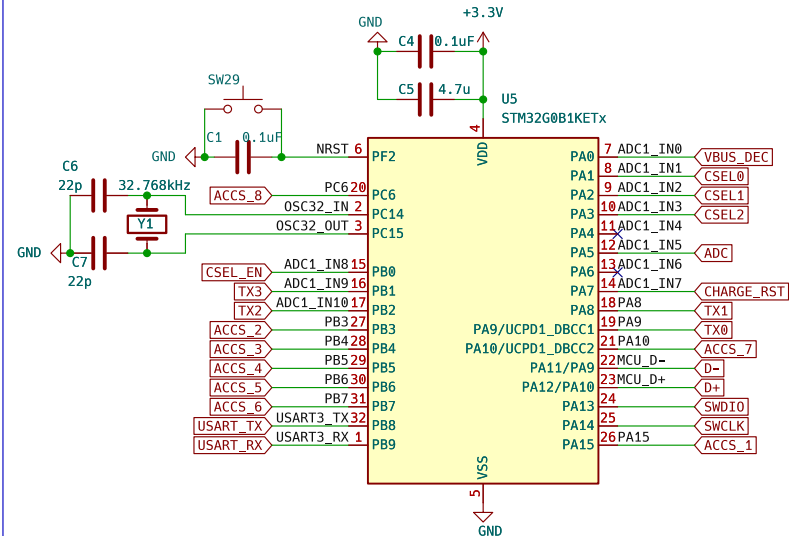
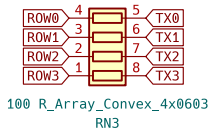
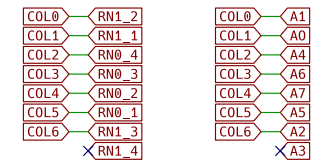


analog&key matrix



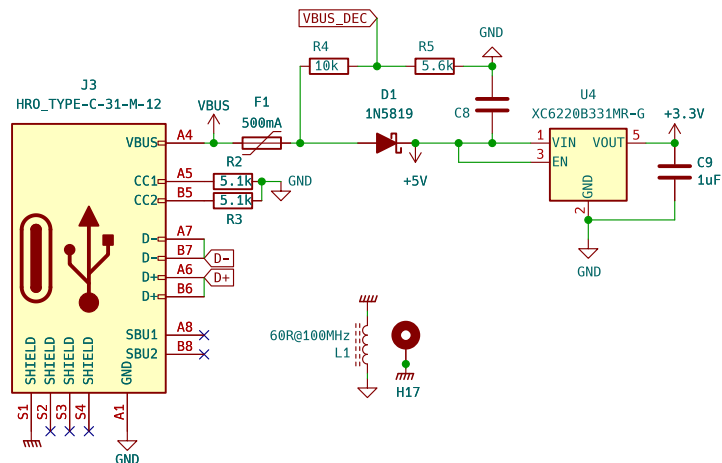
Adjust Col, Row pins to resistor array and Mux.



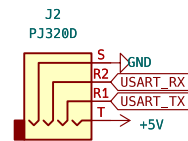
File: key_matrix.kicad_sch

USB&Power

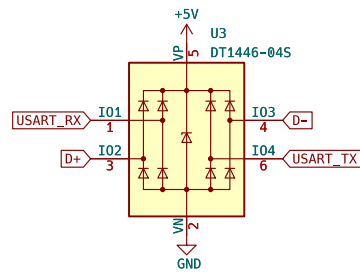
$VBUS_DEC = (R5 \times 5V) / (R4 + R5) = (5.6 \times 5) / (10 + 5.6) = 1.7949V$
Make sure vbus decion pin's voltage is 1.7 ~ 3.3v



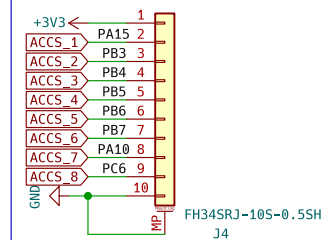
TRRS Connector



ESD Protection



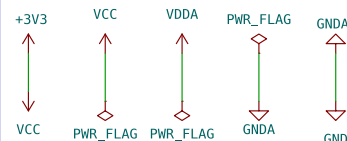
FFC Connector for Extra daughter board



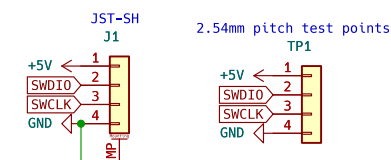
Pin functionalities.

PA15 USART2_RX				SPI1_NSS		SPI3_NSS
PB03			I2C2_SCL	I2C3_SCL	SPI1_SCK	SPI3_SCK
PB04			I2C2_SDA	I2C3_SDA	SPI1_MISO	SPI3_MISO
PB05	I2C1_SMBA			SPI1_MOSI		SPI3_MOSI
PB06 USART1_TX	I2C1_SCL				SPI2_MISO	
PB07 USART1_RX	I2C1_SDA				SPI2_MOSI	
PA10 USART1_RX	I2C1_SDA	I2C2_SDA			SPI2_MOSI	
PC06						

Power flags



Probe connectors



MIT License

Sheet: /

File: keyboard_right.kicad_sch

Title: Corne EEC - Keyboard Right

Size: A4	Date: 2023-07-18
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Size: A4	Date: 2025
KiCad E.D.A.	kicad 7.0.1-0

Rev: 1.0

Id: 2/2