

1	2	3	4	5	
A					A
B					B
C					C
D					D
1	2	3	4	5	

Sheet: Main

Main

File: Main.sch

Sheet: Relays

Relays

File: Relays.sch

Sheet: IO

General IO

File: IO.sch

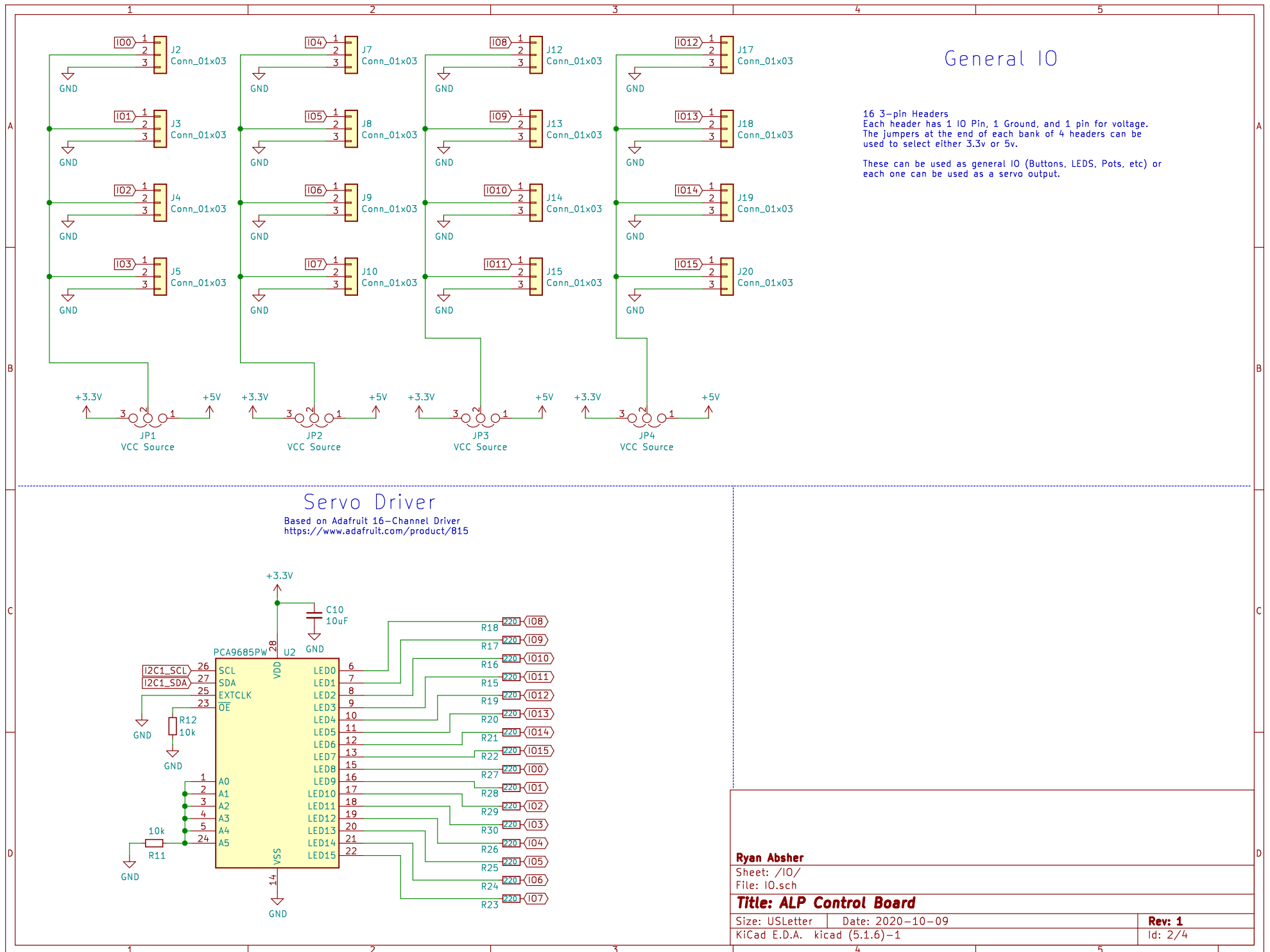
Ryan Absher

Sheet: /
File: ALP.sch

Title: ALP Control Board

Size: USLetter Date: 2020-10-09
KiCad E.D.A. kicad (5.1.6)-1

Rev: 1
Id: 1/4



Ryan Absher

Sheet: /IO/

File: IO.sch

Title: ALP Control Board

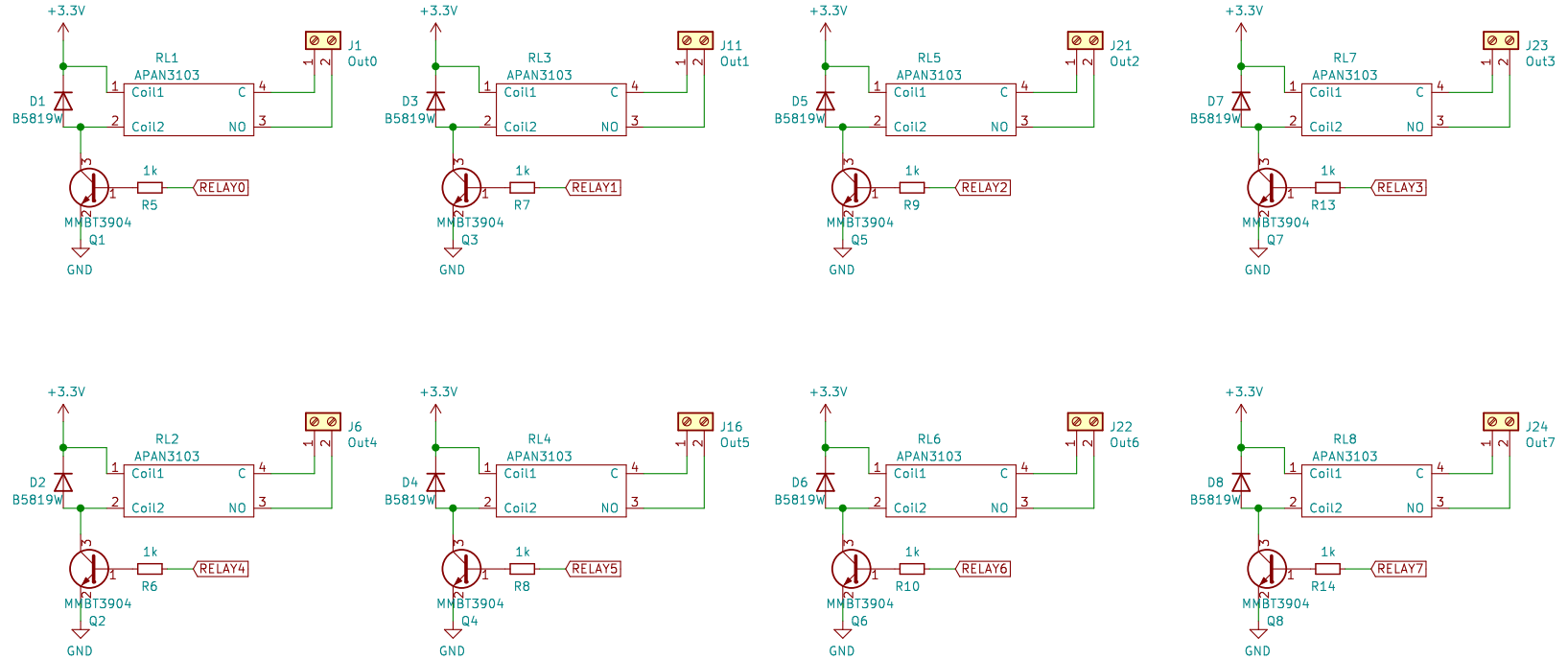
Size: USLetter Date: 2020-10-09

KiCad E.D.A. kicad (5.1.6)-1

Rev: 1

Id: 2/4

Relay Outputs (5A Max)



Ryan Absher

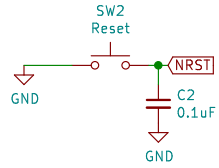
Sheet: /Relays/
File: Relays.sch

Title: ALP Control Board

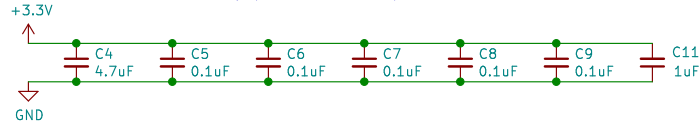
Size: A4 Date: 2020-10-09
KiCad E.D.A. kicad (5.1.6)-1

Rev: 1
Id: 3/4

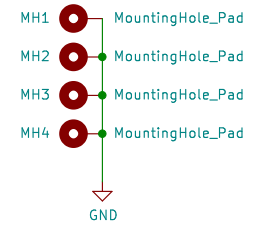
Manual Reset Switch



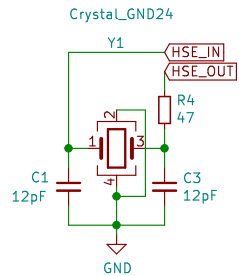
Bypass Capacitors



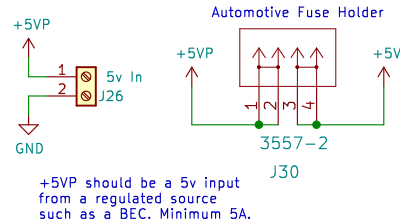
Mounting Holes



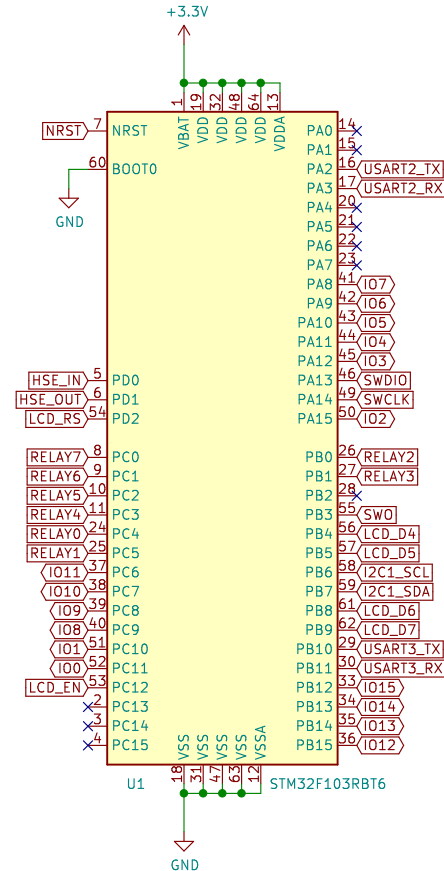
16MHz Crystal



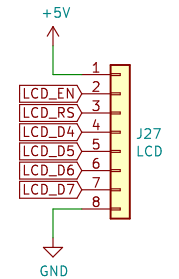
Main Power Input



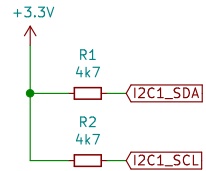
STM32F103RBT6



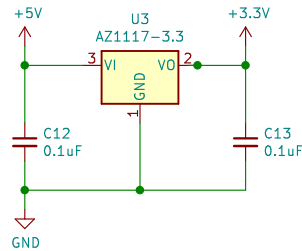
LCD Header



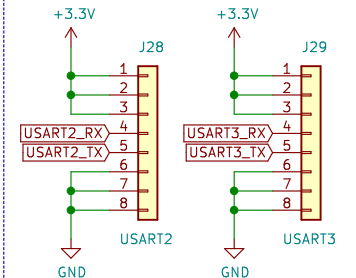
I2C Pullups



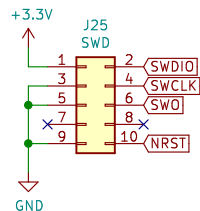
5v to 3.3v LDO



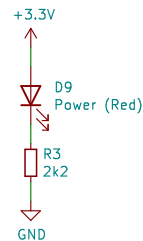
USART Headers



SWD Header



3.3v Power Indication LED



Ryan Absher

Sheet: /Main/
File: Main.sch

Title: ALP Control Board

Size: USLetter Date: 2020-10-09
KiCad E.D.A. kicad (5.1.6)-1

Rev: 1
Id: 4/4