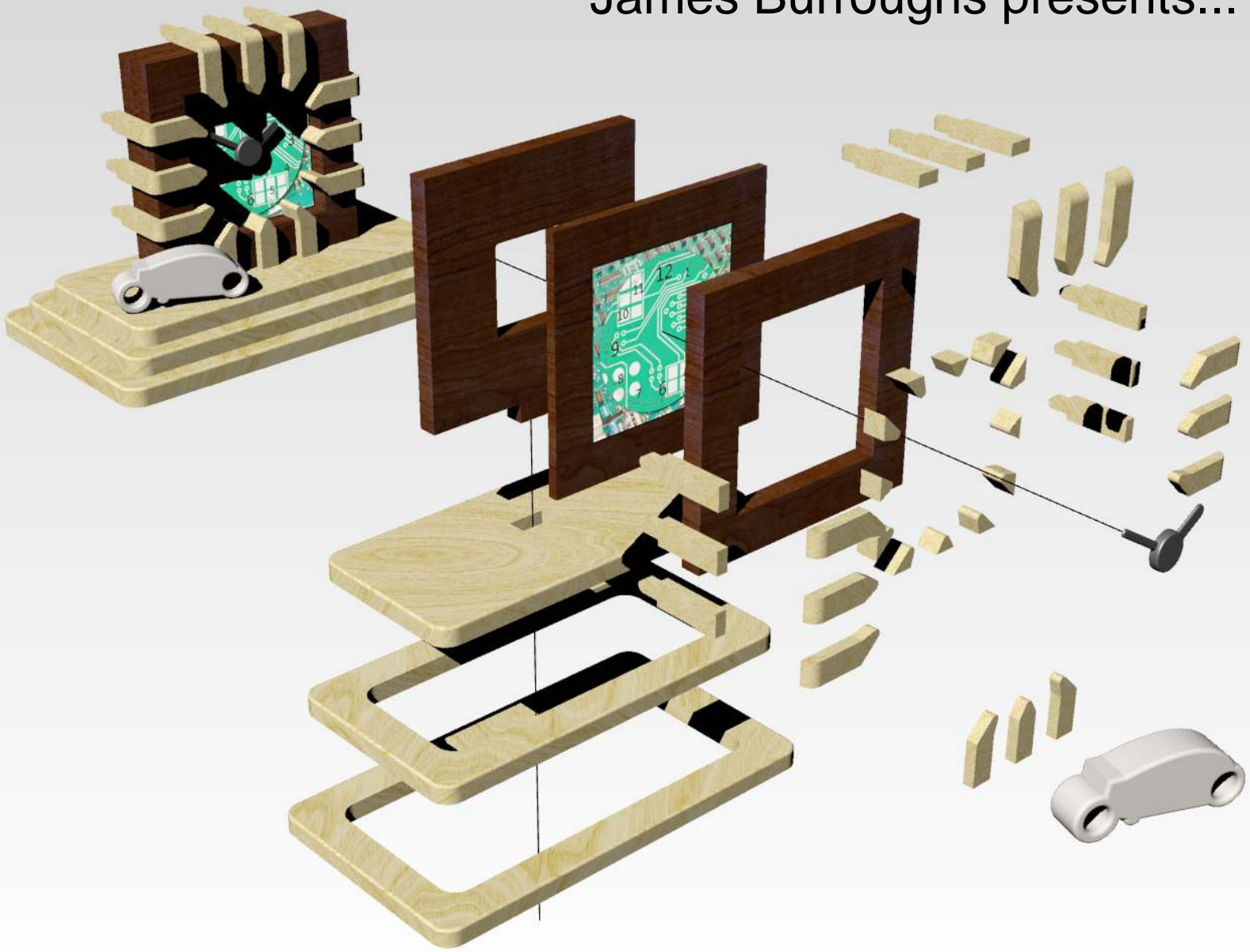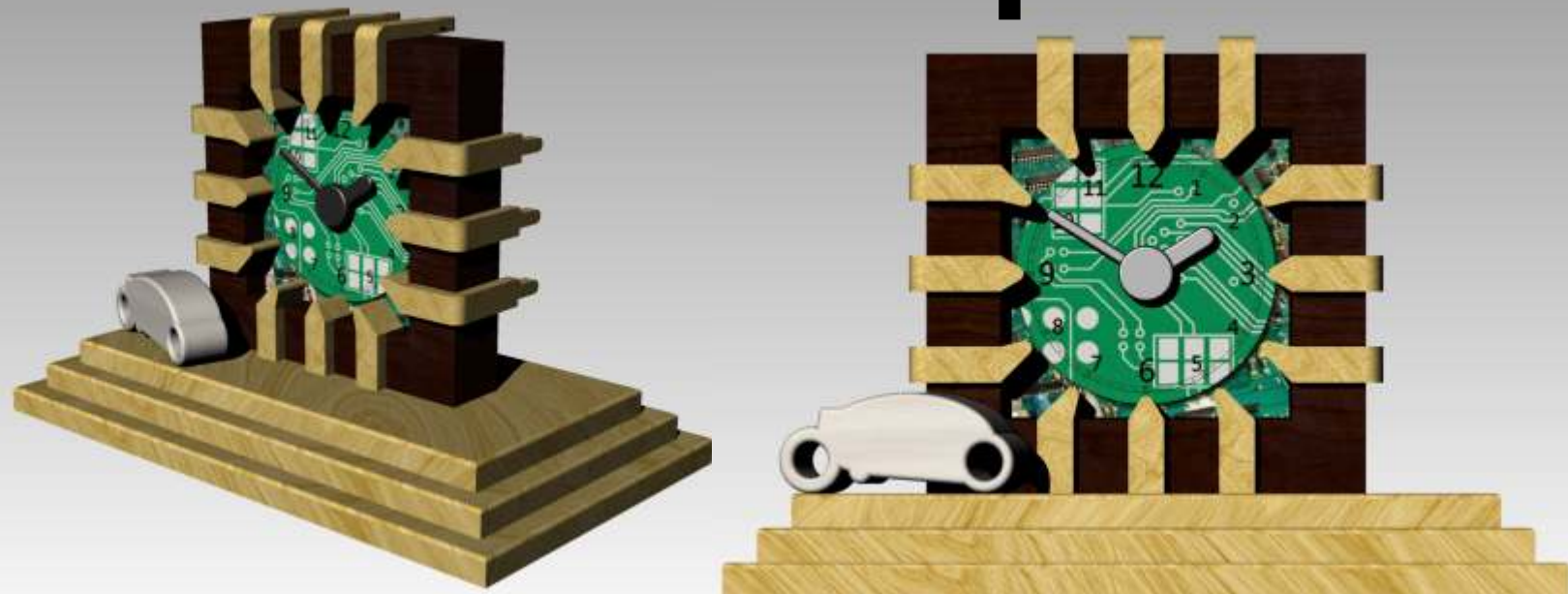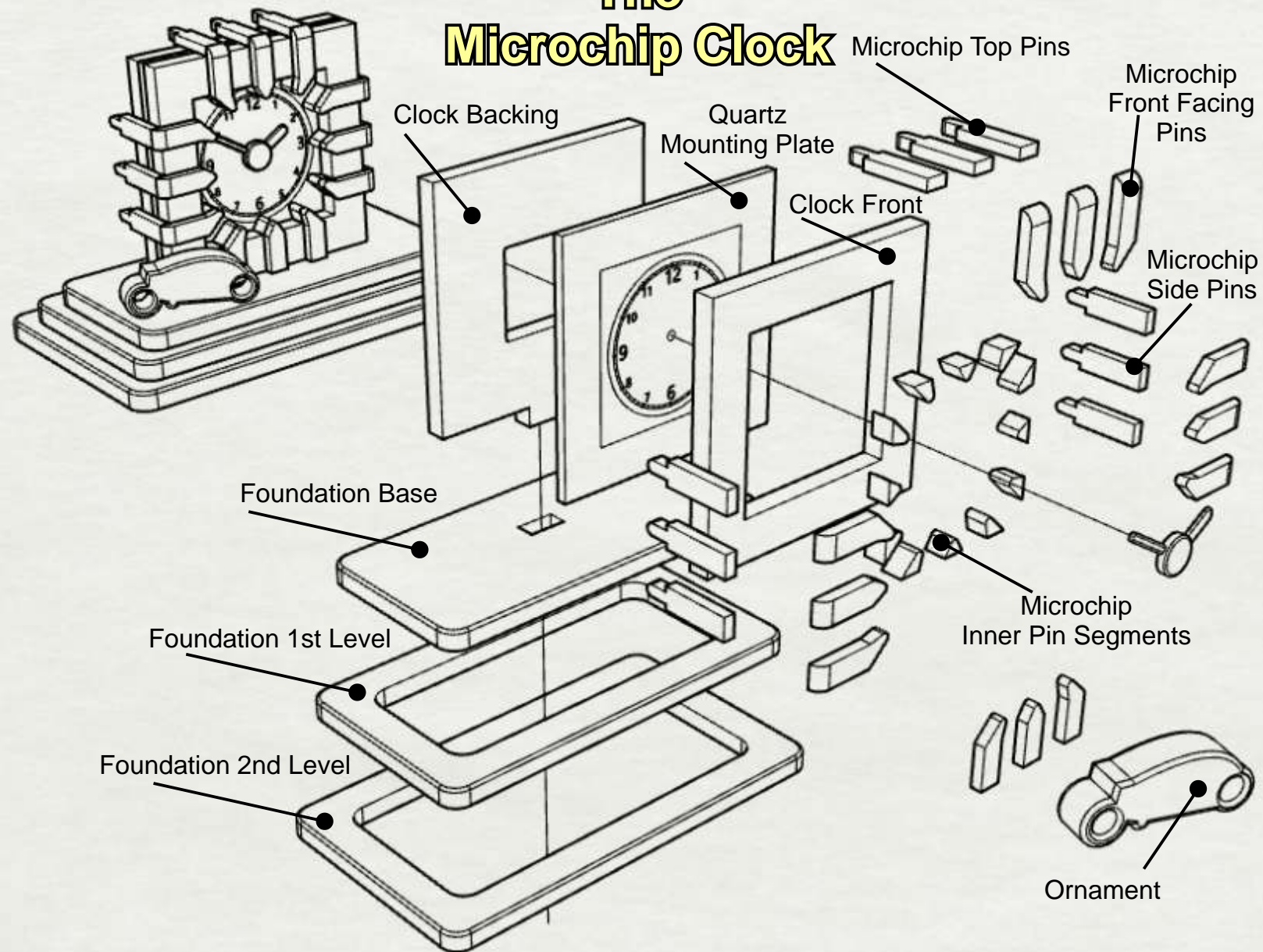James Burroughs presents...

The Microchip Clock

The Microchip Clock

Exploded View with Part Identification

Labels in the exploded view:
- Clock Backing
- Quartz Mounting Plate
- Microchip Top Pins
- Microchip Front Facing Pins
- Clock Front
- Microchip Side Pins
- Foundation Base
- Foundation 1st Level
- Foundation 2nd Level
- Microchip Inner Pin Segments
- Ornament

The following wood types will be needed:
- 1/4" thick light wood
- 1/4" thick dark wood
- ½" thick light wood
- ½" thick dark wood
- ½"thick light wood
- 3/4" thick very light or very dark wood
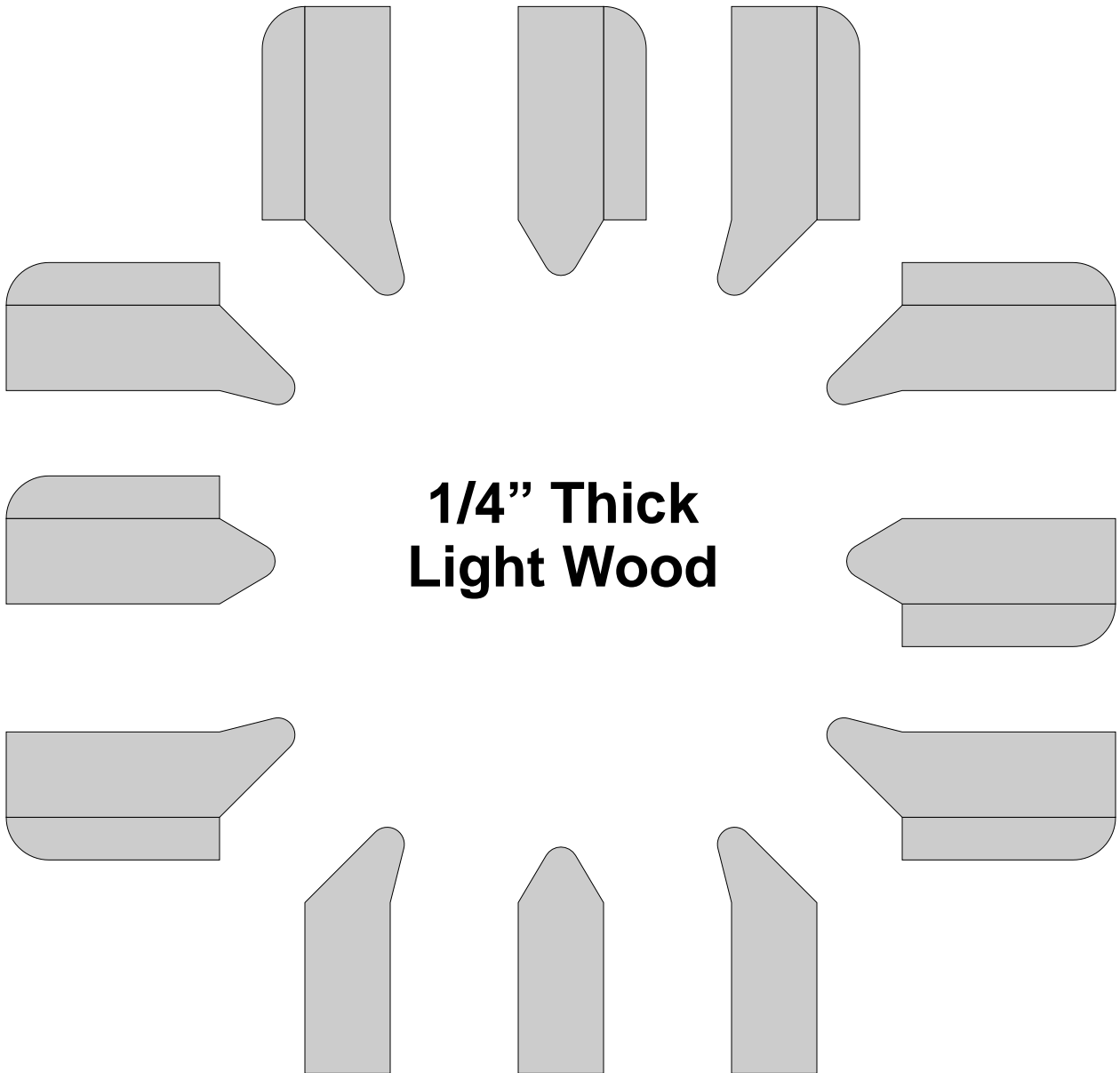
Compound cuts or sanding will be necessary

Use 1.5" clock hands

Clock Movement for 1/4" Thick Stock.

Microchip Front Facing Pins

Perform a compound cut,
or sand the top corner
on the three longer sets

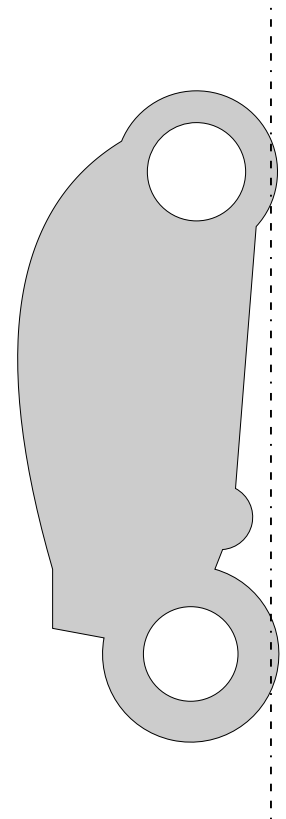**1/4" Thick
Light Wood**

Microchip
Inner Pin Segments

½" Thick
Light Wood

These fit between the clock face, and the front facing pins.
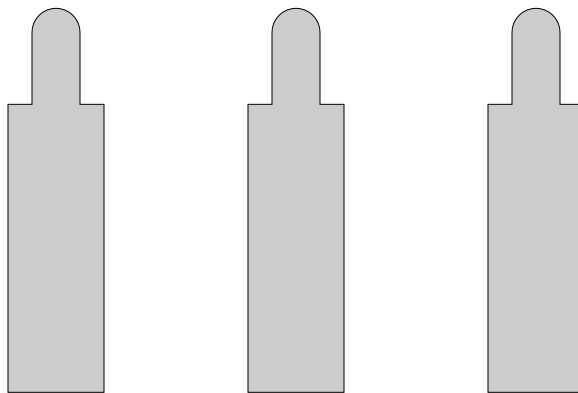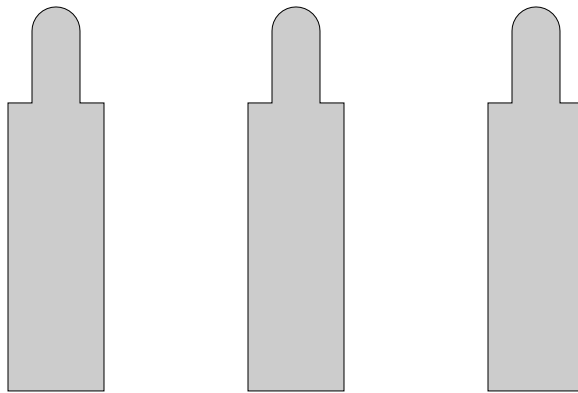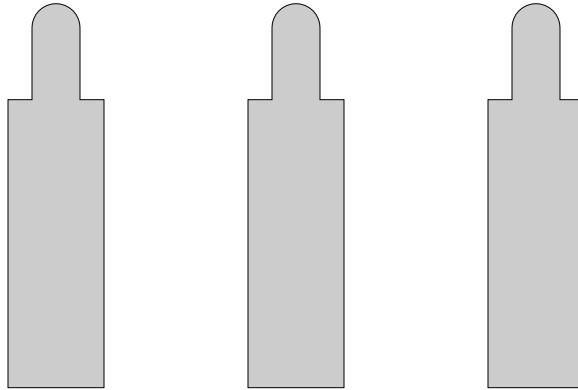
3/4" Thick
Very Light or
Very Dark Wood

Ornament

This ornament adds a Sci-fi flavour to the clock. If you wish to affix it to the base, cut the wheels with a flat bottom edge, as indicated on the pattern. This will add additional surface for the adhesive to grip.

Use a wood or stain that sets this apart from the other two wood shades. Sand the edges round, including the inner areas of the wheels
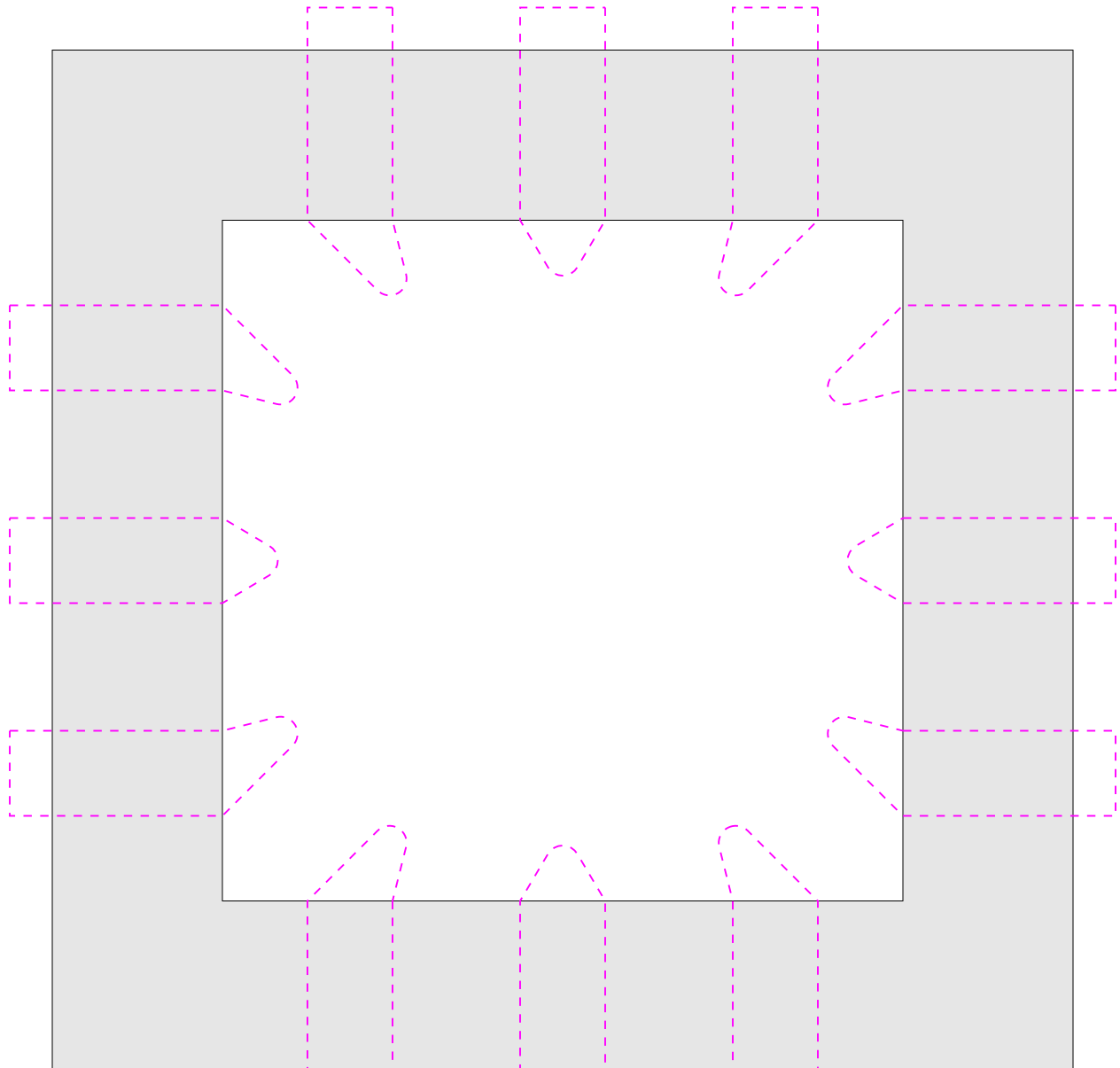
Microchip Side and Top Pins

1/4" Thick
Light Wood

Clock Housing Front

The Front Facing pins and Inner Pin Segments
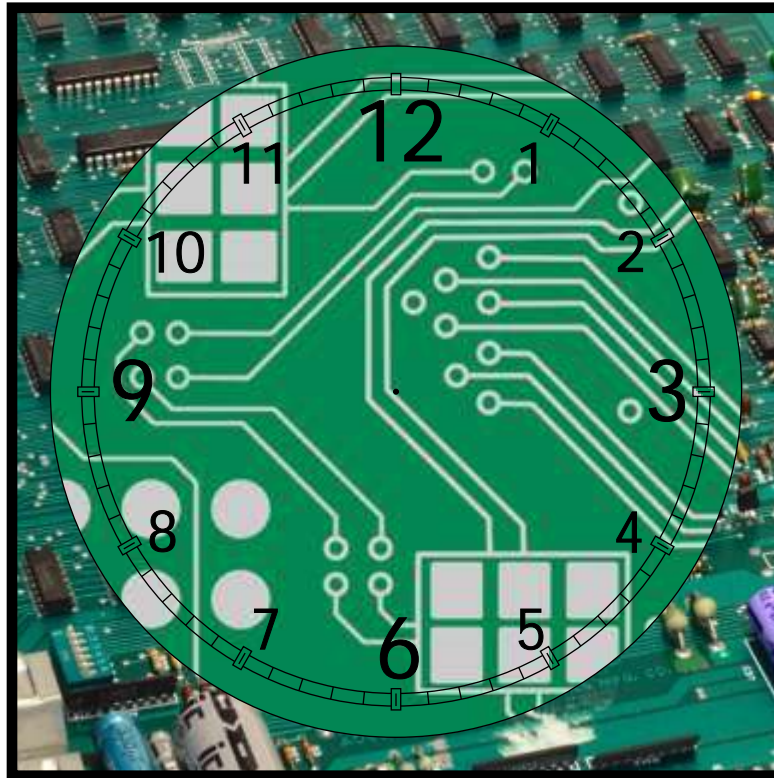are to be fixed in place as defined on the pattern

**½" Thick
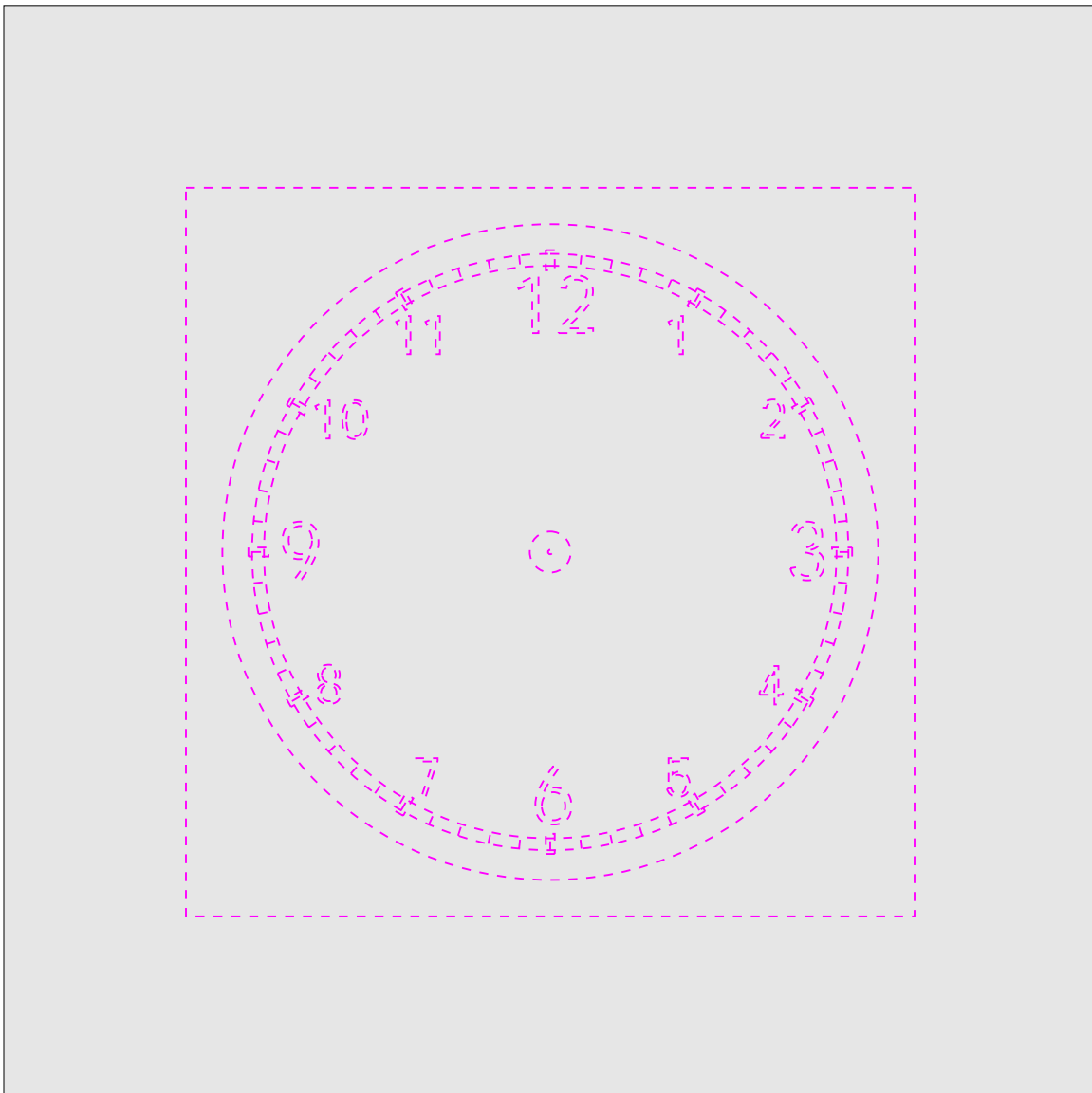Dark Wood**

Tech Dial Clock Face

4" x 4" Tech Dial

Print this dial out on a photo quality printer
Laminate or cover with self adhesive clear film
Affix to the Quartz Mounting Plate

Quartz Mechanism Mounting Plate

Drill a hole in the centre, suitable in diameter
to receive the quartz movement.
The "Tech Dial" clock face (4" x 4") should be
glued in place as depicted on the pattern.

Use hands that are not much
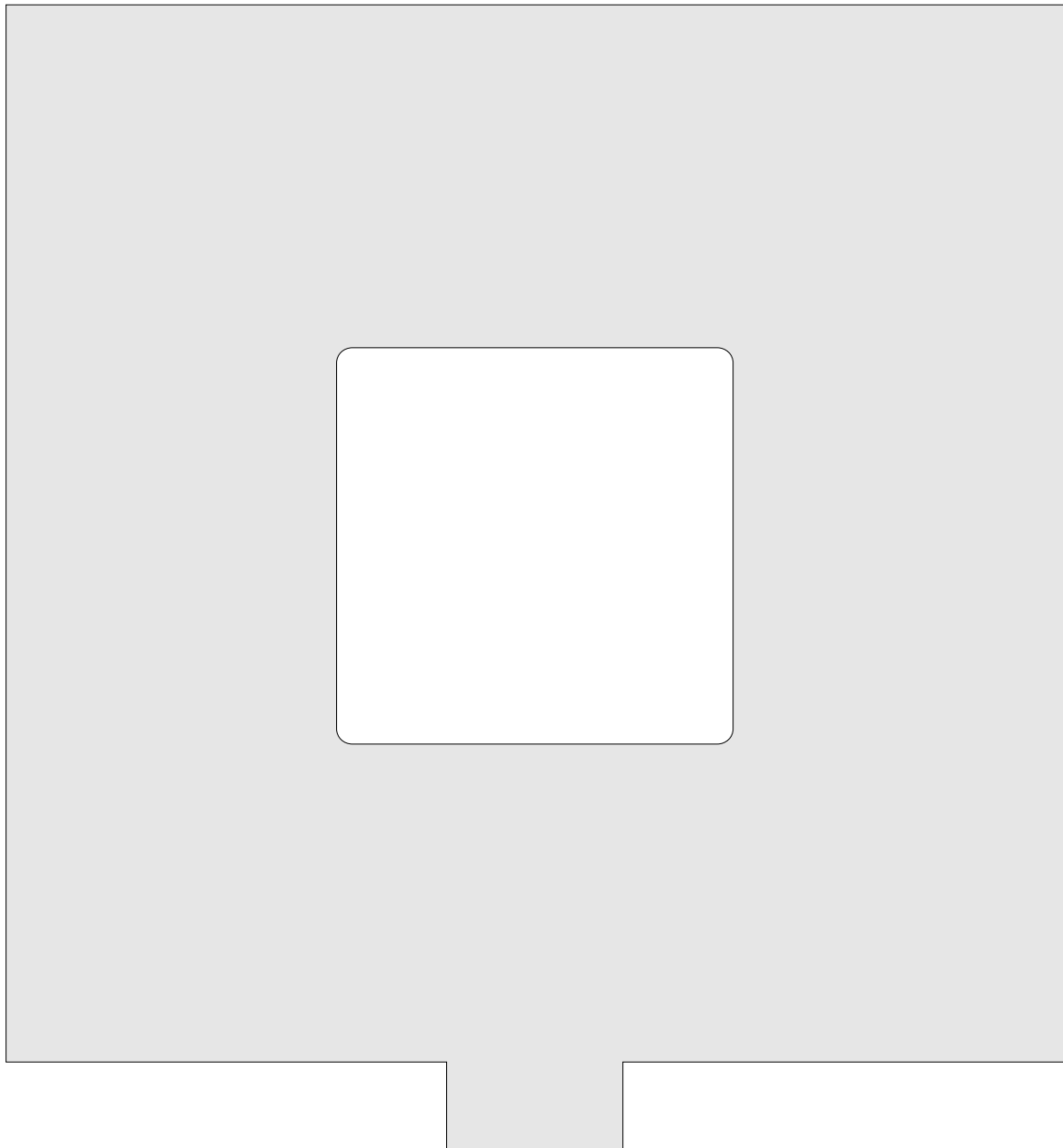longer then 1½" in length.

1/4" Thick Dark Wood

Clock Backing - Quartz Housing

The quartz movement will reside in the void
in the centre of the backing piece.
Install the tab into the slot in the foundation base.
Rounding / sanding the edges of the tab will
make installation easier.

**½" Thick
Dark Wood**

Foundation Base

Round off the upper edge of the foundation base layer for a softer finish

Affix the foundation base on top of the first level foundation.

Insert the tab from the Clock Backing into the available slot in the base.

½" Thick Light Wood

Foundation
1st Level

Round off the upper outer edge of the foundation layer for a softer finish

Affix the foundation base at the indicated position on the pattern.

Affix to the Foundation 2nd Level at the indicated position

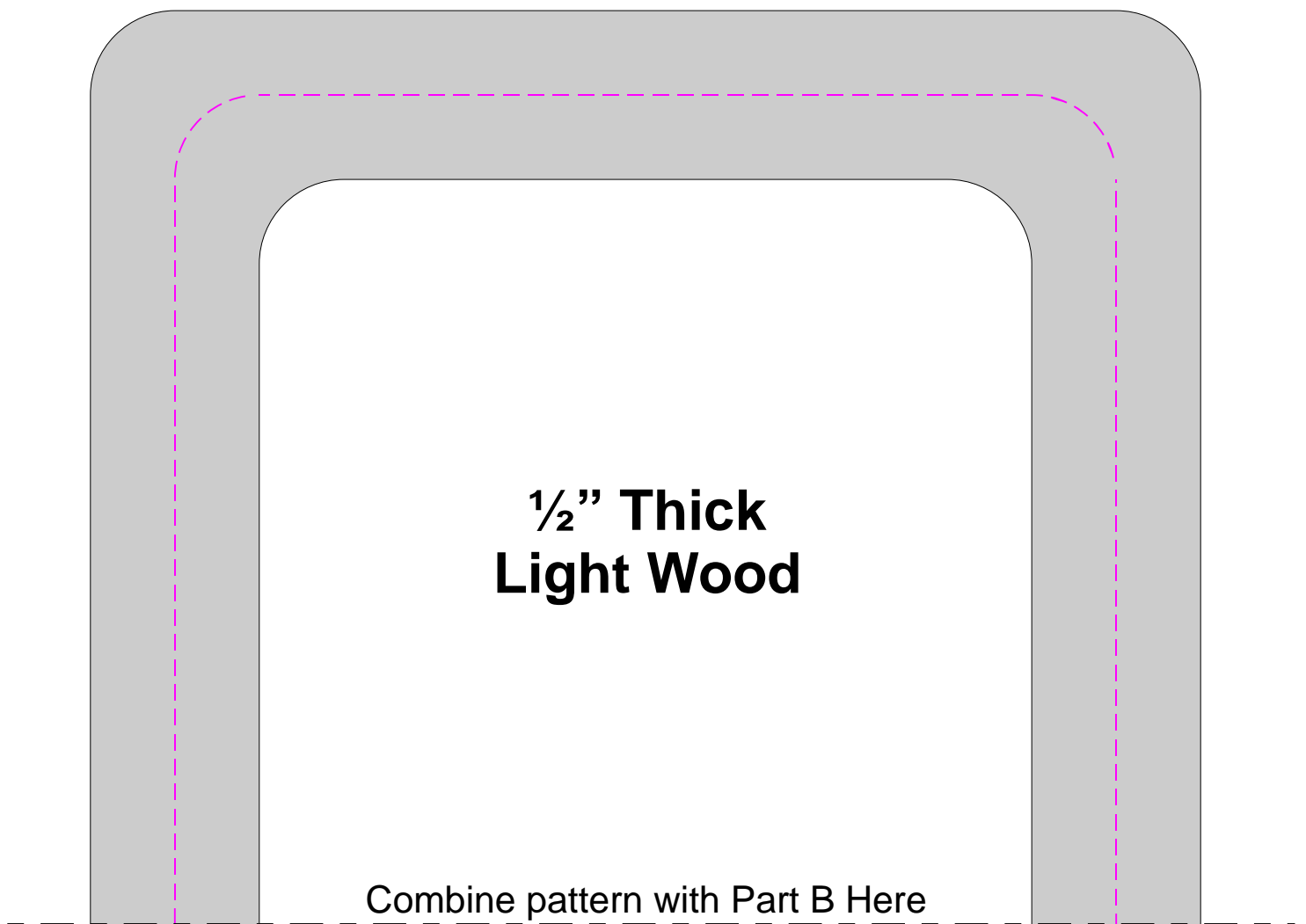½" Thick
Light Wood

Foundation 2nd Level (Part A)

The pattern for this piece is in two parts. Cut out and join Part A and Part B at the dotted line.

Round off the upper outer edge of the foundation layer for a softer finish.

Affix the foundation 1st level at the indicated position on the pattern

**½" Thick
Light Wood**

Combine pattern with Part B Here

Foundation 2nd Level (Part B)

The pattern for this piece is in two parts. Cut out and join Part A and Part B at the dotted line.

Round off the upper outer edge of the foundation layer for a softer finish.

Affix the foundation 1st level at the indicated position on the pattern

Combine pattern with Part A Here

**½" Thick
Light Wood**