



Working time Couting Lamp

Assignment 2

Initial Thought

Students these days are usually having tough time for their works, in artcenter, many students would staring at computer screen for hours, I'm wondering if I could design a table lamp that could remind students to rest a little bit after a certain time...



The way I want it to work is it would have a button pin to turn it on and off, a potentiometer to adjust the time limit, so that you can select a limited amount of time to make it remind you that you should have a break. And a light sensor to sense the environment light to adjust the light strip to an idea light condition

Inputs

Potentiometer

Light Sensor

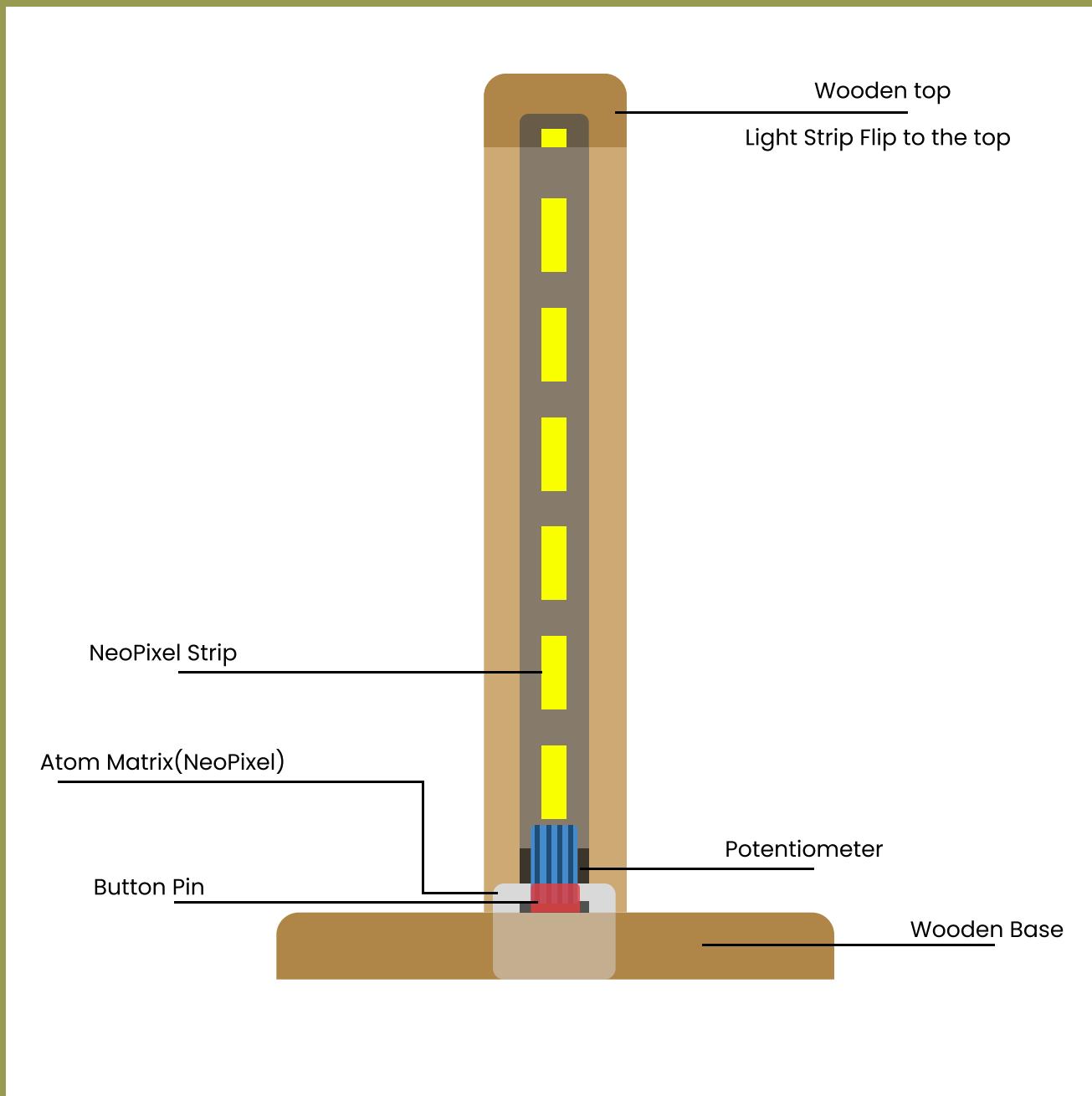
Bottom Pin

Outputs

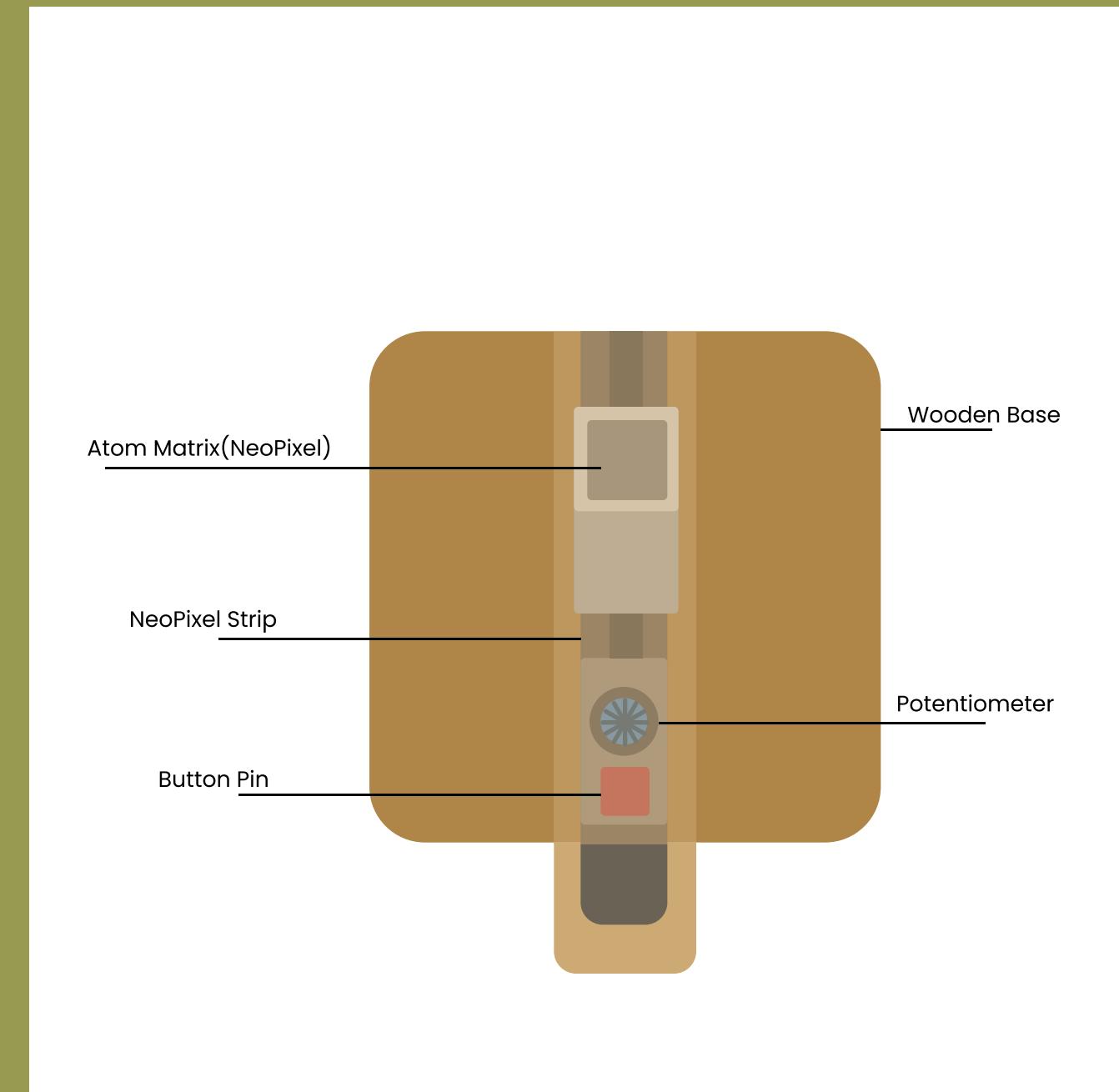
NeoPixel Lightstrip

Atom Matrix 25 Pixel Screen

Sketch



Front View



Top View