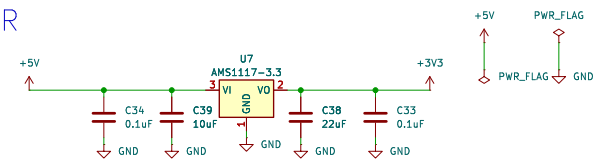
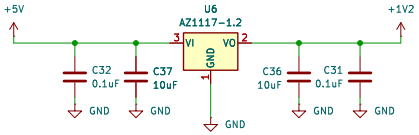
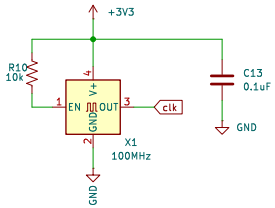
Thejas32

POWER

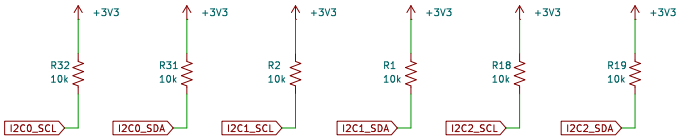


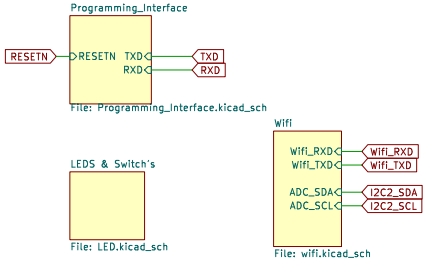


Oscillator

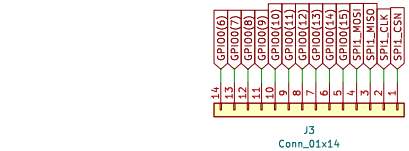


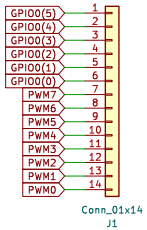
I2C Pullups

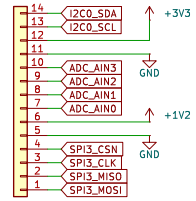


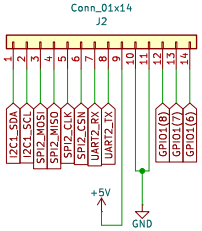


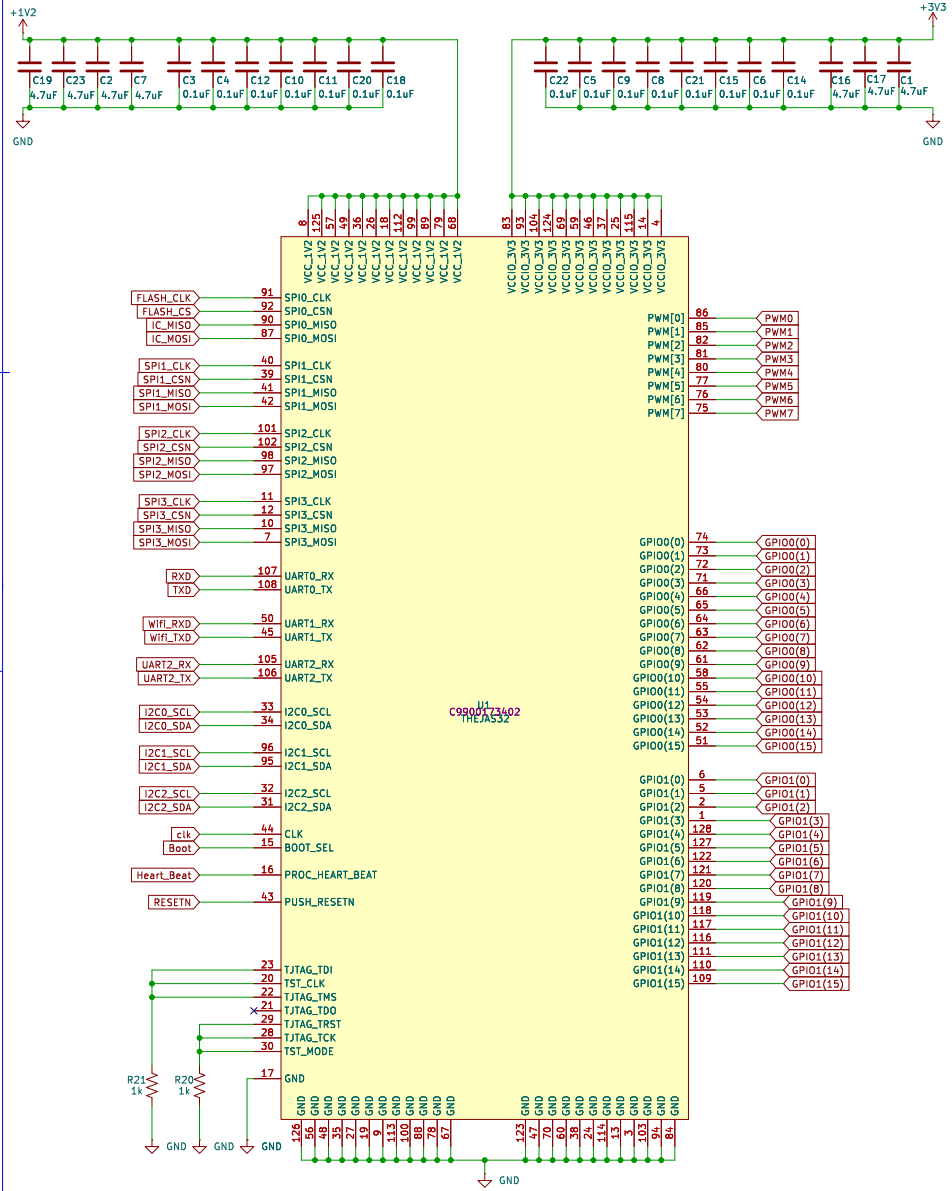
IO Header











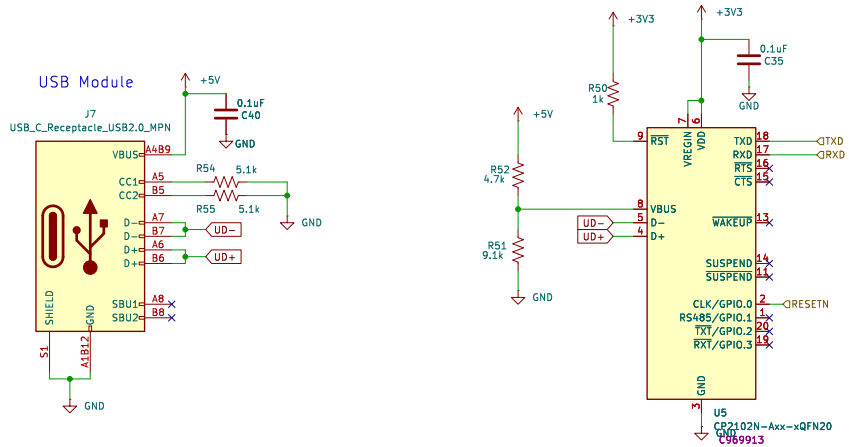
Reviewed by: Yatharth Agarwal
Designed by: Kaustubh Pandey

Sheet: /
File: squadron_ultra.kicad_sch

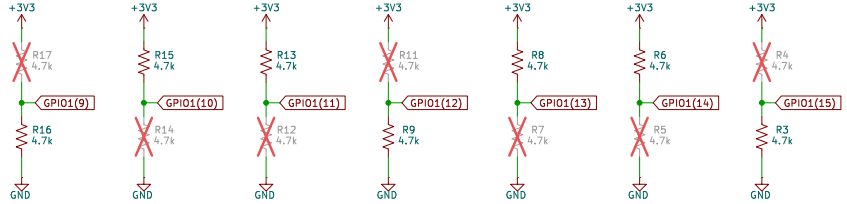
Title: VSDSquadron Ultra

Size: A3	Date: 2025-02-28	**Rev: 1A**
KiCad E.D.A. 9.0.0		Id: 1/4

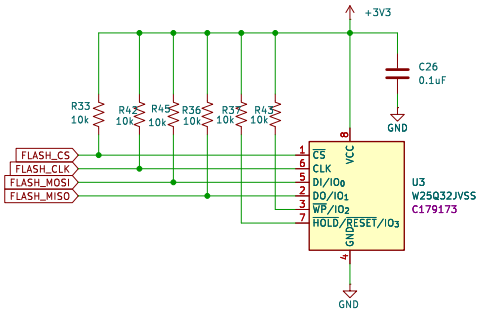
Programming Interface

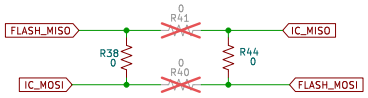


BAUD Rate Configuration



Flash memory





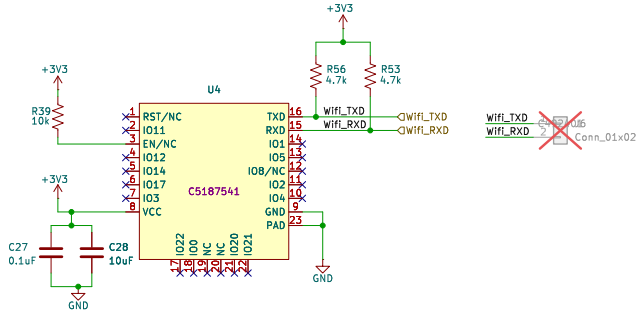
Reviewed by: Yatharth Agarwal
Designed by: Kaustubh Pandey

Sheet: /Programming_Interface/
File: Programming_Interface.kicad_sch

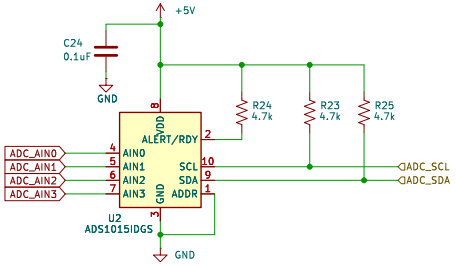
Title: VSDSquadron Ultra

Size: A3	Date: 2025-02-28	**Rev: 1A**
KiCad E.D.A. 9.0.0		Id: 2/4

Wi-Fi and BLE Module



ADC Module



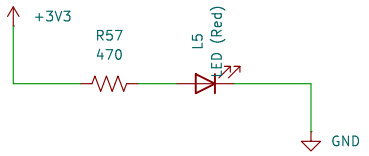
Reviewed by: Yatharth Agarwal
Designed by: Kaustubh Pandey

Sheet: /Wifi/
File: wifi.kicad_sch

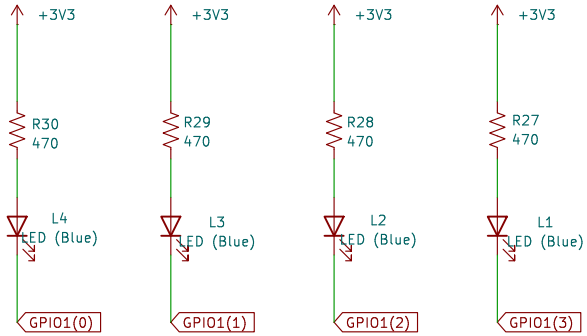
Title: VSDSquadron Ultra

Size: A3	Date: 2025-02-28	**Rev: 1A**
KiCad E.D.A. 9.0.0		Id: 3/4

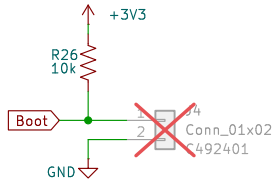
POWER LED



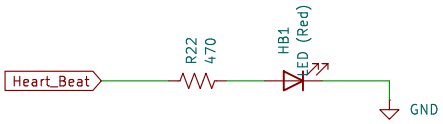
USER GPIO LED



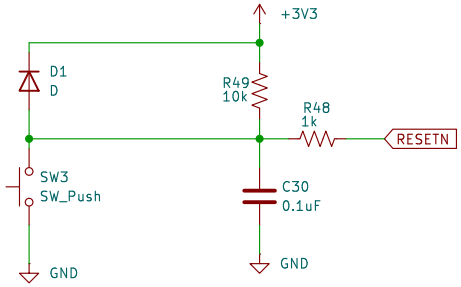
Boot Select



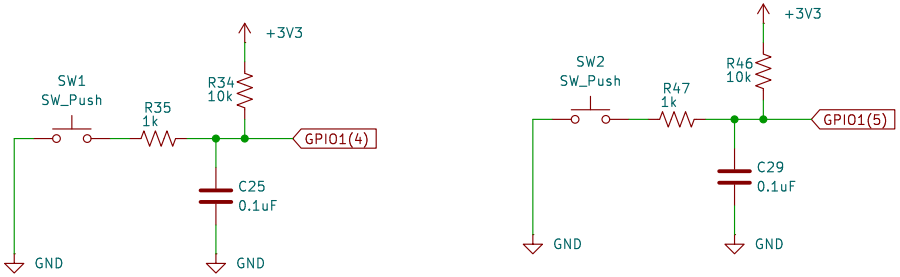
Heart_Beat LED



Power on Reset



USER Push Button



Reviewed by: Yatharth Agarwal
Designed by: Kaustubh Pandey

Sheet: /LEDS & Switch's/
File: LED.kicad_sch

Title: VSDSquadron Ultra

Size: A4	Date: 2025-02-28	**Rev: 1A**
KiCad E.D.A. 9.0.0		Id: 5/4