APA102-2020 LEDs HDD Clock V3.1 LED Board This is the schematic for the LED board of my HDD Persistence of Vision clock. This LED Board is used with the V4.0 Driver Board. Main improvements over V3.0: IR Reflective Sensor 1. Electrically this PCB is the same as V3.0 Changes were made to PCB parts placement and size 2. Size of the PCB has been increased slightly. This size has been tested in the HDD frame using 3D printing. The increased size should make indexing the PCB easier and alignment more reliable. I2C Board Temp Sensor 3. Spring target pads location has been adjusted, the location has been verified using 3D printing. Connections to Driver Board Kadin Whiting Sheet: / File: HDD Clock V3.1_LED Board.kicad_sch Title: LED Board Main Page Size: A4 Date: 2022-07-09 Rev: 3.1 KiCad E.D.A. kicad (6.0.1) ld: 1/6









