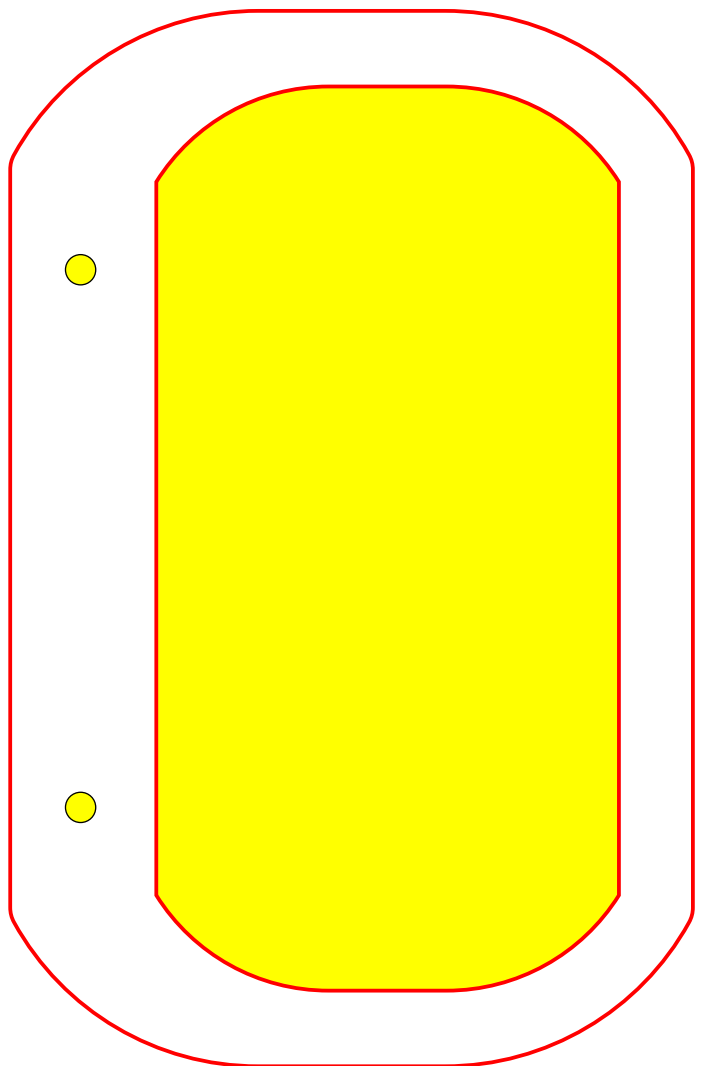
We used colors to show depth of cuts on 2D drawing. Yellow - thru holes.

Clock feet parts



Part #8 - angled insert

This part is made from 14mm wood. Use same material as for front and rear panels. This part has one side skewed by about 30 degree, to provide necessary tilt for body. Yellow color shows thru holes.



Part #9 - Feet



Same material, same thickness same processing methods as used for clock front and rear panels. Yellow color shows thru holes. Red outline areas are additionally processed with 1/8 semi circle router bit.

Brass parts



Part #10 - Logo

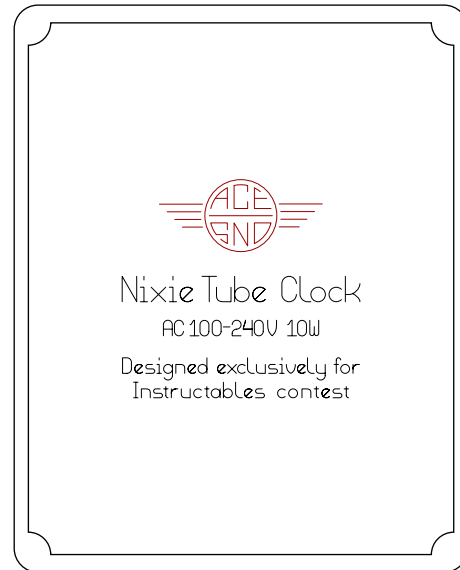


This part is made from 0.8mm thick brass sheet. It is CNC engraved with 0.010" tip 1/8 router bit at 0.3mm depth.

Part #11 - Name plate



Same material, same thickness
same processing methods
as used for logo.



Part #12 - brass rings



Made from brass tubing with
35mm O.D. and 33mm I.D.
Thickness - 2mm
Can be also machined from
brass sheet or blank

