

1

2

3

4

NOTES:

1. THIS SCHEMATIC REFERENCES PCB VERSION: D

CHANGE LOG:

REV D:

1. UPDATED FOOTPRINTS OF D2, D3, D4 TO DECREASE THE dY SPACING OF THE PADS FROM 1.25MM TO 0.9MM PER AML FEEDBACK.

A

A

B


B

C

C

D

D

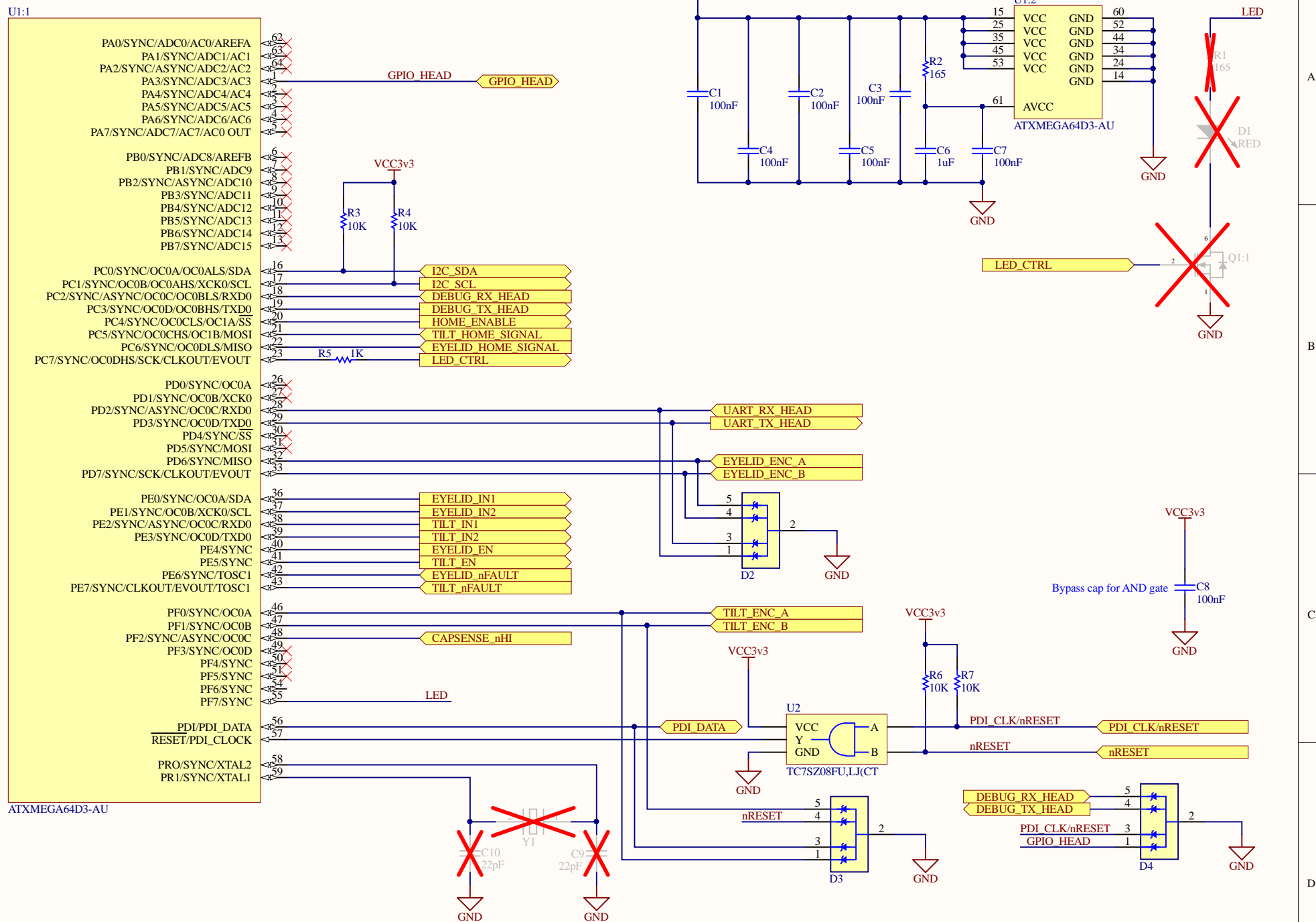
Barbarossa, Head Board			Mayfield Robotics 400 Convention Way Redwood City, CA, 94063		
Designer: J. Bevis, B. Greer					
Number: CE-00024		Revision: D01			
File: Barbarossa_D_SCH_1.SchDoc	Size: Letter	Date: 15-SEPT-2017	Sheet 1 of 7		

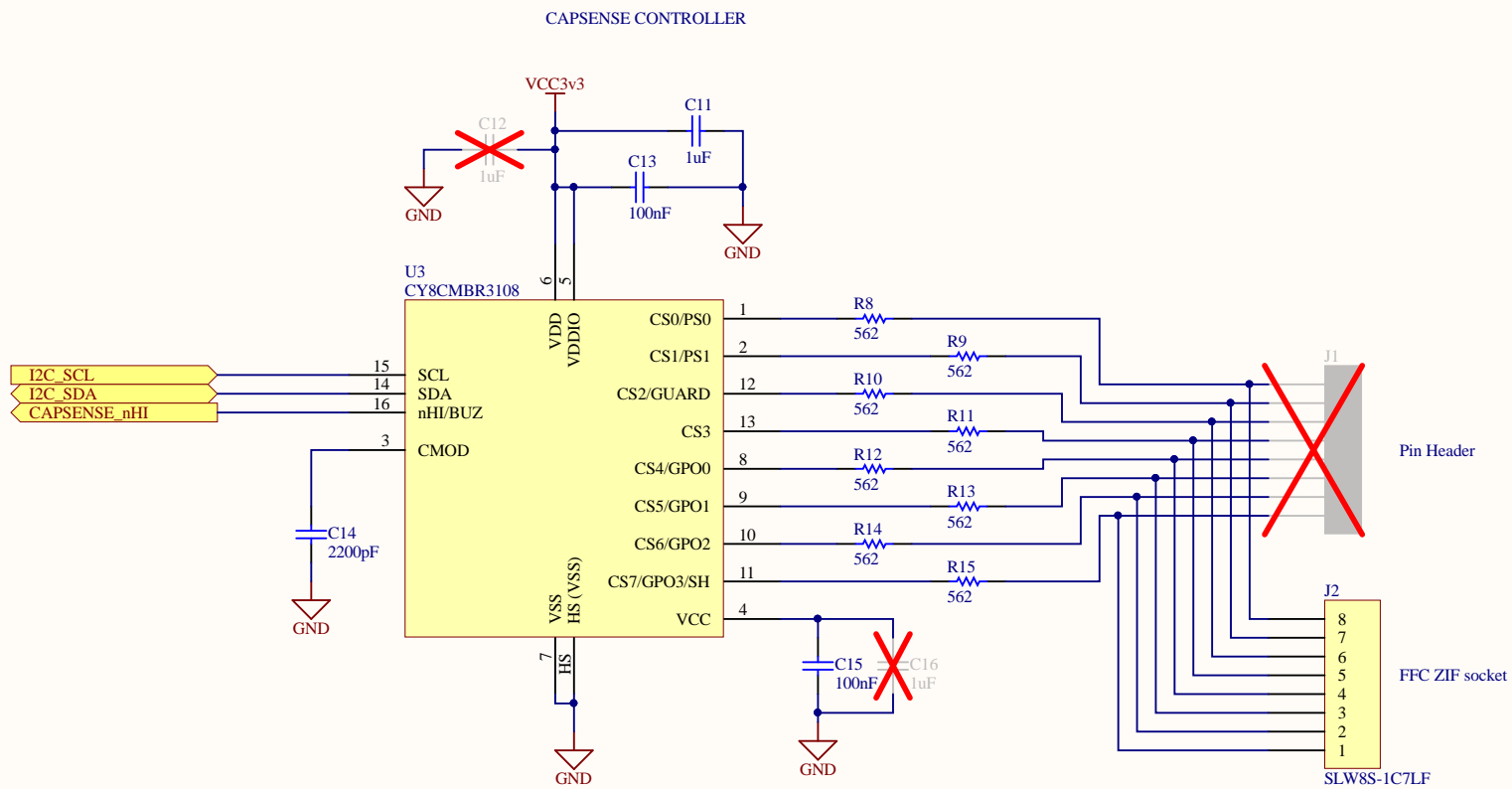
1

2

3

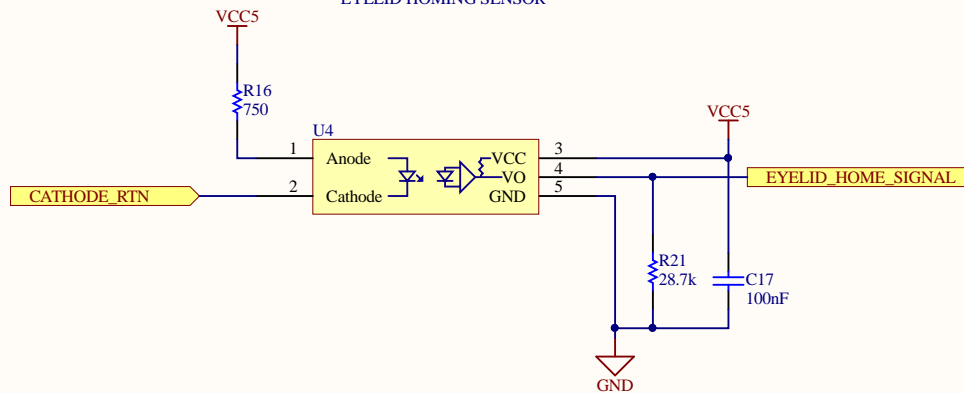
4



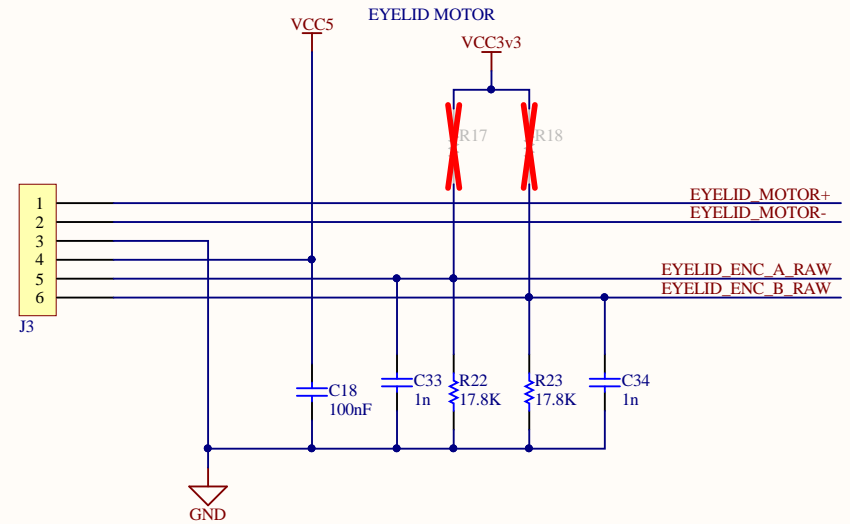


EYELID FUNCTIONS

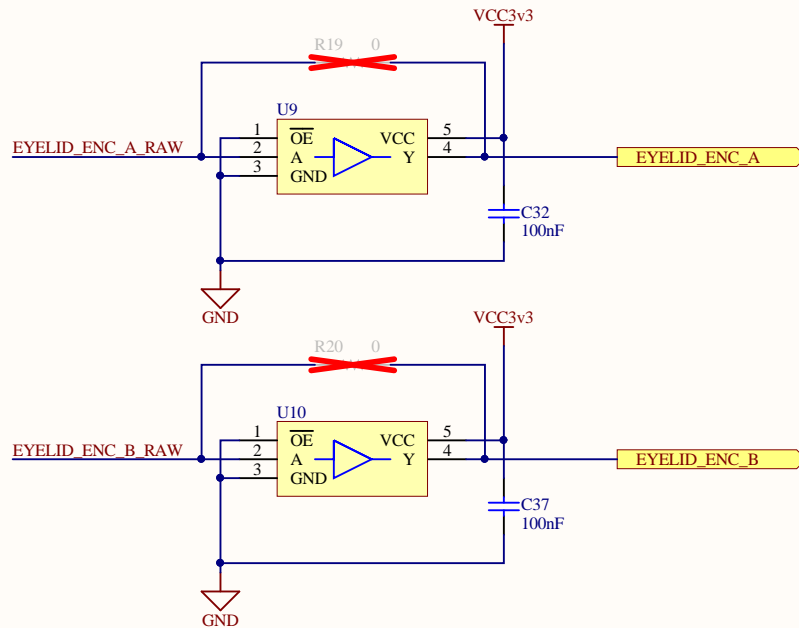
EYELID HOMING SENSOR



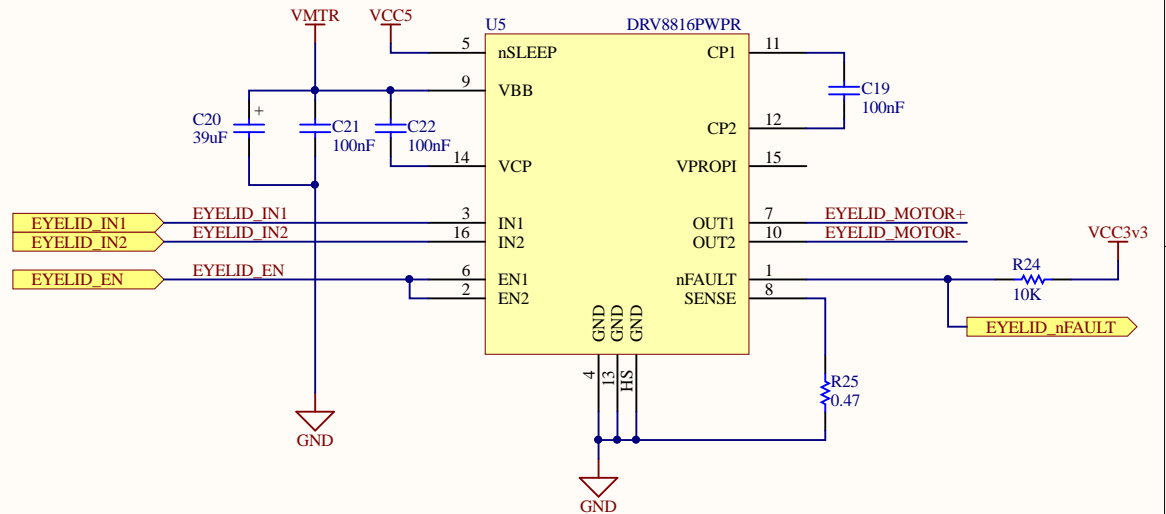
EYELID MOTOR



OPTIONAL ENCODER BUFFERING

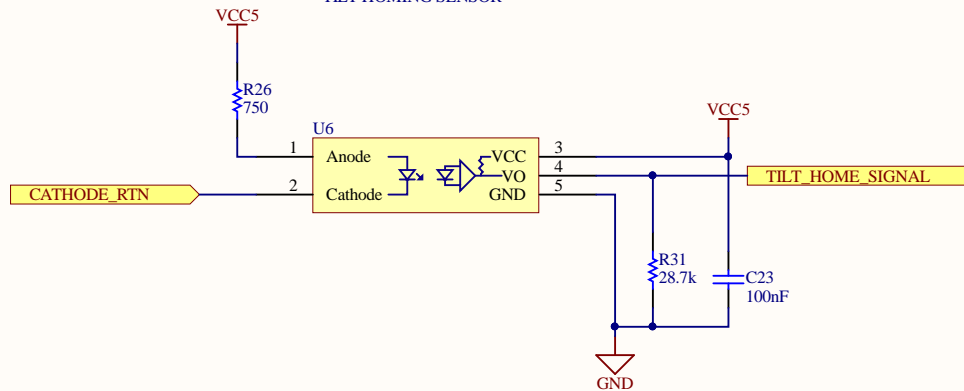


EYELID MOTOR DRIVER

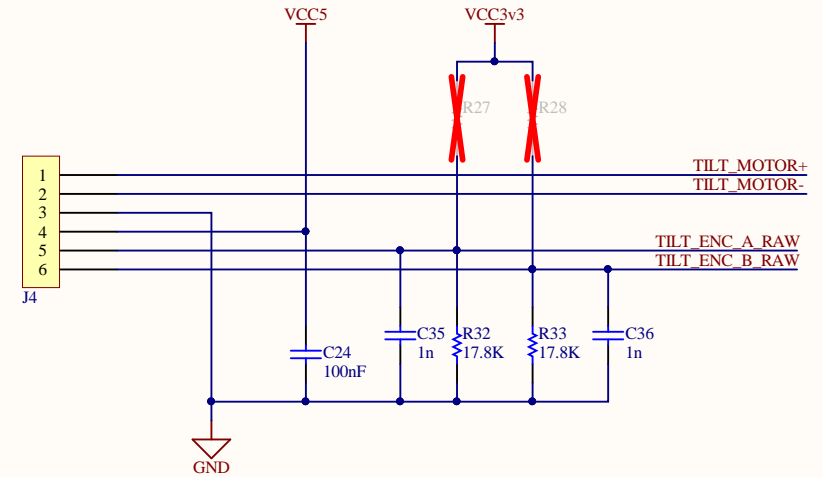


TILT FUNCTIONS

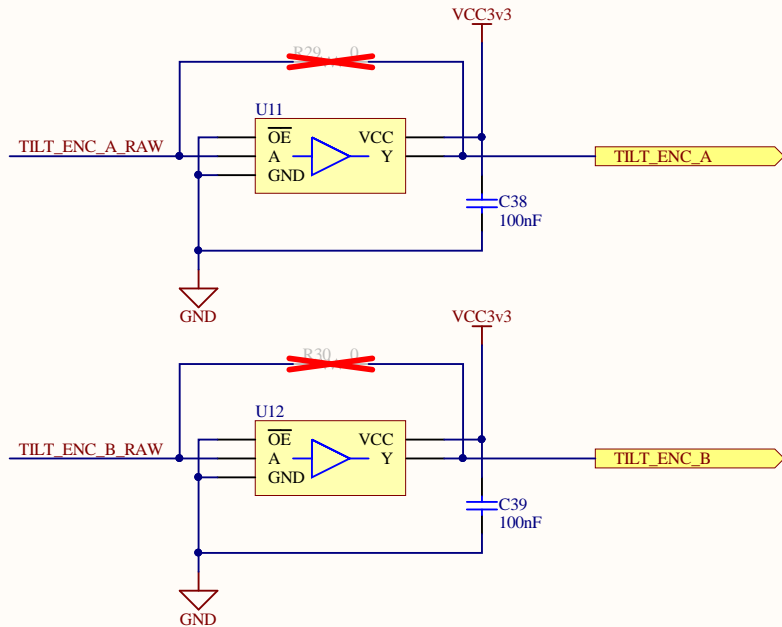
TILT HOMING SENSOR



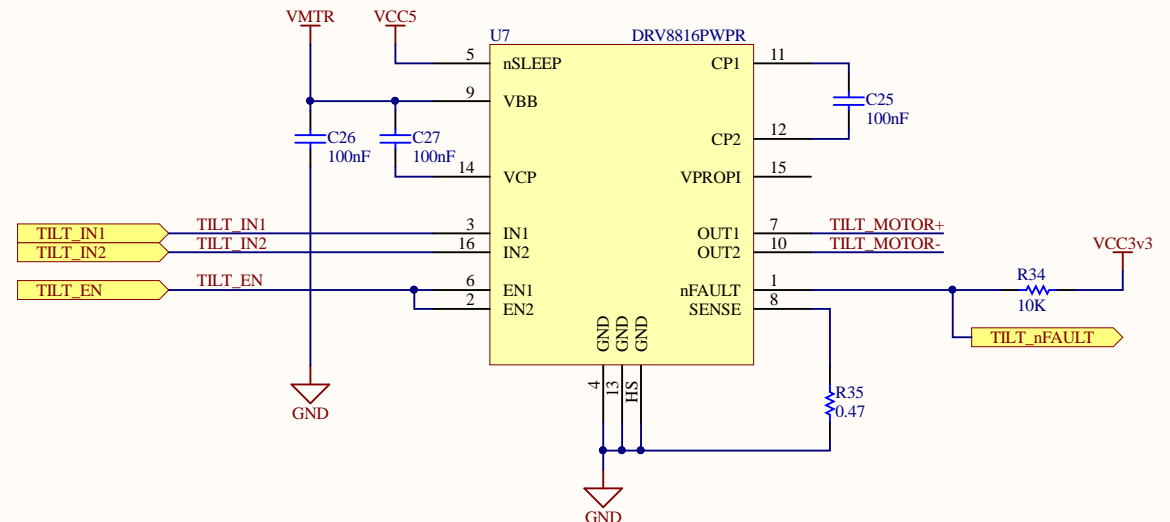
TILT MOTOR



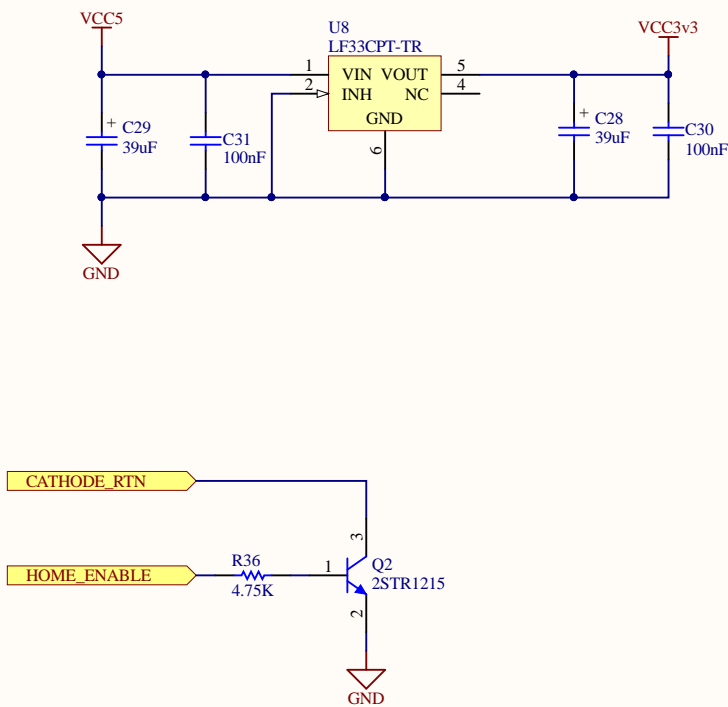
OPTIONAL ENCODER BUFFERING



TILT MOTOR DRIVER

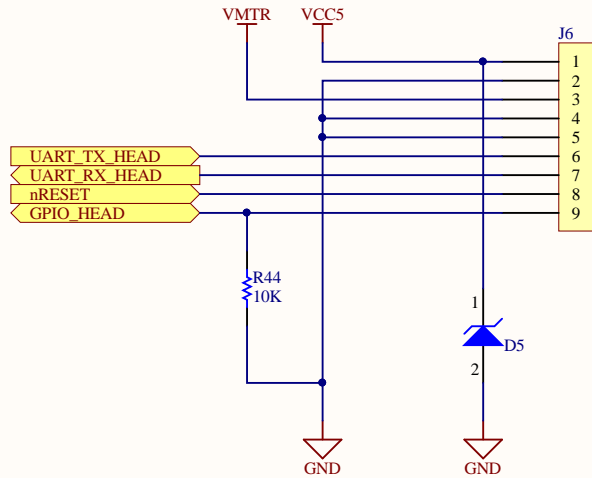


3.3V LDO FOR XMEGA AND PERIPHERALS

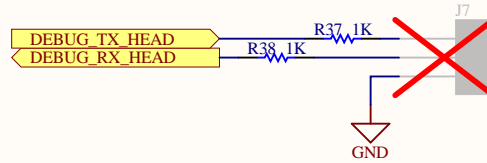


CONNECTORS AND MISC

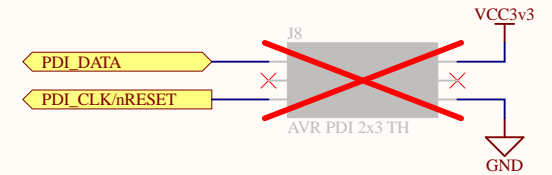
MAIN POWER AND COMMS



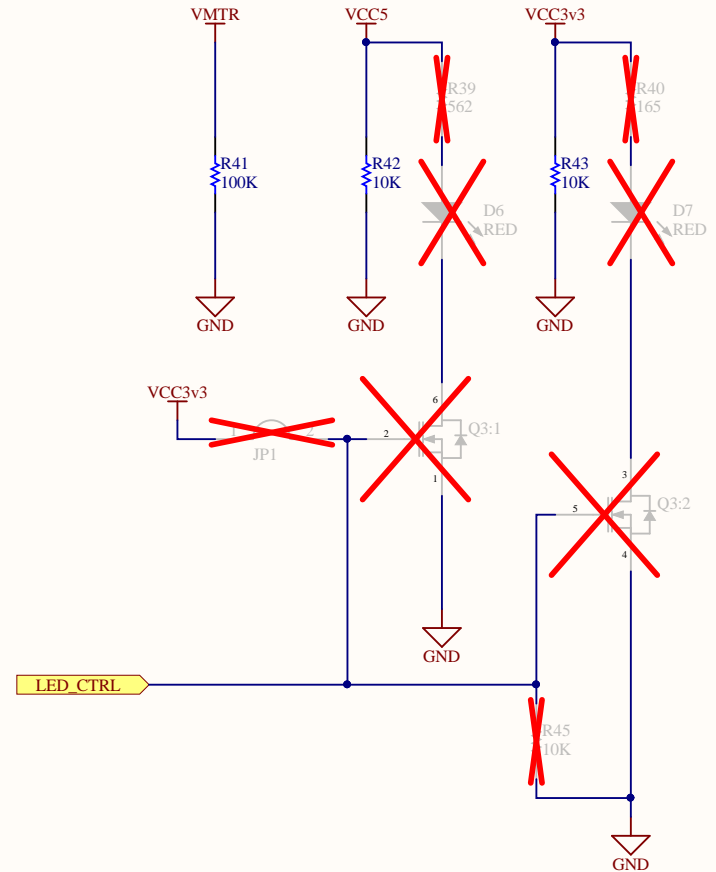
DEBUG PORT



PROGRAMMING PORT



BLEED RESISTORS



GROUND TAP

