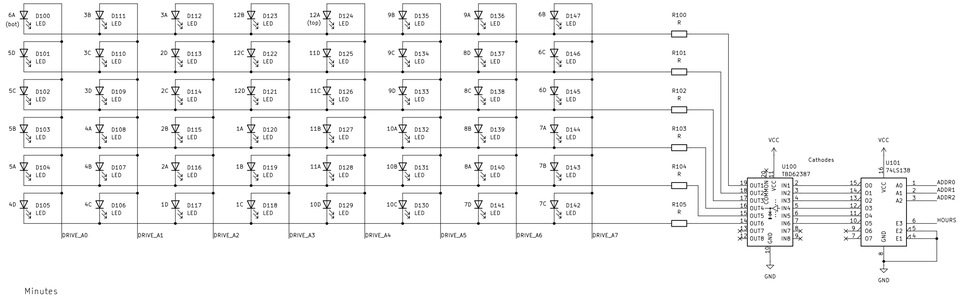
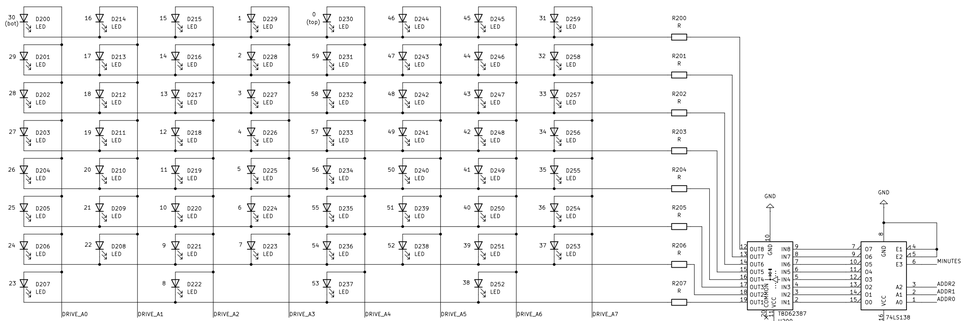
Hours: uses 48 LEDS (instead of 60) because that's all the "hour hands" we can fit into the space.

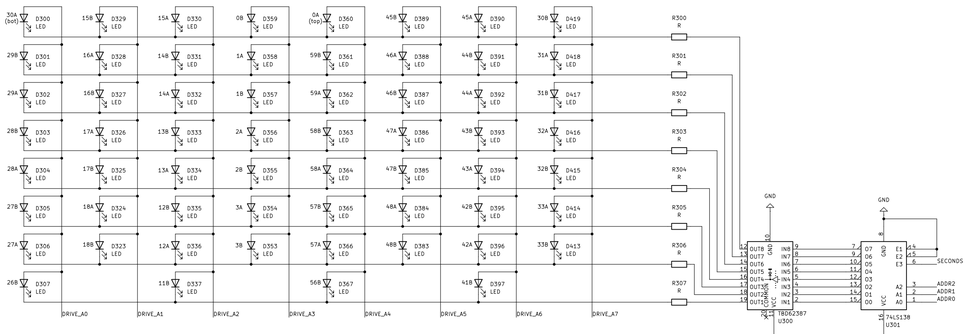
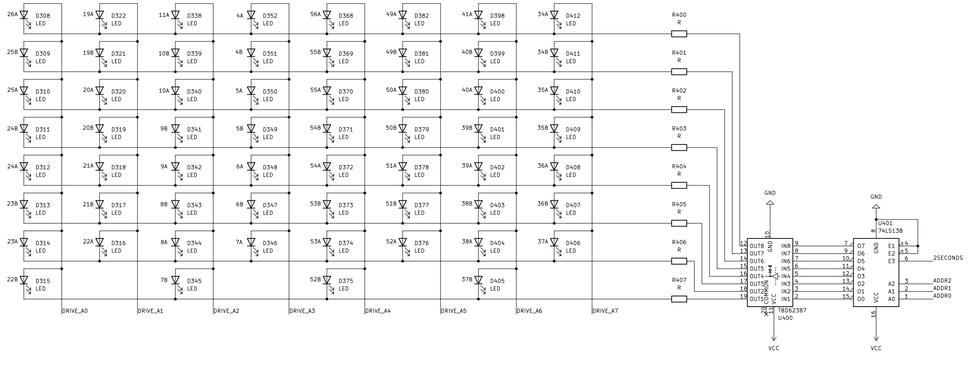
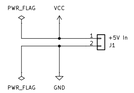
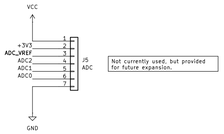
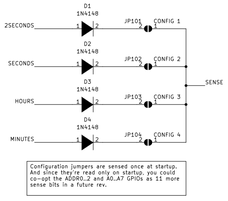
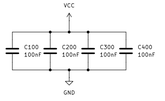
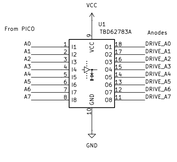
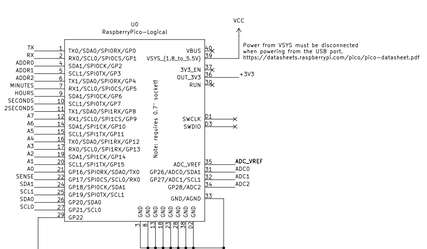
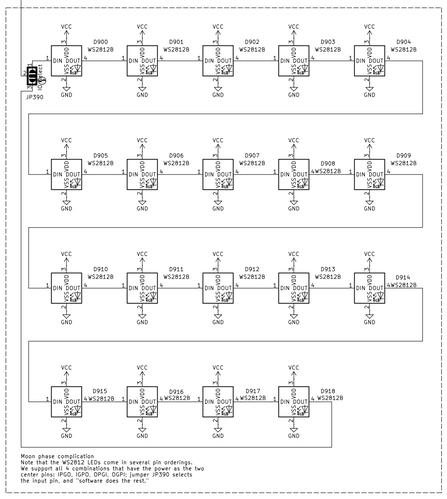
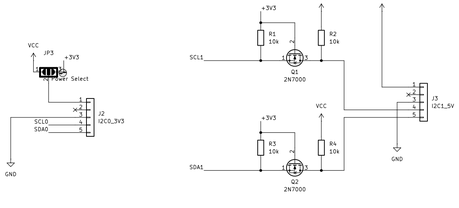
For all LEDs: note the "snake" pattern of reference numbers!



Minutes



Seconds (1st half)



Seconds (2nd half)