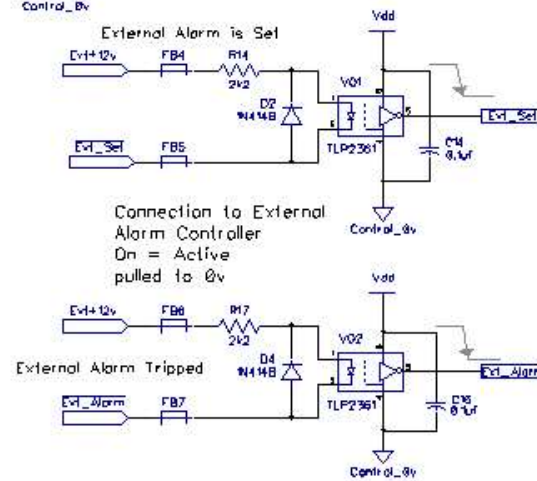
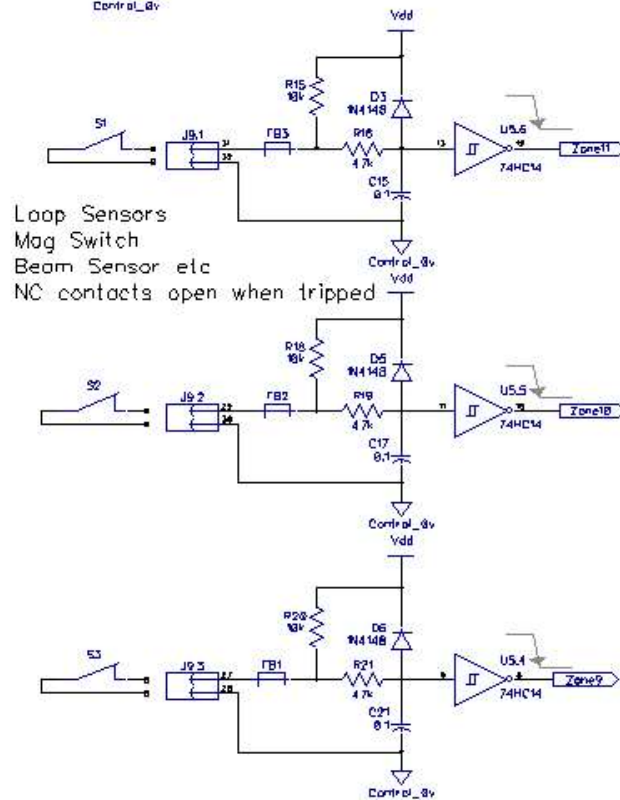
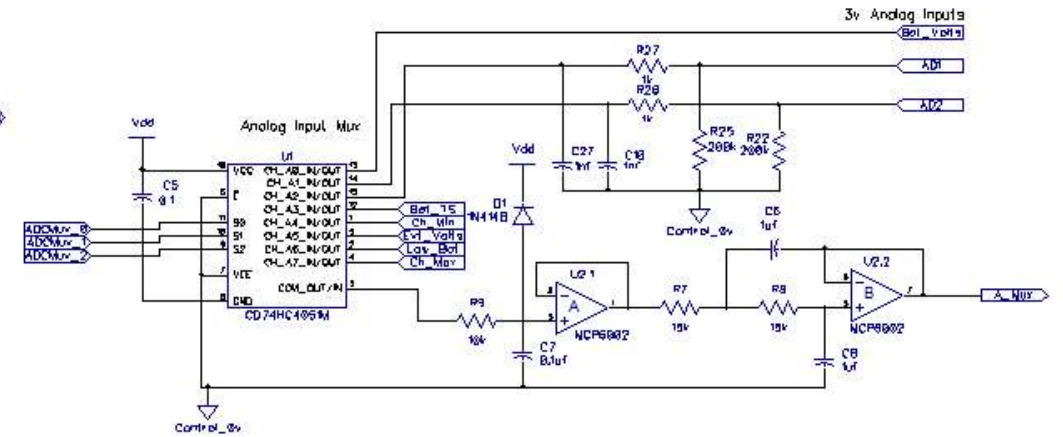
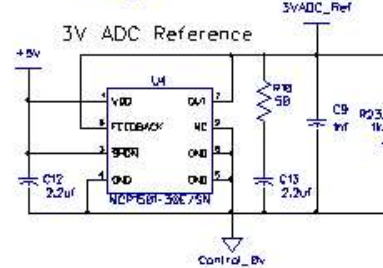
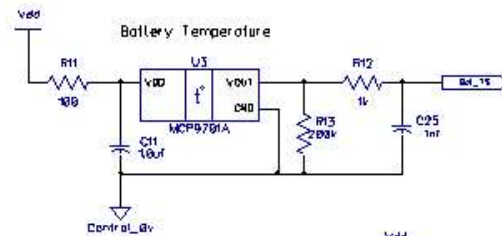
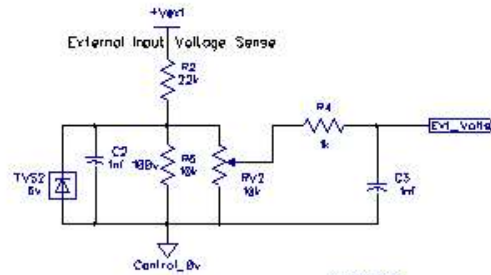
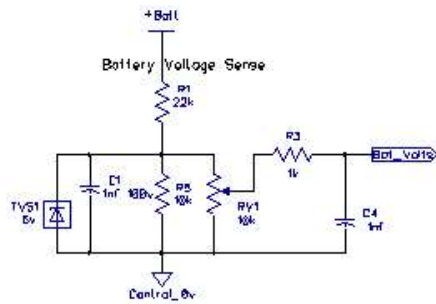


Pi Pico Security Alarm Driver

S. Mike
RM Software
6 Sept 2021
2.0A

Zone Digital Inputs Multiplexer

Zone 1-8 all inputs active High

DI_Add0
DI_Add1
DI_Add2
DI_Add3

Zone1
Zone2
Zone3
Zone4
Zone5
Zone6
Zone7
Zone8

Zone 9-15 all inputs active Low

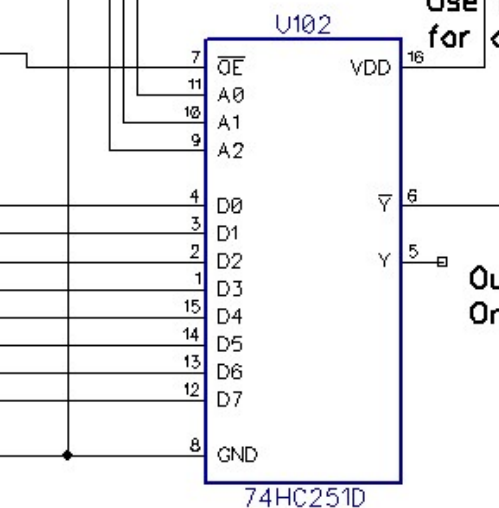
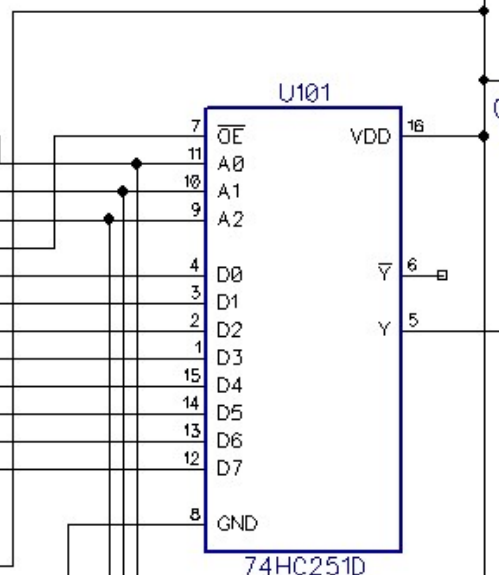
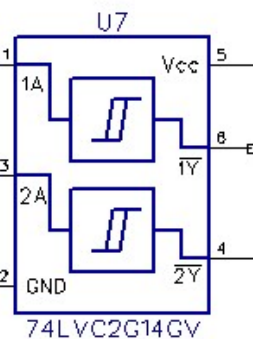
Local Key Pad

KPRight
KPLeft
KPCancel

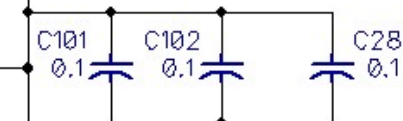
External Alarm
Controller State

Ext_Sel
Ext_Alarm

Control_0v



Vdd



Control_0v

R29

100

DI_Mux

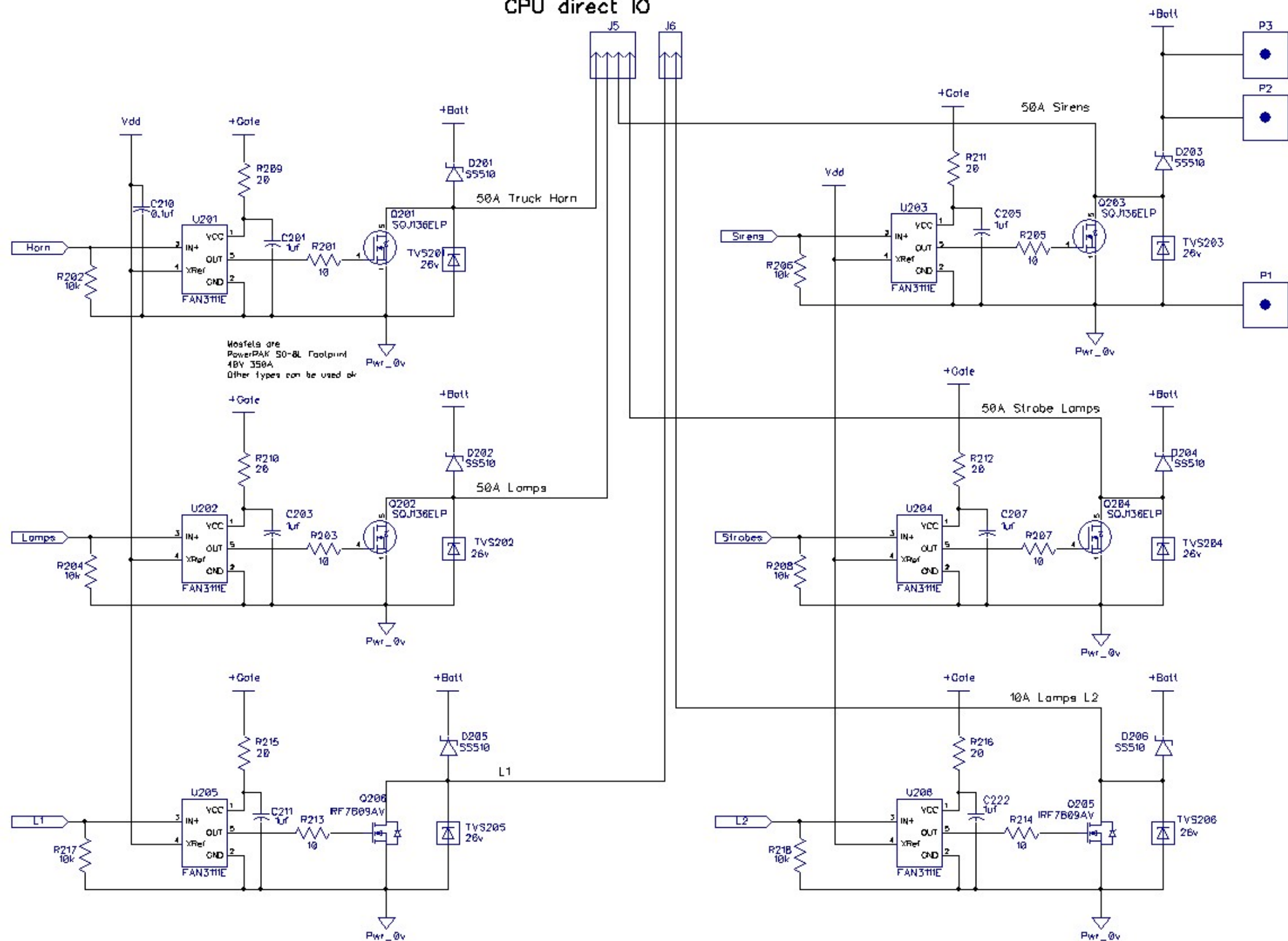
Use inverted OP
for active High out

R30

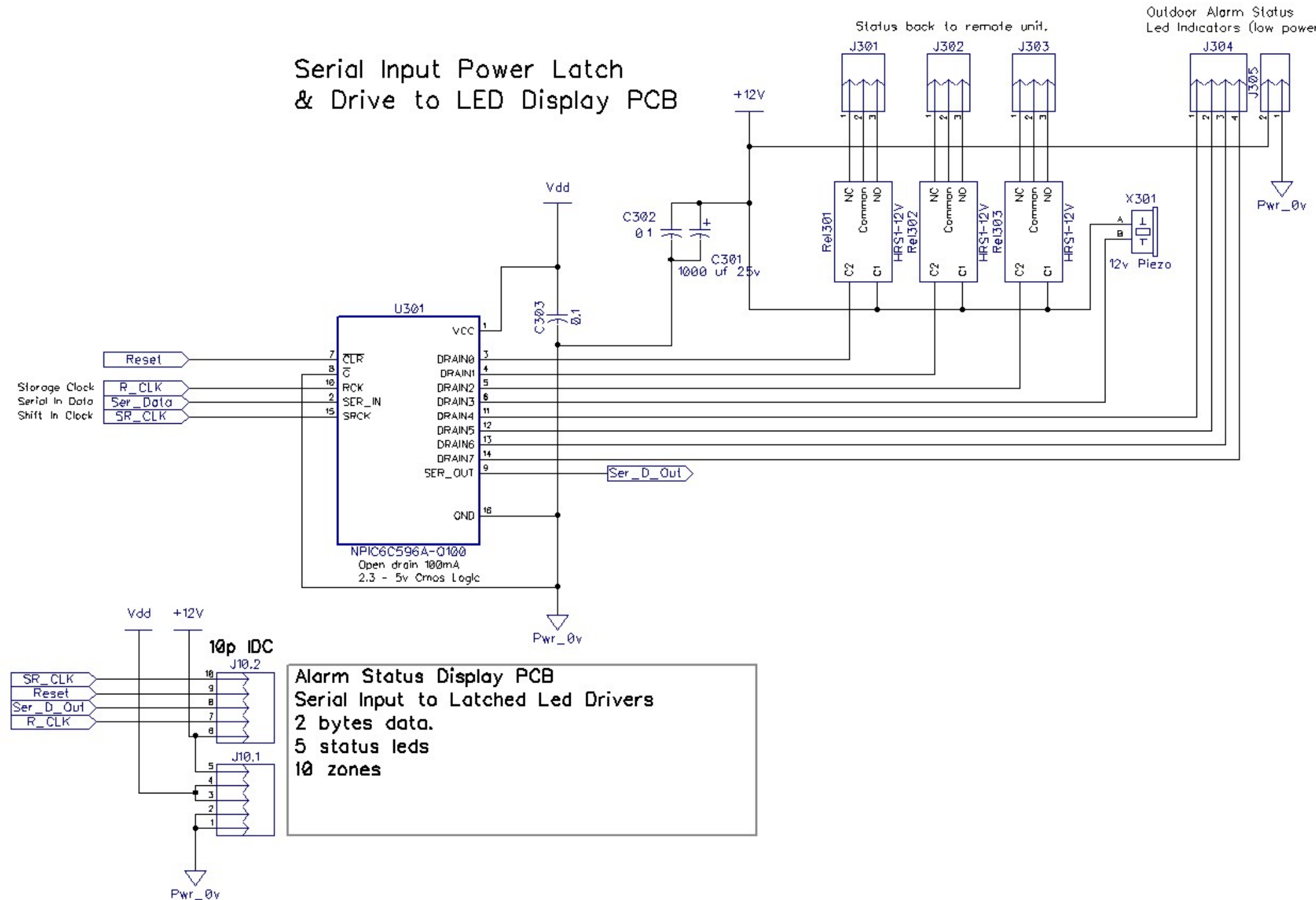
100

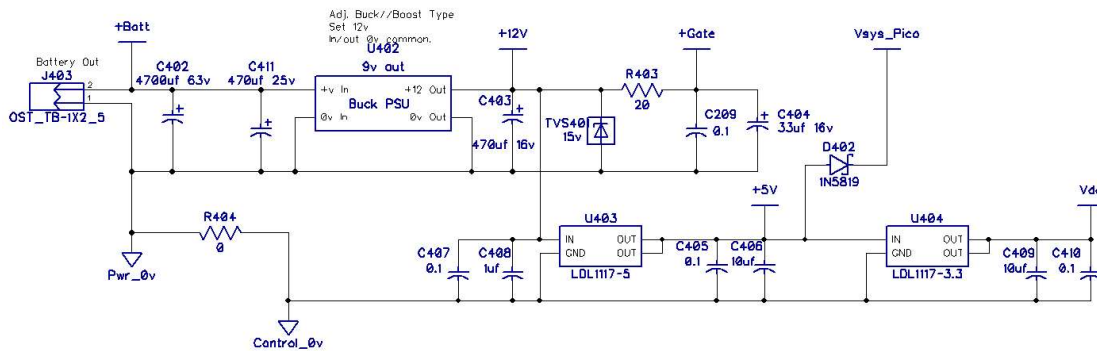
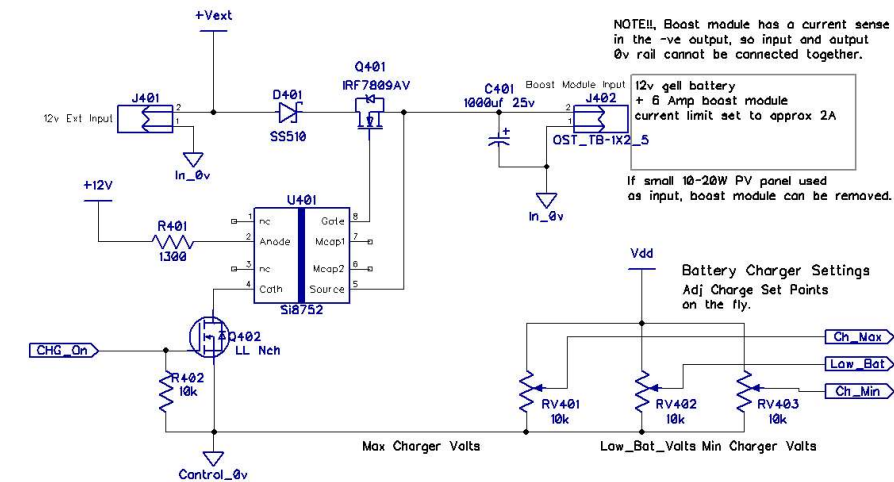
Outputs are Tri-state
On when OE = 0

High Current 12V loads CPU direct IO

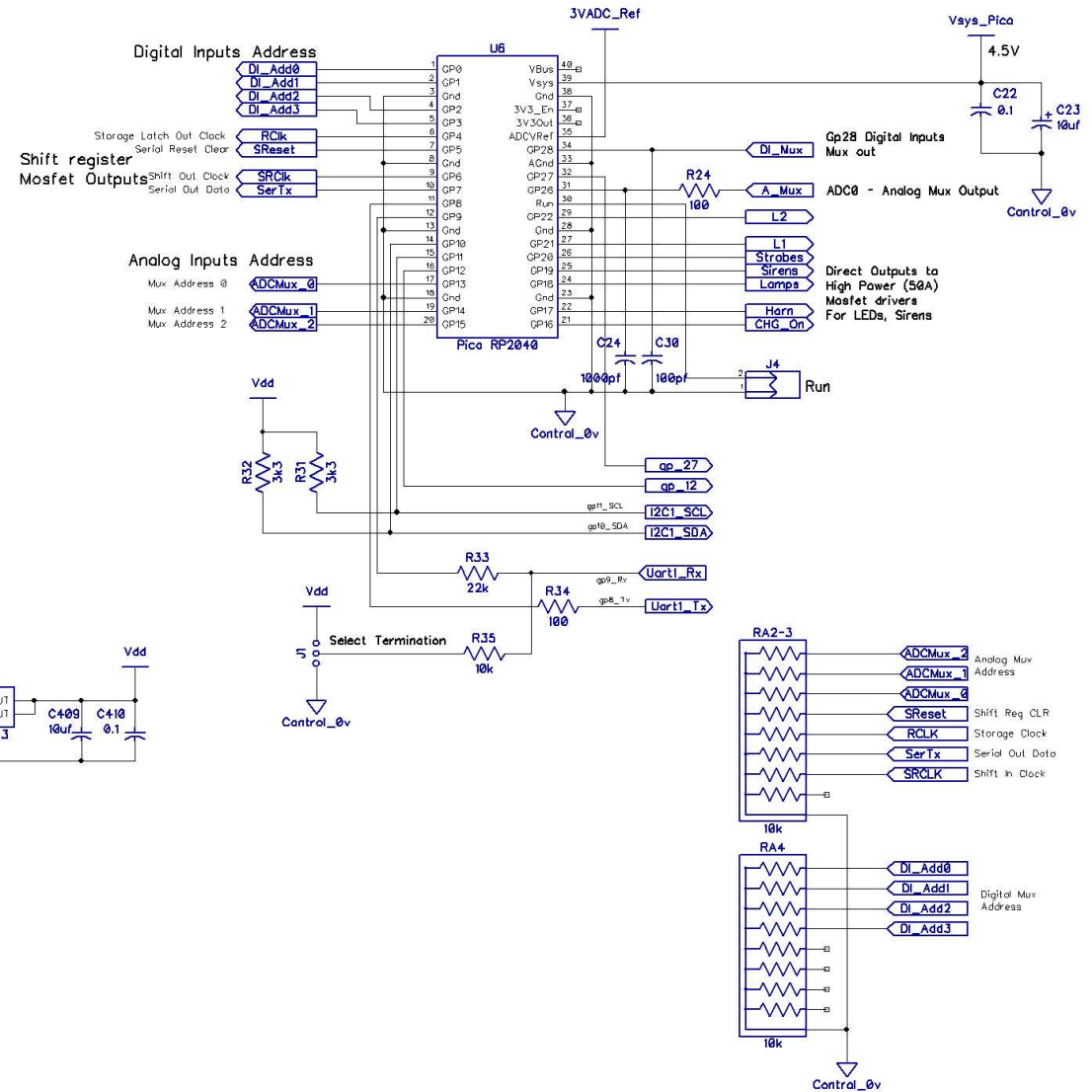


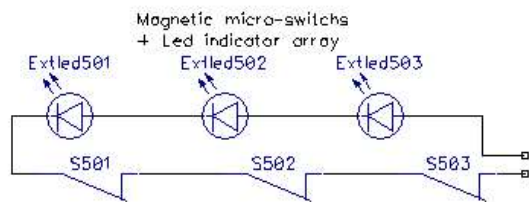
Serial Input Power Latch & Drive to LED Display PCB





Pico 2040 Module Pin Connections





Loop Sensors (Mag Switch) + Leds for visual warning

