

# List of Schematic Sheets

Sheet: Microcontroller



File: croptop\_mcu.sch

Sheet: Display



File: croptop\_lcd.sch

Sheet: Onboard Peripherals



File: croptop\_onboard.sch

Sheet: IO Peripherals



File: croptop\_io.sch

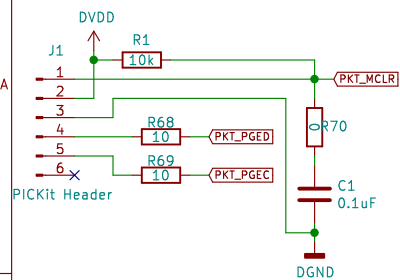
Sheet: Power Supply



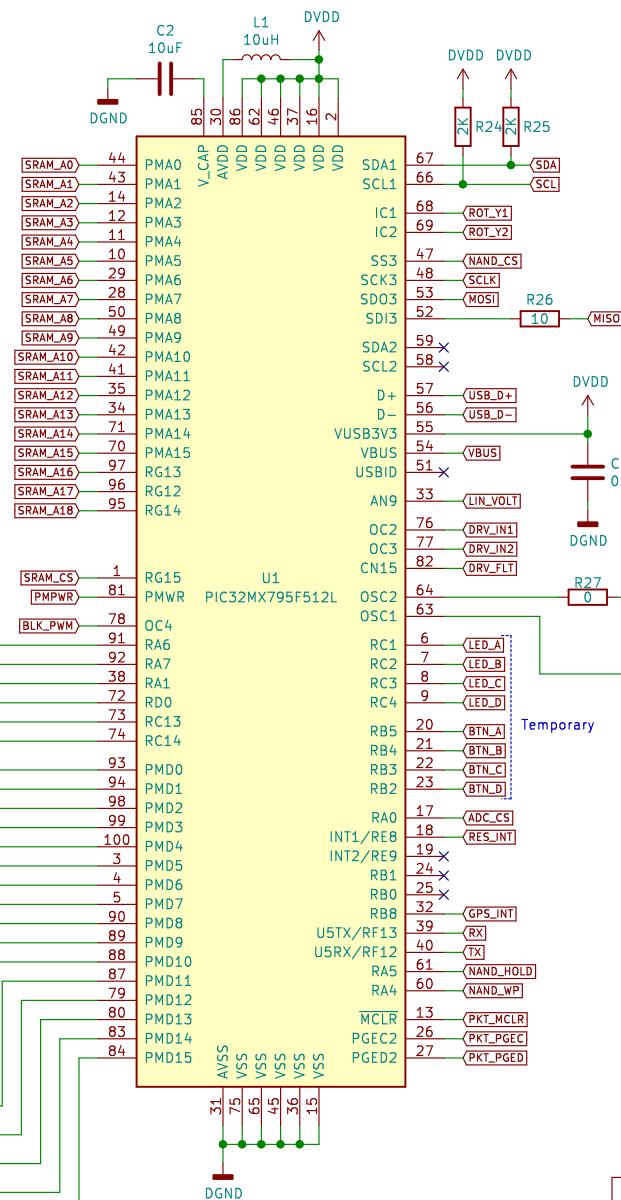
File: croptop\_psu.sch

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Sheet: /		
File: croptop.sch		
Title: CropTop		
Size: USLetter	Date: 2018-11-20	Rev: Revision 8
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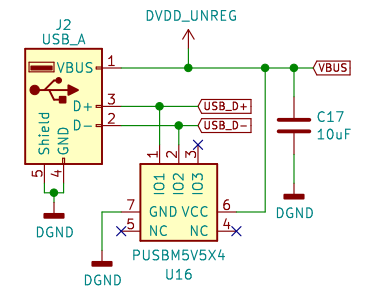
## PICKit3 Header



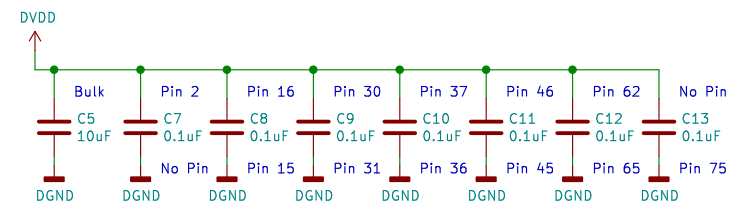
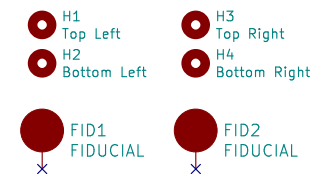
## PIC32 Microcontroller



### Peripheral USB Port



## Mounting Holes & Fiducials



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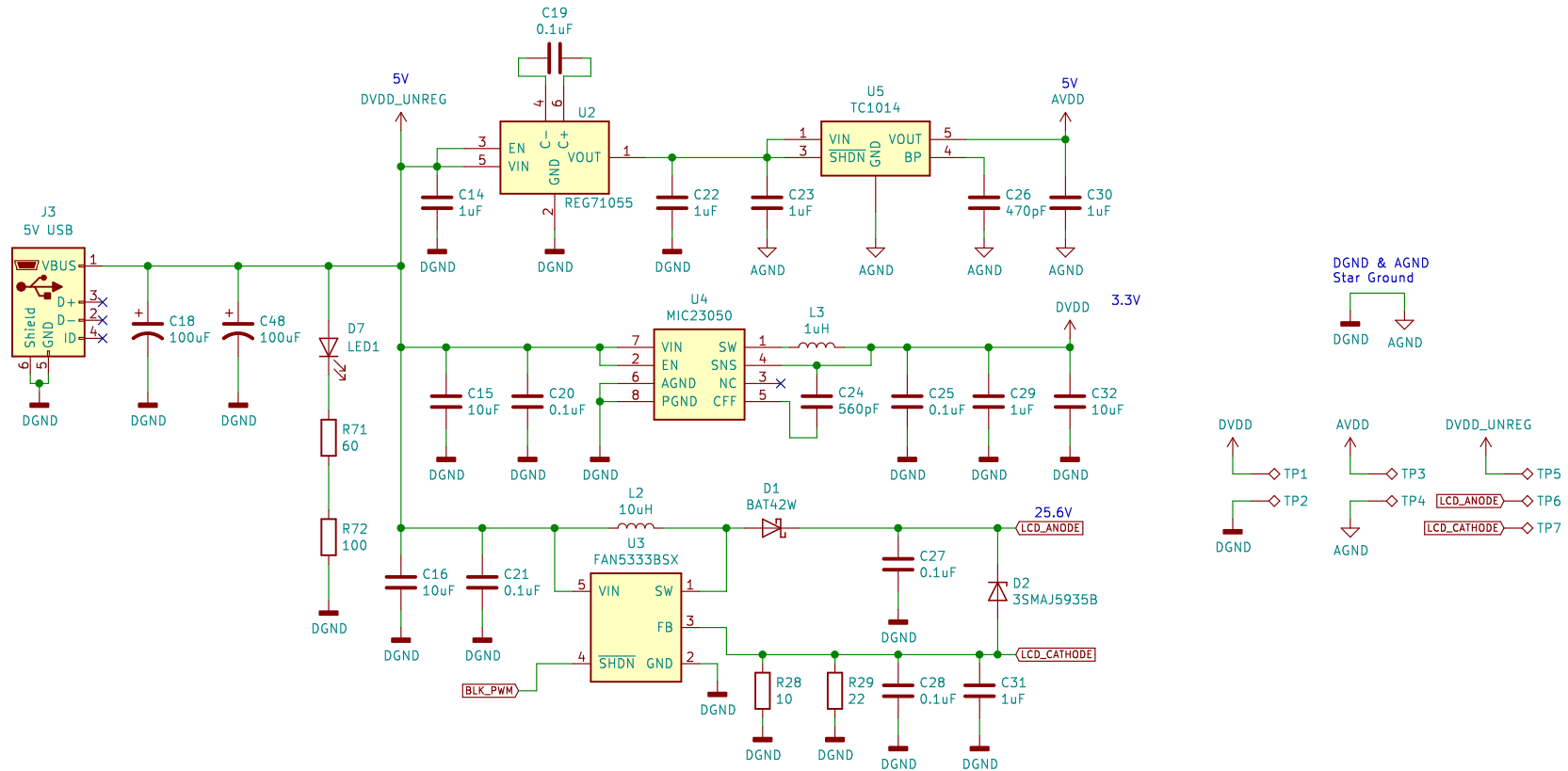
Sheet: /Microcontroller/  
File: croptop\_mcu.sch

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Rev: Revision 8  
Id: 2/6

## Digital & Analog Power Supply



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Sheet: //Power Supply/

File: croptop\_psu.sch

**Title: CropTop**

Size: USLetter Date: 2018-11-20

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**Rev: Revision 8**

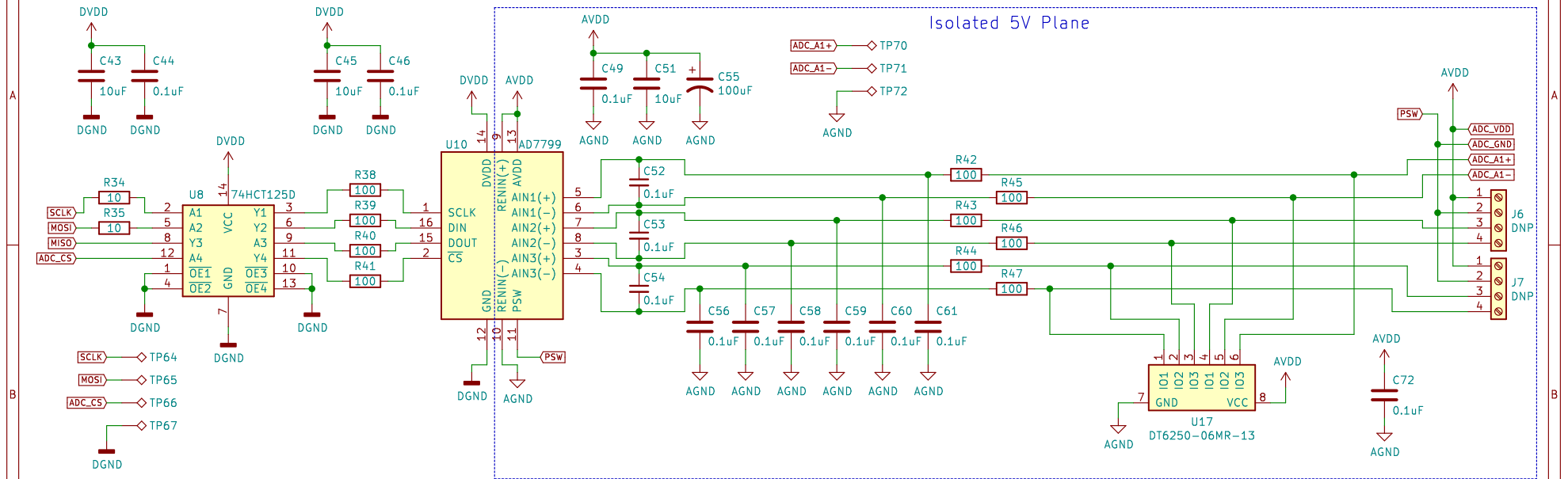
Id: 3/6

## A

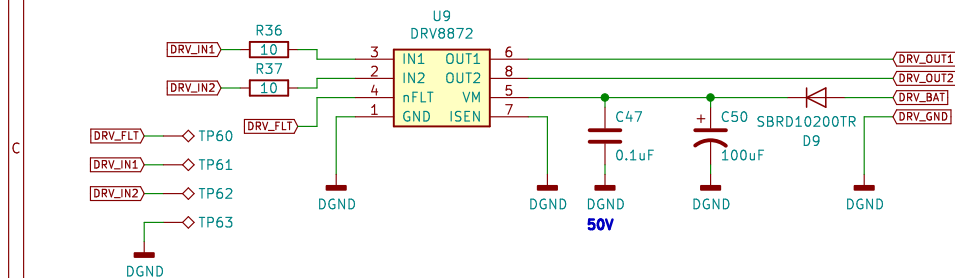


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Sheet: /Display/	
File: croptop_lcd.sch	
<b>Title: CropTop</b>	
Size: USLetter	Date: 2018-11-20
KiCad E.D.A. kicad (5.0.1)-3	Rev: Revision 8
	Id: 4/6

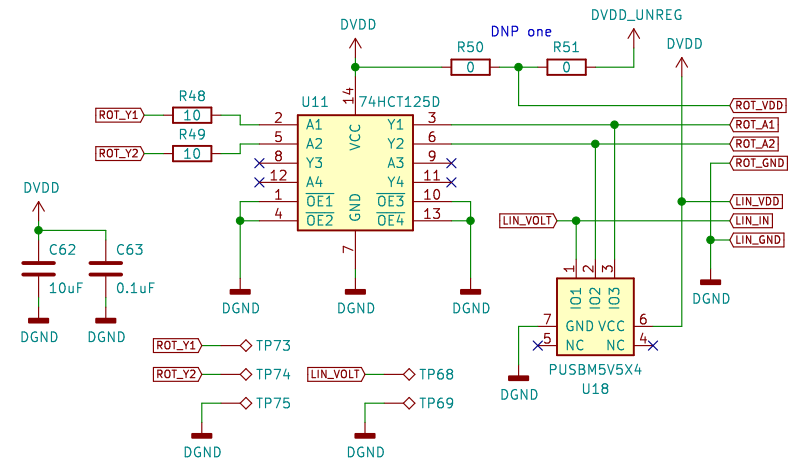
## Force Sensor Interface w/ ADC and Buffer



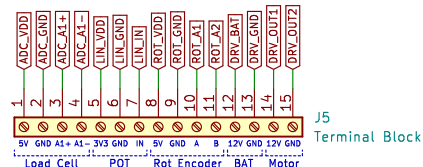
## Linear Actuator Interface w/ DC Motor Driver



## Linear and Rotary Encoder Interface



## Peripheral Terminal Block



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Sheet: /IO Peripherals/

File: croptop\_io.sch

**Title: CropTop**

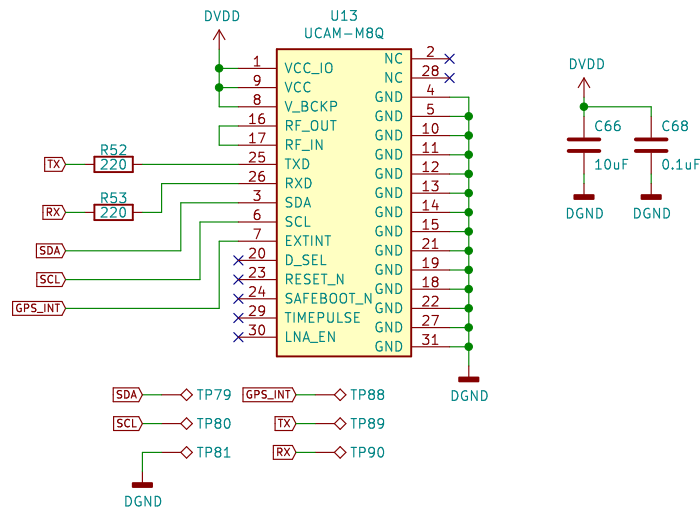
Size: USLetter Date: 2018-11-20

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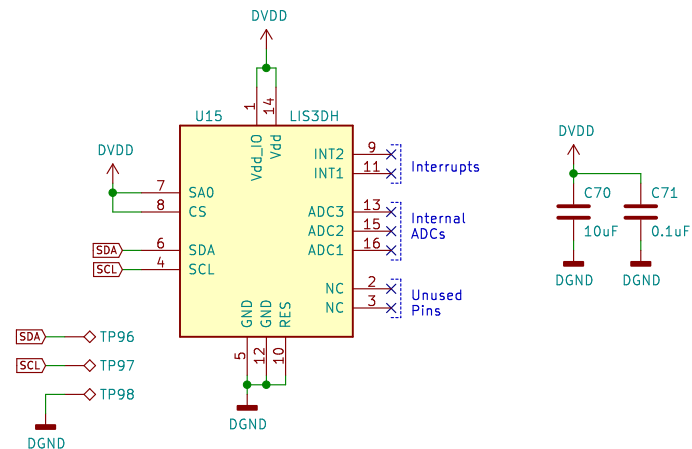
**Rev: Revision 8**

Id: 5/6

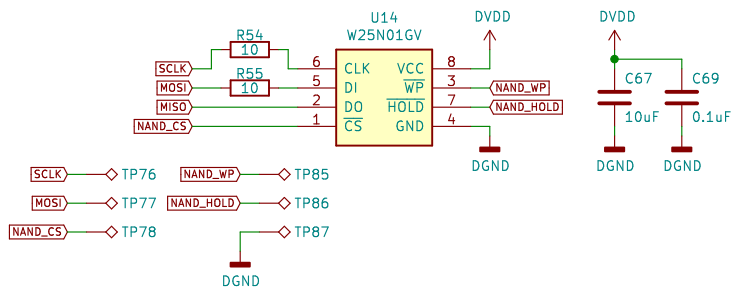
## GPS Antenna and Reciever



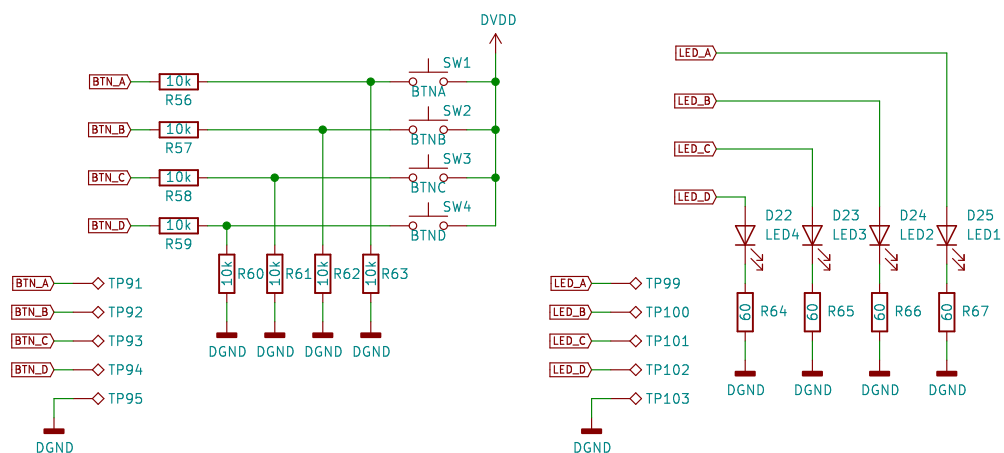
## Three Axis Accelerometer



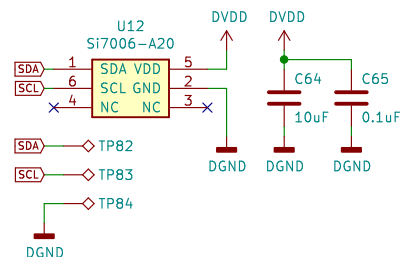
## NAND Flash Memory



## Debugging Buttons and LEDs



## Temperature & Humidity Sensor



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Sheet: /Onboard Peripherals/  
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Id: 6/6