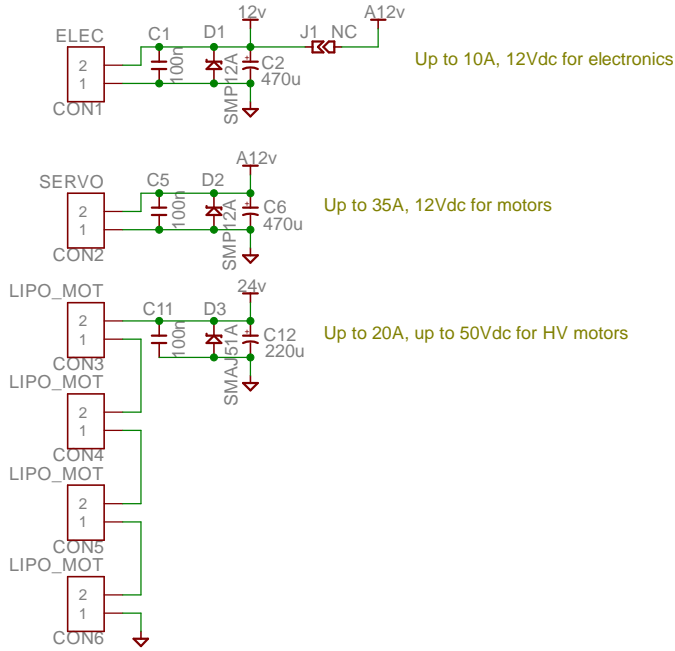


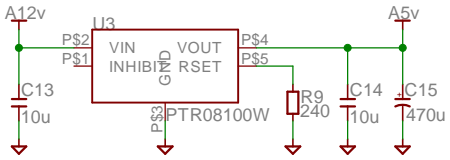
POWER SUPPLY



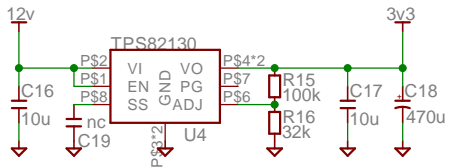
Up to 10A, 12Vdc for electronics

Up to 35A, 12Vdc for motors

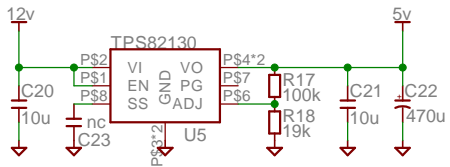
Up to 20A, up to 50Vdc for HV motors



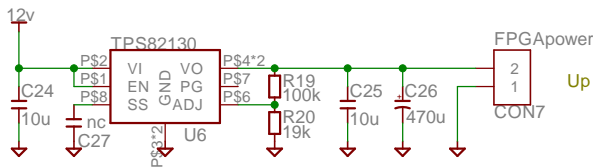
Up to 6A or 10A, 5.5Vdc for servo



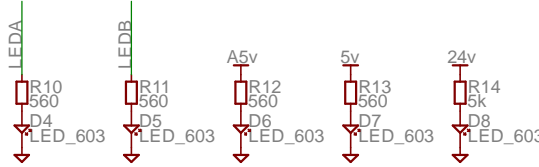
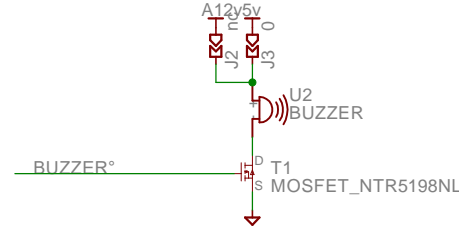
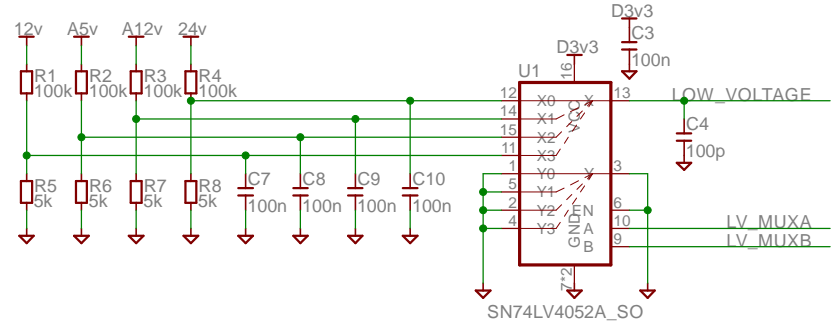
Up to 3A, 3.3Vdc for USB HUB and wifi



Up to 3A, 5Vdc for sensors and ADC

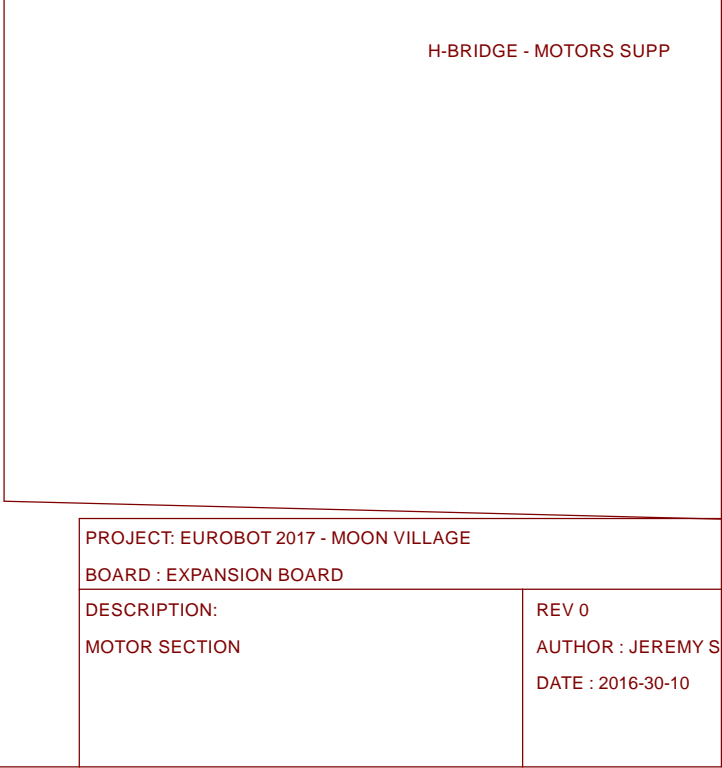
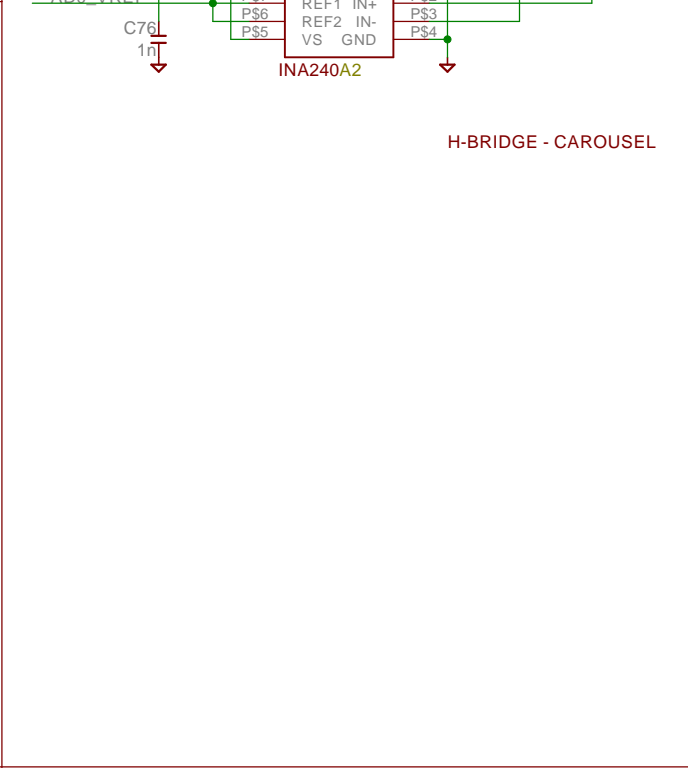
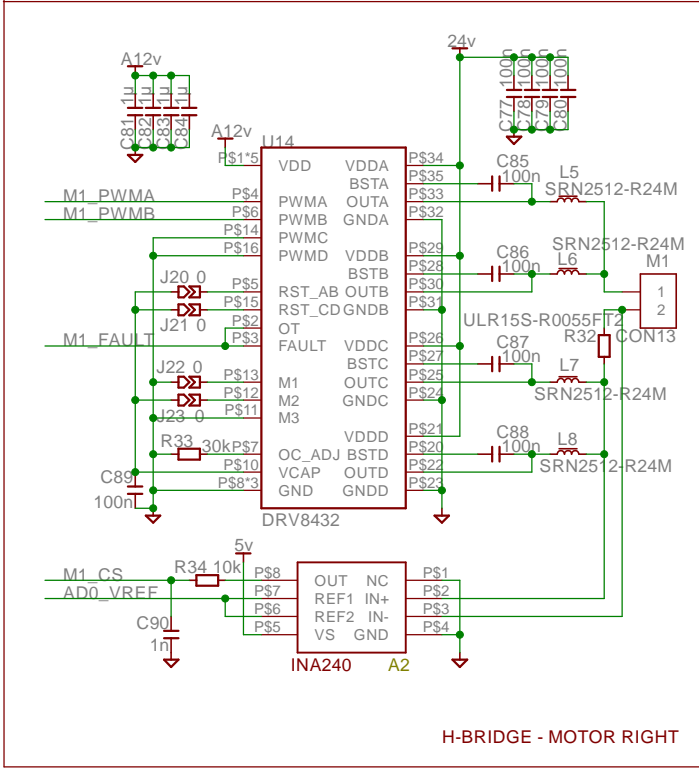
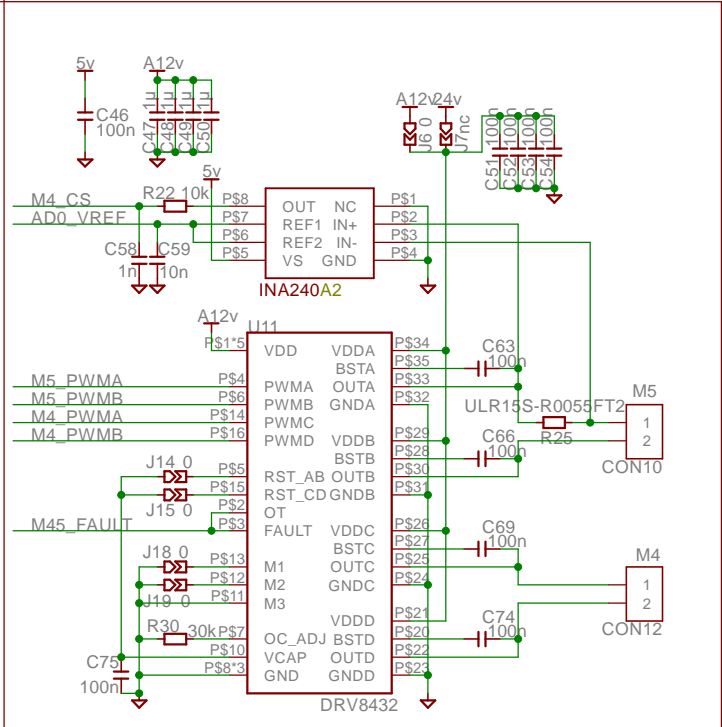
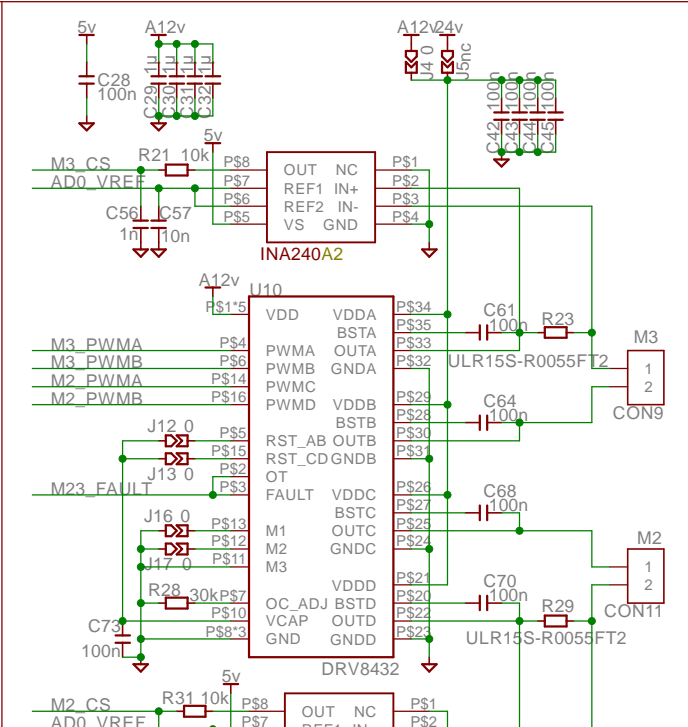
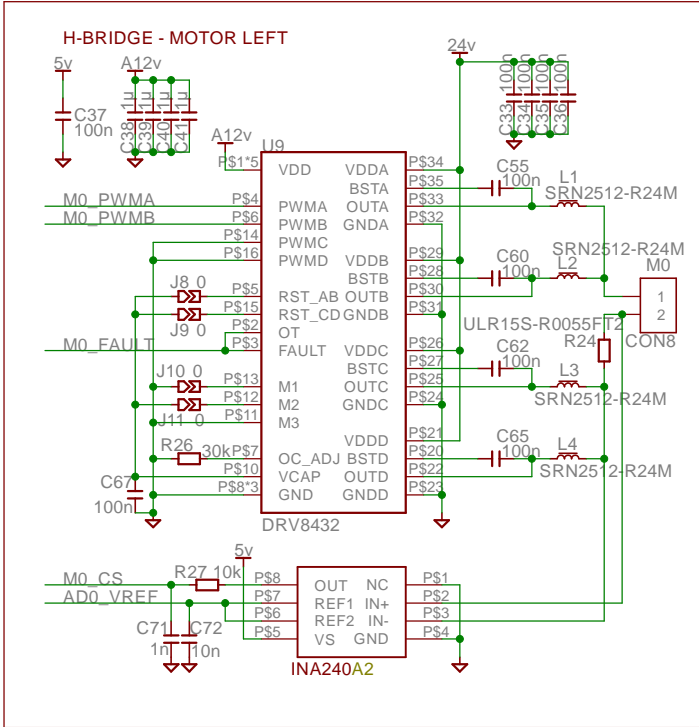


Up to 3A, 5Vdc for FPGA



- D3v3 FPGA logic
- 3v3
- 5v Sensors
- 12v
- A5v Servos
- A12v Motors
- 24v HV motors

PROJECT: EUROBOT 2017 - MOON VILLAGE	
BOARD : EXPANSION BOARD	
DESCRIPTION: POWER SECTION AND ANALOG	REV 0 AUTHOR : JEREMY S. DATE : 2016-30-10



PROJECT: EUROBOT 2017 - MOON VILLAGE

BOARD : EXPANSION BOARD

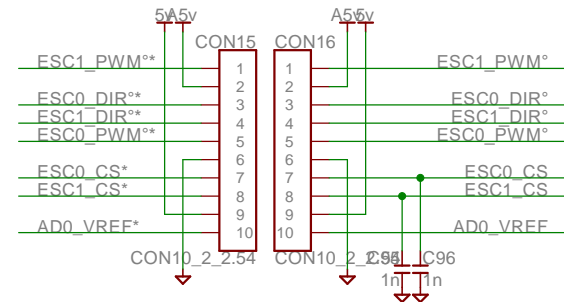
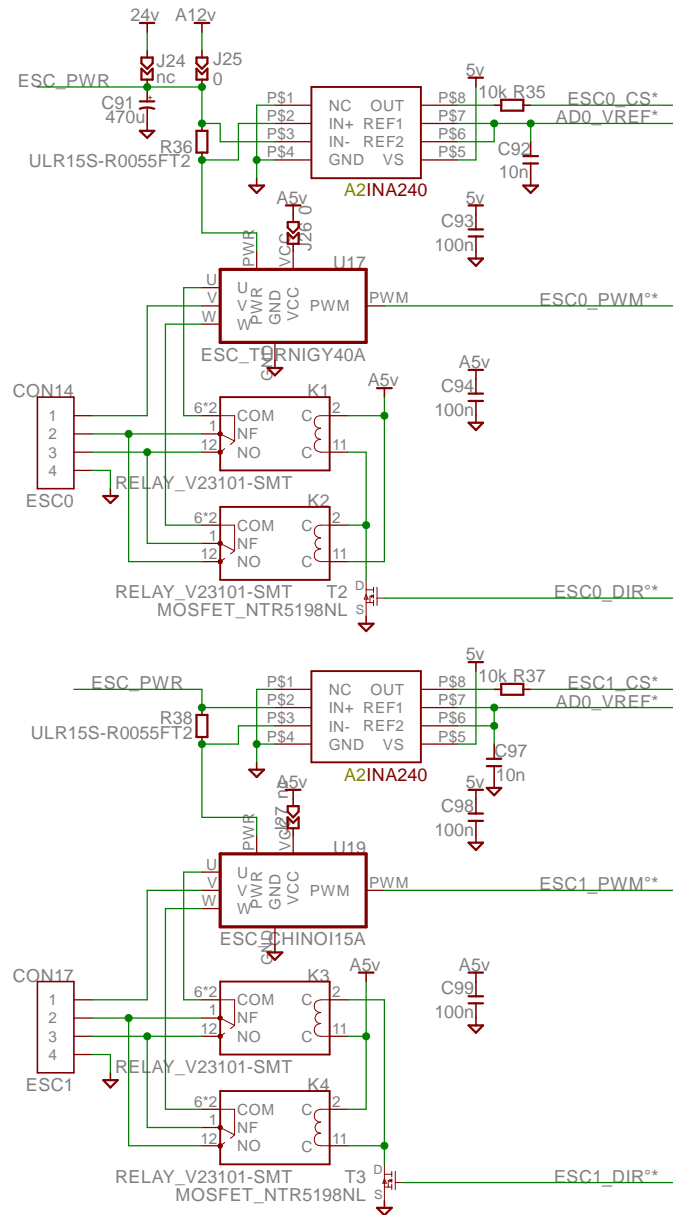
DESCRIPTION:

MOTOR SECTION

REV 0

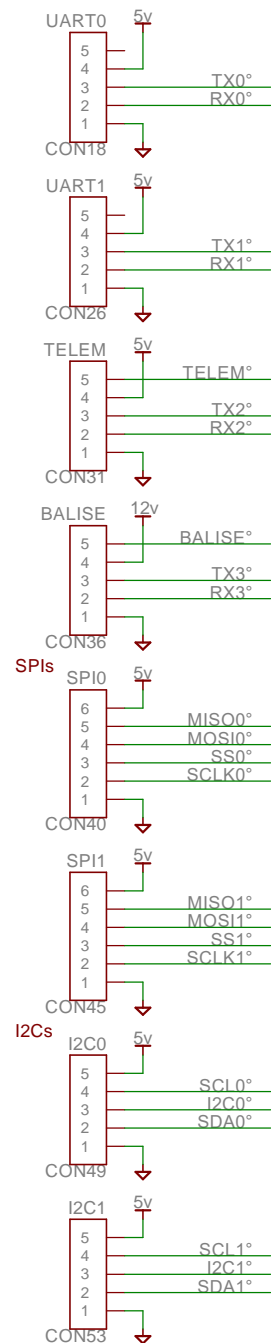
AUTHOR : JEREMY S.

DATE : 2016-30-10

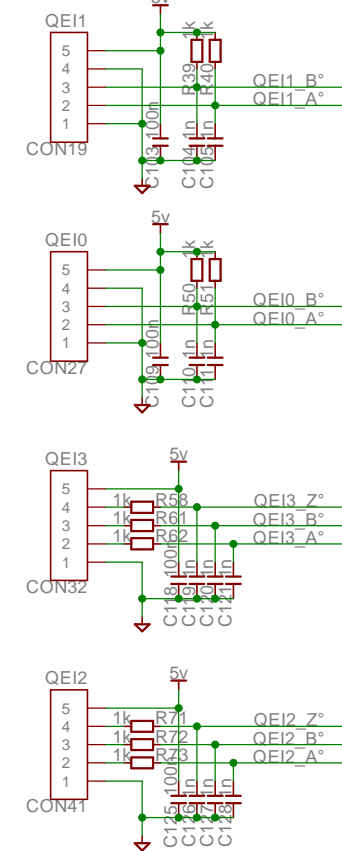


PROJECT: EUROBOT 2017 - MOON VILLAGE	
BOARD : EXPANSION BOARD	
DESCRIPTION: MOTOR SECTION	REV 0 AUTHOR : JEREMY S. DATE : 2016-30-10

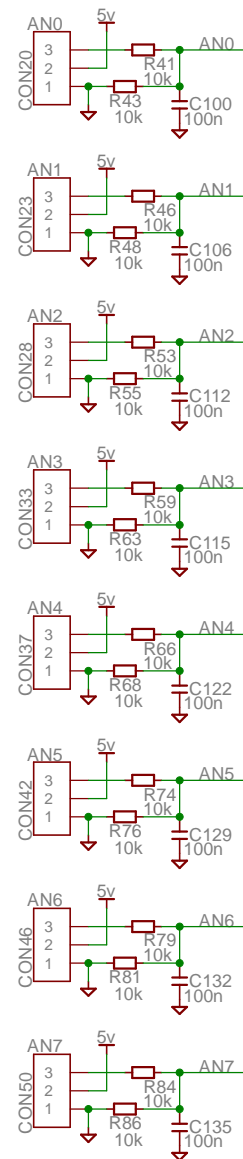
UARTs



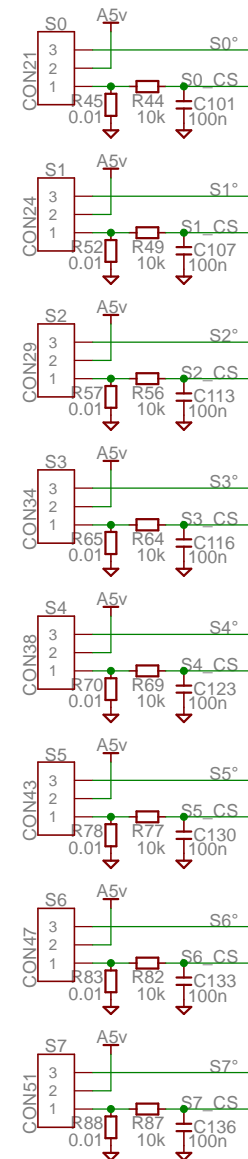
MOTOR QEI



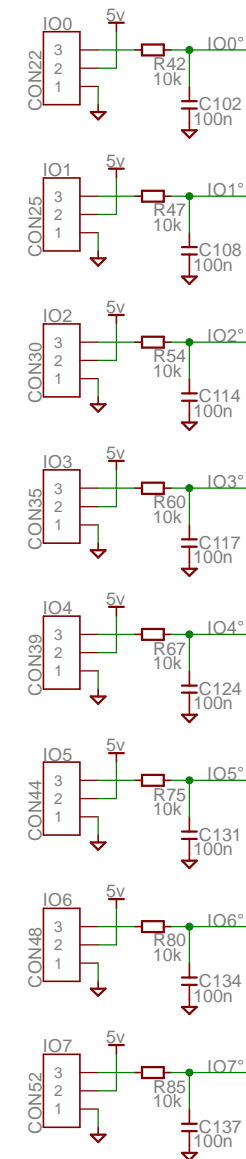
ANALOG I/O



SERVOs



DIGITAL



PROJECT: EUROBOT 2017 - MOON VILLAGE

BOARD : EXPANSION BOARD

DESCRIPTION:

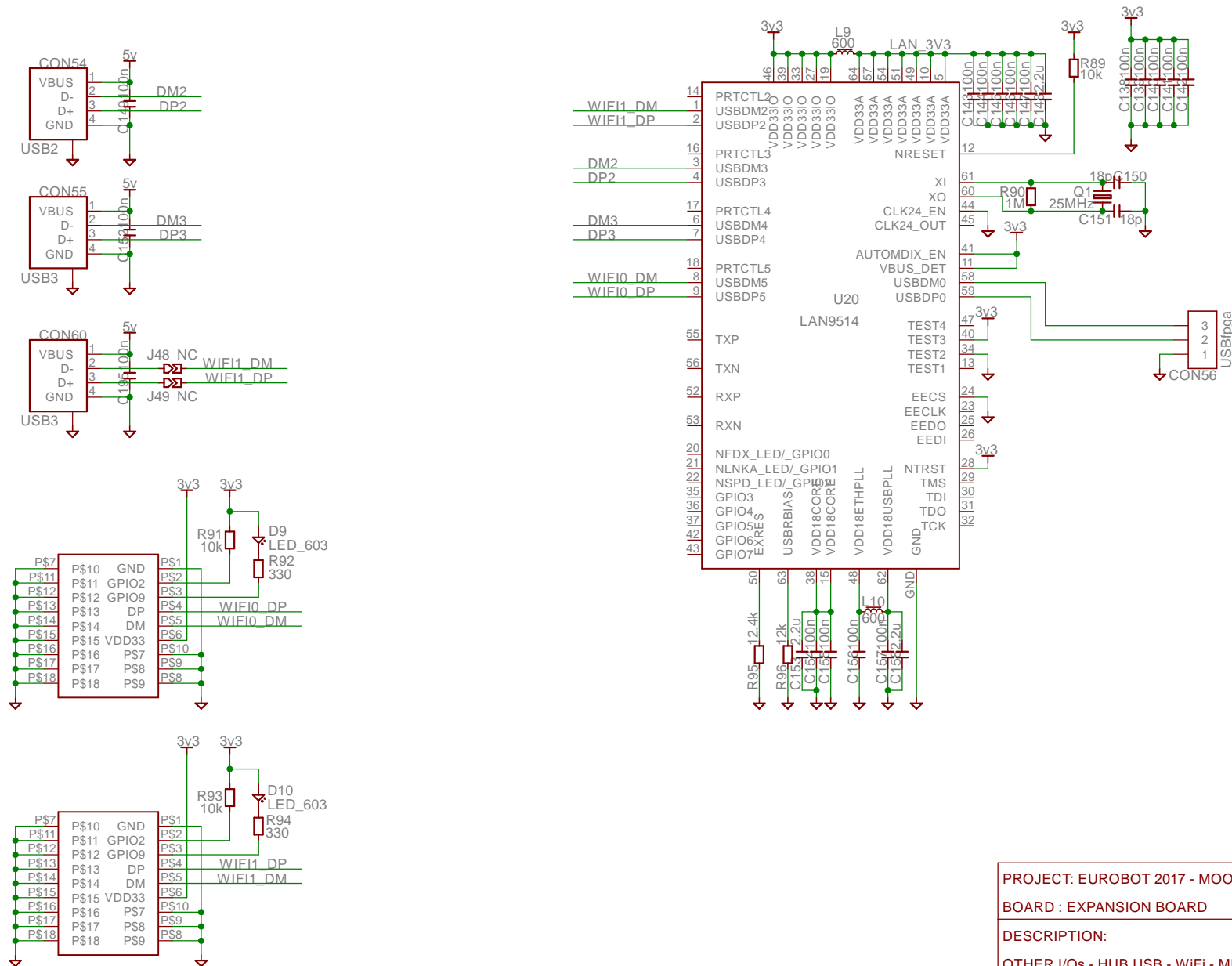
POWER SECTION AND ANALOG

REV 0

AUTHOR : JEREMY S.

DATE : 2016-30-10

HUB USB



WIFI MODULE GEMICOM

PROJECT: EUROBOT 2017 - MOON VILLAGE

BOARD : EXPANSION BOARD

DESCRIPTION:

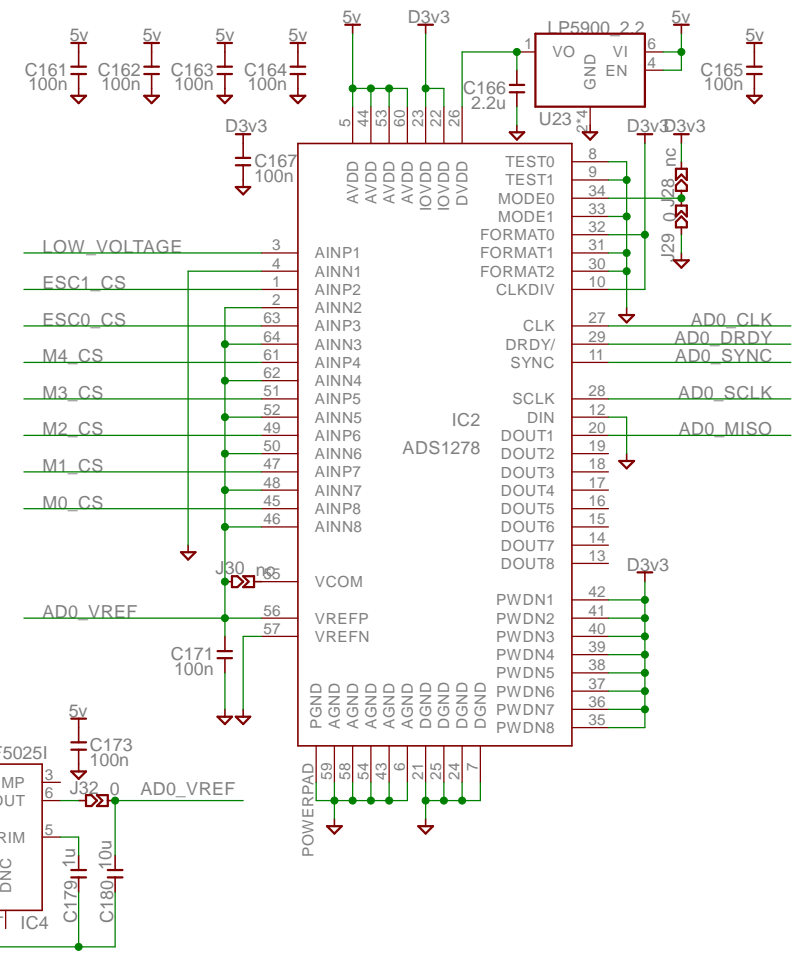
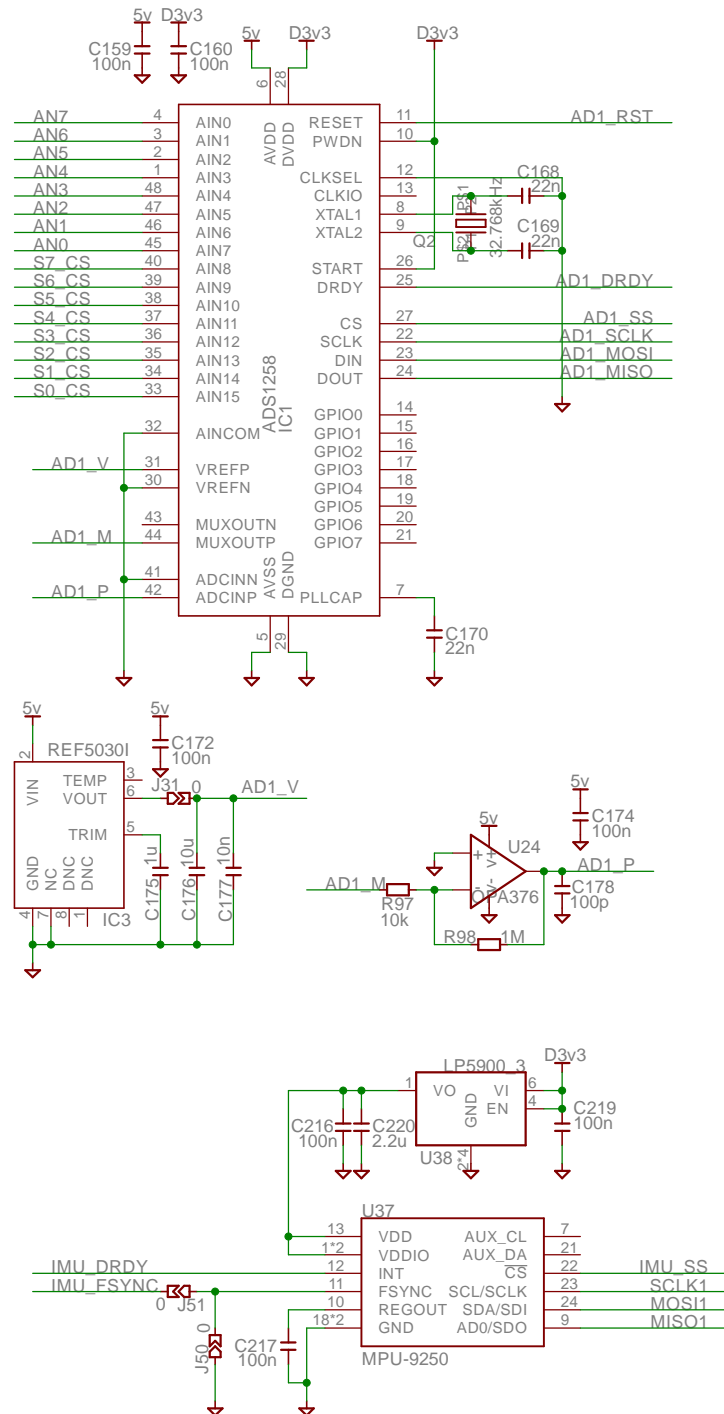
OTHER I/Os - HUB USB - Wi-Fi - MEM

REV 0

AUTHOR : JEREMY S.

DATE : 2016-30-10

ADC



PROJECT: EUROBOT 2017 - MOON VILLAGE

BOARD : EXPANSION BOARD

DESCRIPTION:

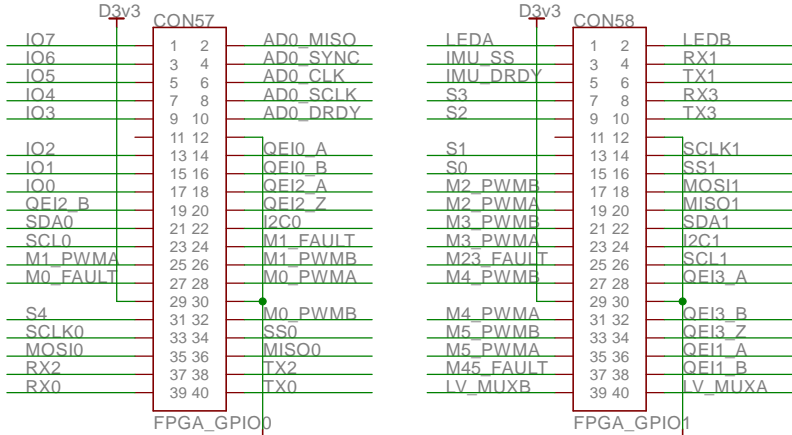
OTHER I/Os - HUB USB - WiFi - MEM

REV 0

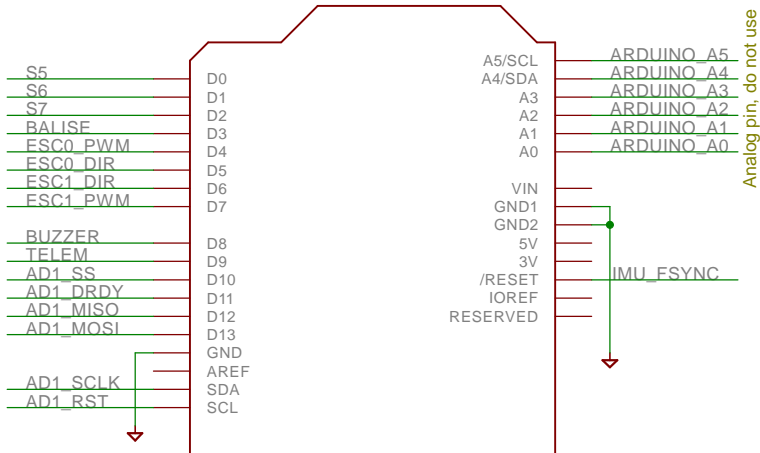
AUTHOR : JEREMY S.

DATE : 2016-30-10

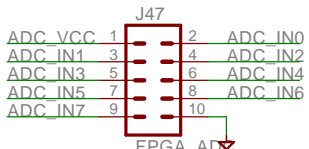
2X20 GPIO EXPANSION HEADERS FPGA



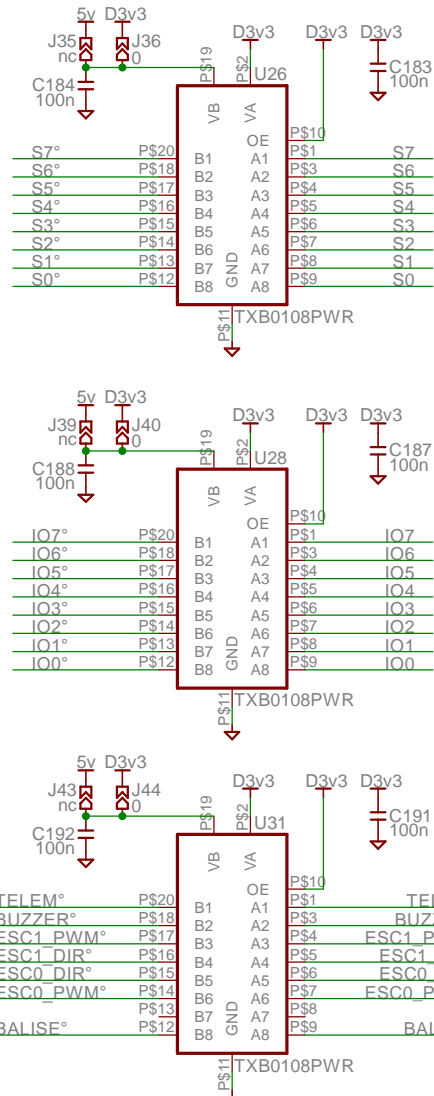
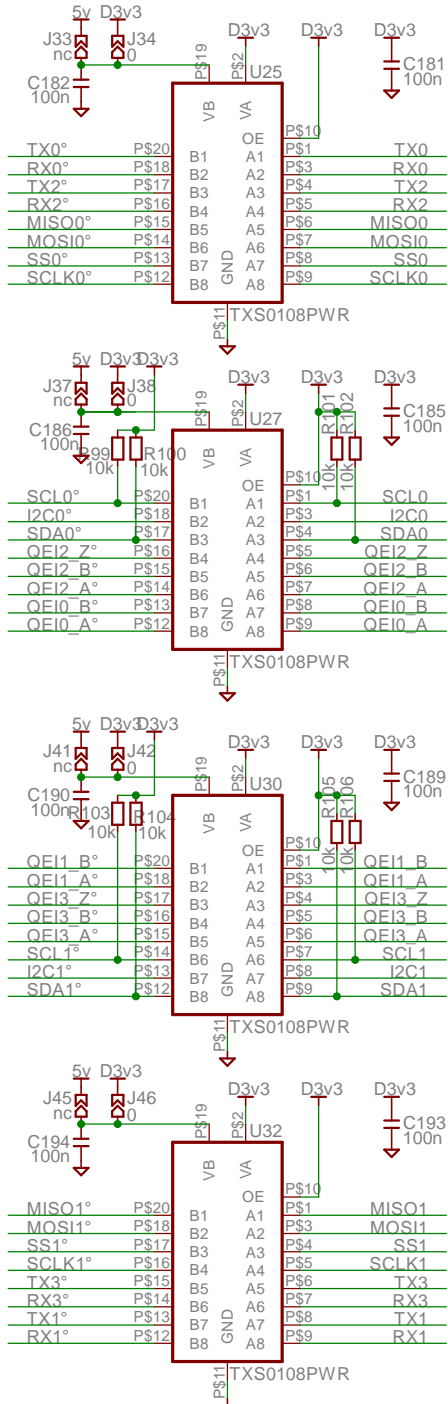
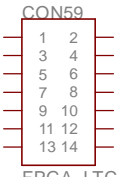
ARDUINO UNO R3 EXPANSION HEADER



A/D Converter and Analog Input



Analog pin, do not use



PROJECT: EUROBOT 2017 - MOON VILLAGE

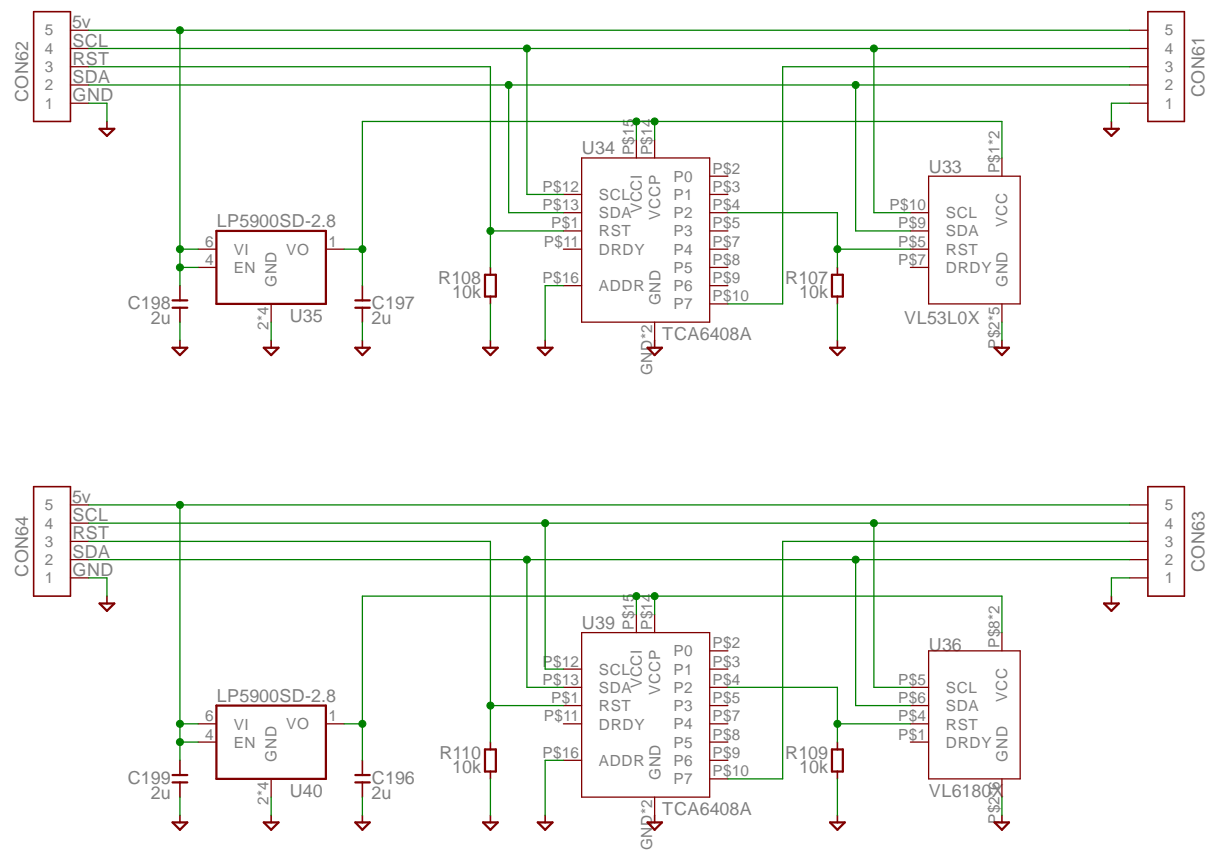
BOARD · EXPANSION BOARD

DESCRIPTION:
EPGA CONNECTORS

REV 0

AUTHOR · JEREMY S

DATE · 2016-30-10



PROJECT: EUROBOT 2017 - MOON VILLAGE

BOARD : EXPANSION BOARD

DESCRIPTION:
FPGA CONNECTORS

REV 0
AUTHOR : JEREMY S.
DATE : 2016-30-10