

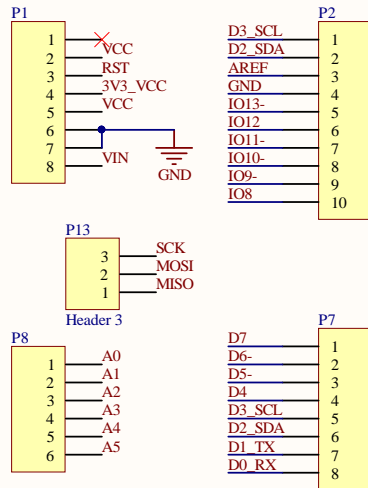
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2

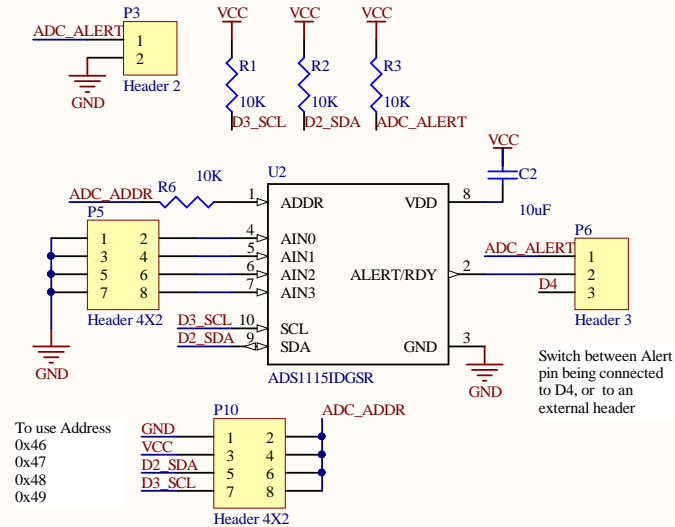
3

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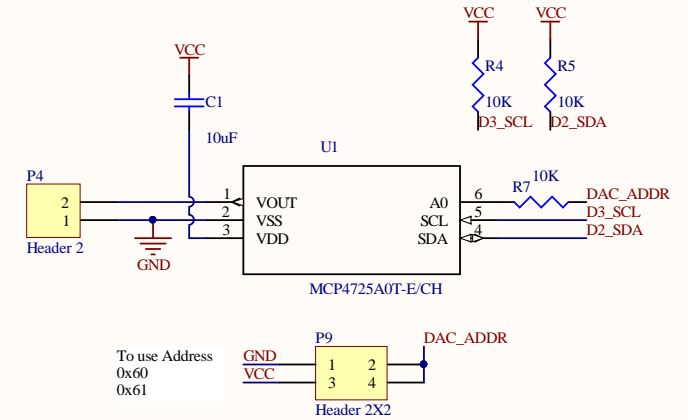
Arduino Headers



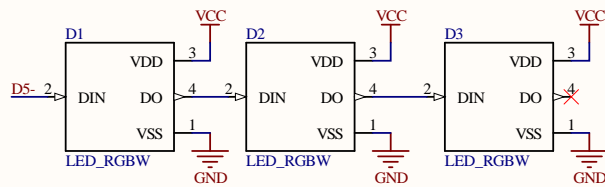
16 bit ADC



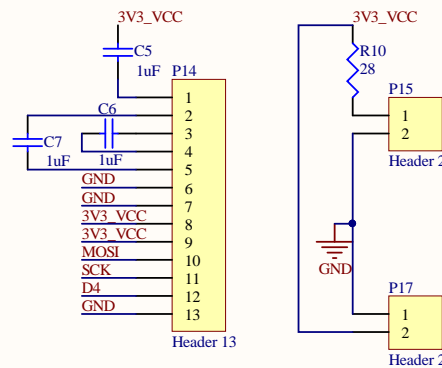
12 bit DAC



NeoPixels / RGBW LEDs

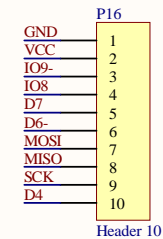


Monochrome LCD



Care to be taken during layout.
The distance between the headers has to be correct for the display to fit on the board.
the GND pins should be inwards when doing the layout.
Pin 1 and pin 28 of the display should be on the same side

Color TFT LCD

Title **Arduino Shield_1**University of Colorado
BoulderSize: **A4**

Number: 1

Revision: 0

Date: 4/15/2019

Time: 3:16:29 AM

Sheet 1 of 2

File: D:\UCBoulder\Acads\Sem 4\PCB\pcb projects\arduino_shield\Arduino_Shield.SchDoc

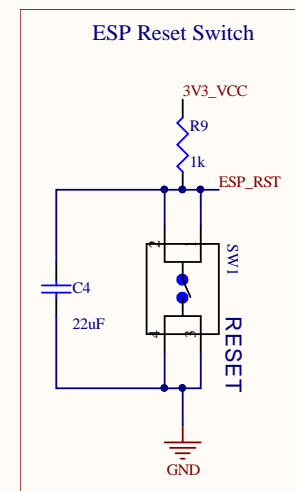
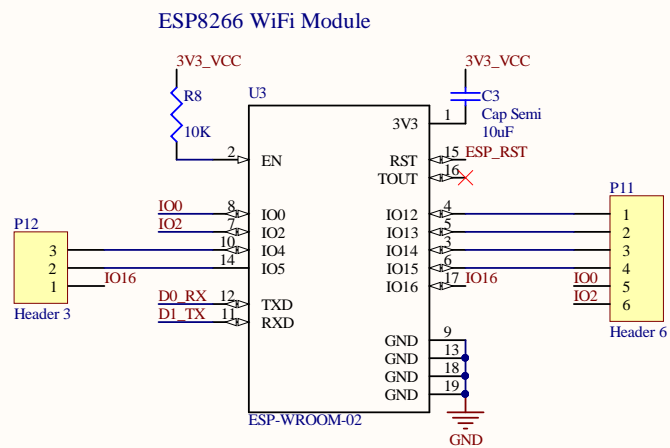
Altium

1

2

3

4



Title <i>Arduino_Shield_2</i>			<i>University of Colorado Boulder</i>
Size: <i>A4</i>	Number: <i>2</i>	Revision: <i>0</i>	
Date: <i>4/15/2019</i>	Time: <i>3:16:29 AM</i>	Sheet <i>2</i> of <i>2</i>	
File: <i>D:\UCBoulder\Acads\Sem 4\PCB\pcb projects\arduino_shield\Arduino_Shield_2.SchDoc</i>			