

CyBOT PMIC's

power.SchDoc

OL_UART4_Tx
OL_UART4_Rx



Block Diagram

Cross-Sheet Organization

TIVA / WiFi modules

micros.SchDoc

OL_UART4_Rx
OL_UART4_Tx

LP_UART1_Rx
LP_UART1_Tx

PB_SW1
PB_SW2
PB_SW3
PB_SW4

IMU I2C ADDR/GPIO1
IMU I2C RSTN/GPIO2
IMU I2C INT/GPIO3

AIN9
AIN8

SCL1
SDA1

IR1
PING_CAP_1
SERVO_2

LCD_DATA7
LCD_DATA6
LCD_DATA5
LCD_DATA4

LCD_EN
LCD_RW
LCD_RS

WiFi_Jumper0
WiFi_Jumper1
WiFi_Jumper2
WiFi_Jumper3

CyBOT IO's

connectors.SchDoc

LP_UART1_Rx
LP_UART1_Tx

PB_SW1
PB_SW2
PB_SW3
PB_SW4

IMU I2C ADDR/GPIO1
IMU I2C RSTN/GPIO2
IMU I2C INT/GPIO3

AIN9
AIN8

SCL1
SDA1

IR1
PING_CAP_1
SERVO_2

LCD_DATA7
LCD_DATA6
LCD_DATA5
LCD_DATA4

LCD_EN
LCD_RW
LCD_RS

WiFi_Jumper0
WiFi_Jumper1
WiFi_Jumper2
WiFi_Jumper3

ISU ECPE iCreate Baseboard BD

Project: *baseboard altium conversion.PrjPcb*

Size: Letter

Date: 3/5/2021

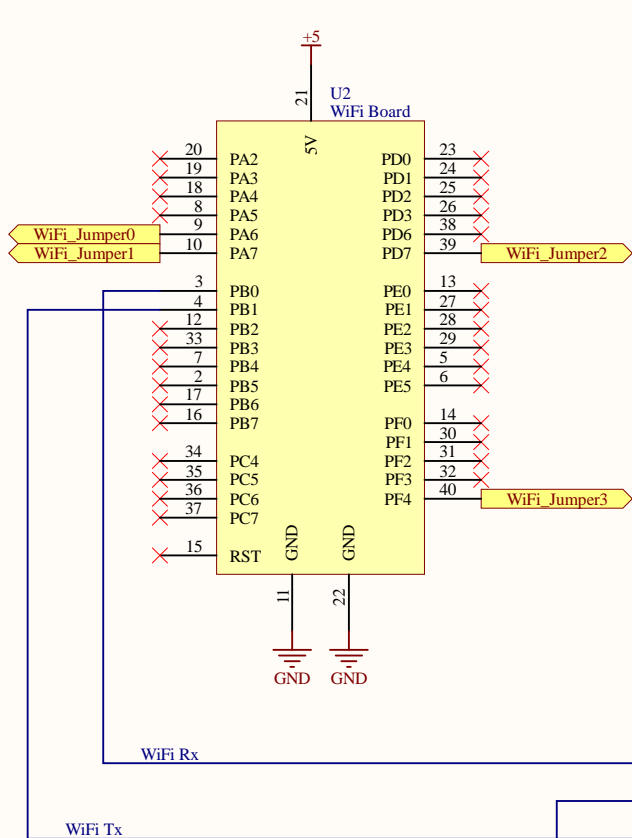
Revision: 0

Engineer: R. Zukowski

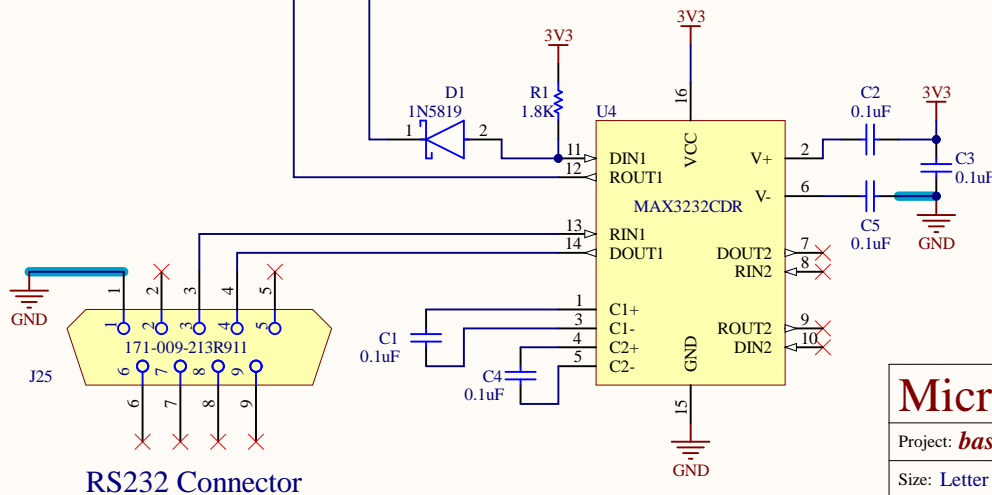
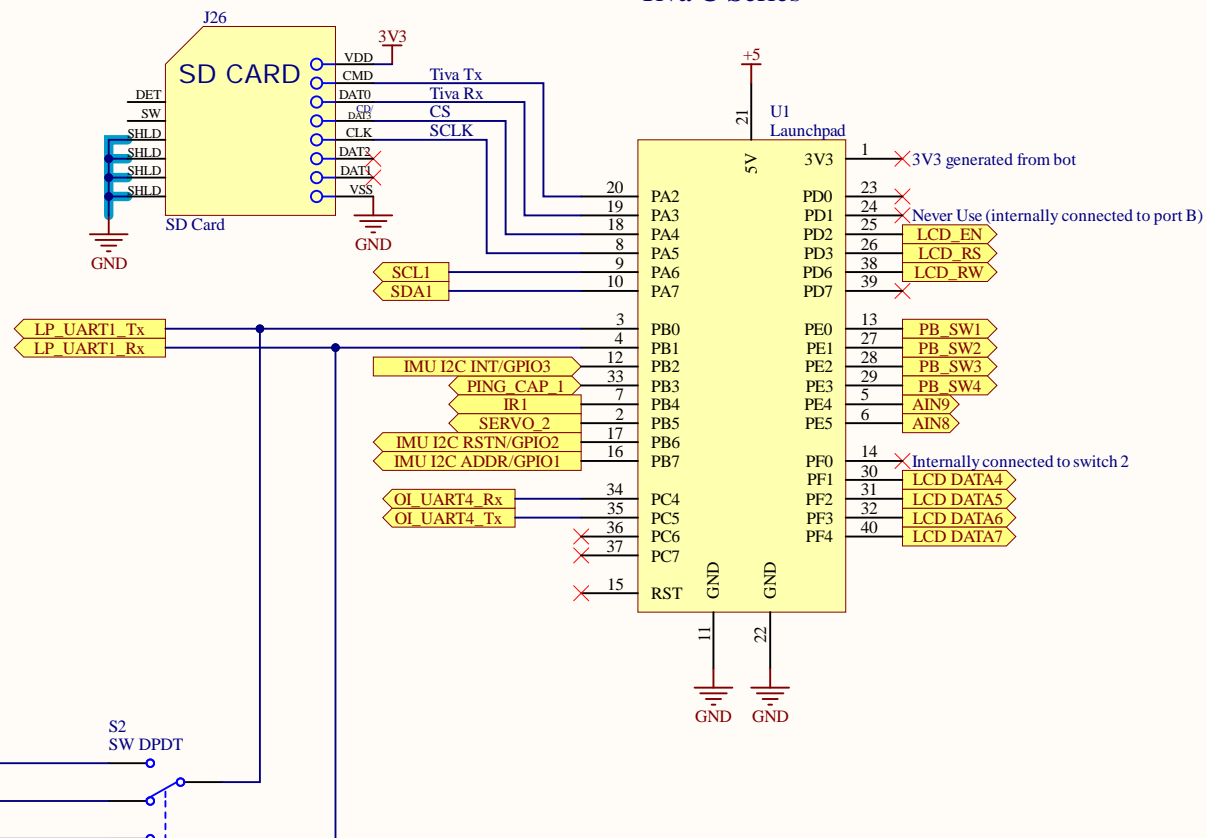
Sheet 1 of 4



ESP WiFi Module



Tiva C Series



Microcontrollers

Project: **baseboard altium conversion.PrjPcb**

Size: Letter

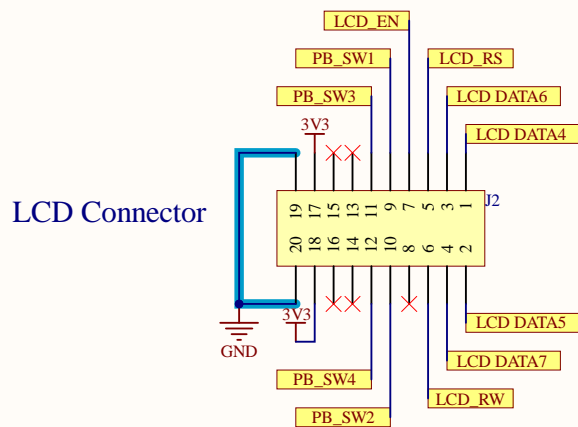
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Revision: 0

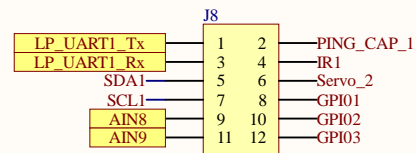
Engineer: R. Zukowski

Sheet 2 of 4

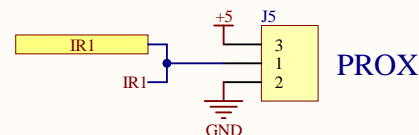
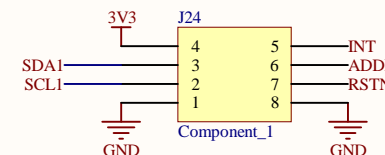




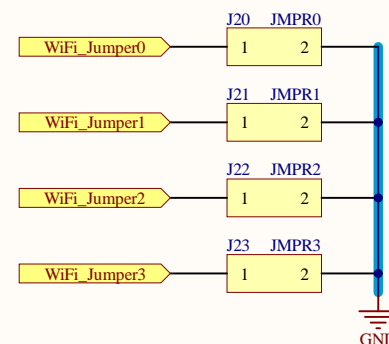
Test Points



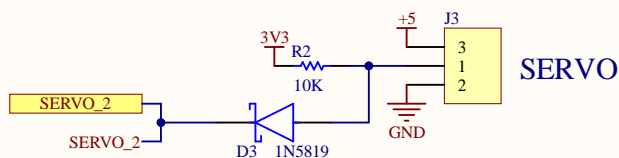
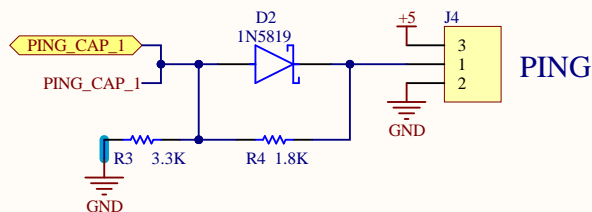
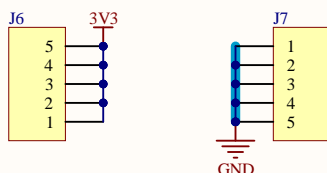
IMU



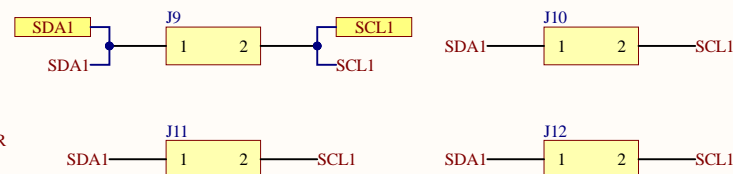
WiFi Address Jumpers



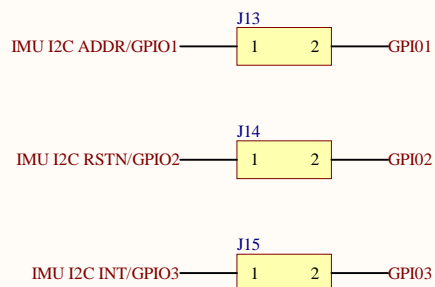
3V3/GND Breakouts



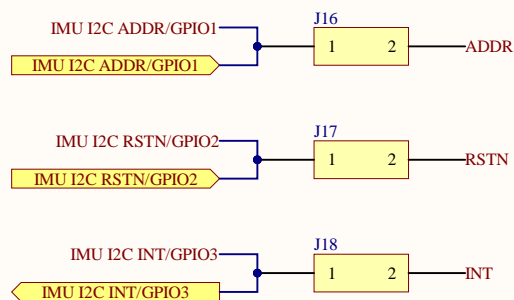
IC2 BUS



GPIO JUMPERS



IMU JUMPERS



Short to use

Connectors

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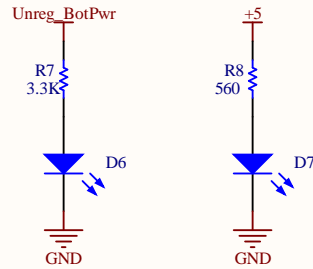
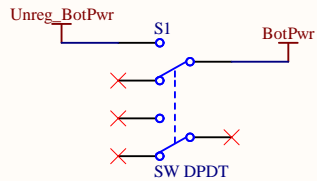
Revision: 0

Engineer: R. Zukowski

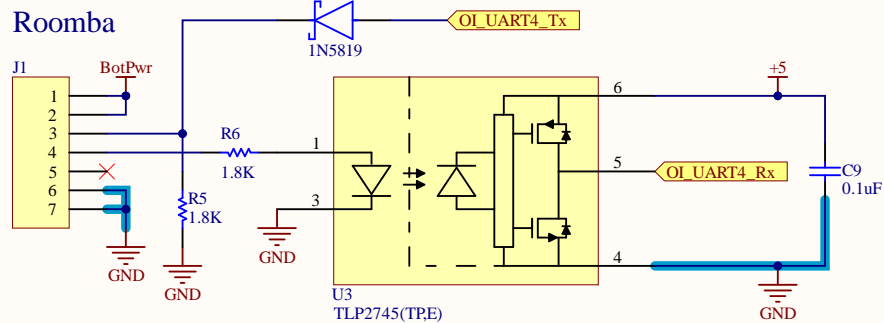
Sheet 3 of 4



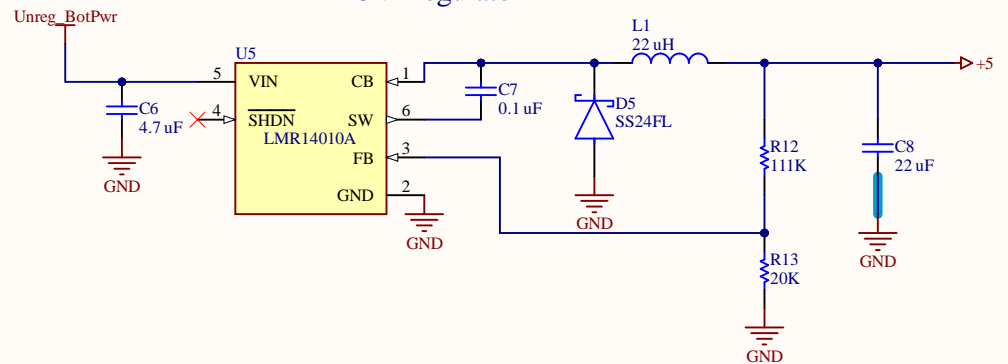
Baseboard Power Switch



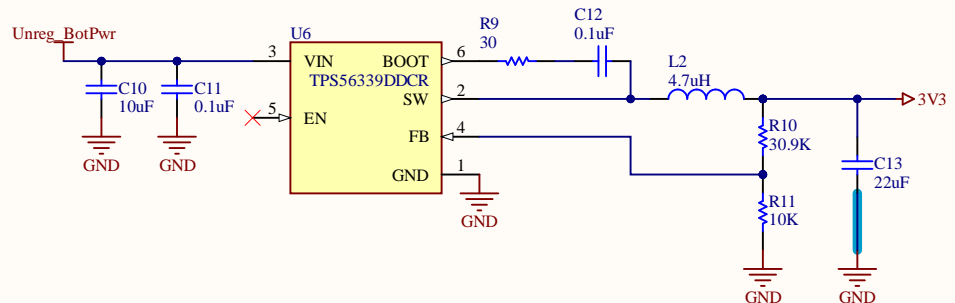
Optoisolator



5V Regulator



3V Regulator



Power

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