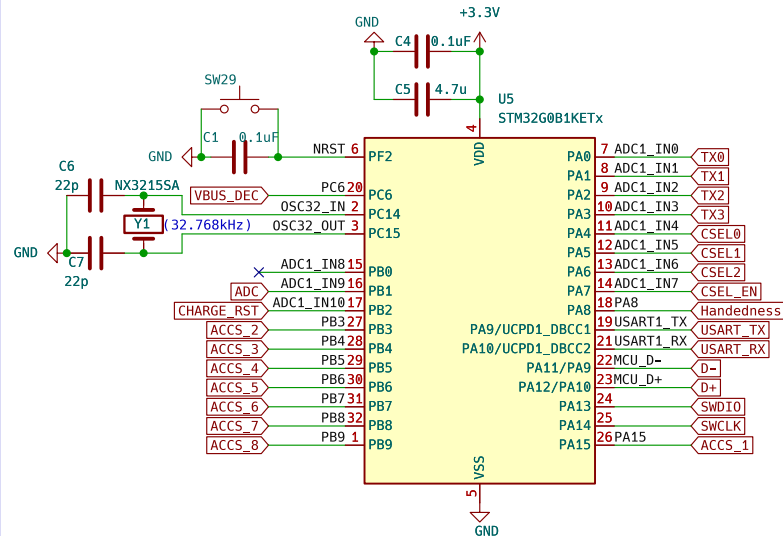
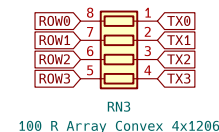
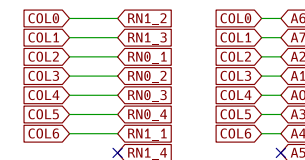


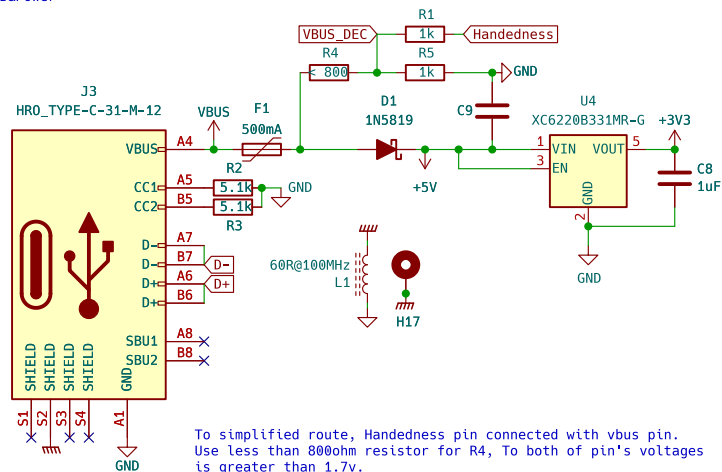
analog&key matrix



Adjust Col, Row pins to resistor array and Mux.

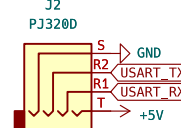


File: key_matrix.kicad_sch

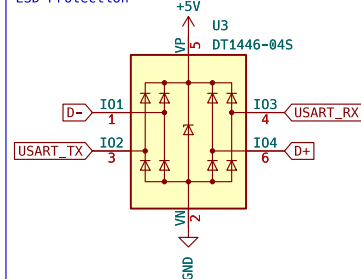


To simplified route, Handedness pin connected with vbus pin.
Use less than 800ohm resistor for R4, To both of pin's voltages
is greater than 1.7v.

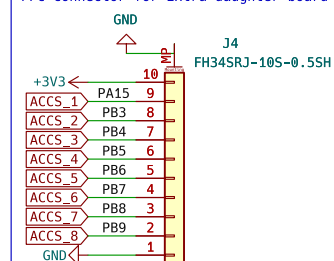
TRRS Connector



ESD Protection



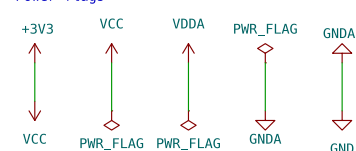
FFC Connector for Extra daughter board



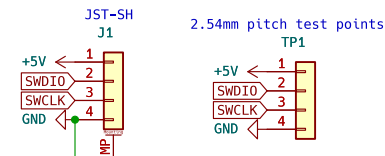
Pin functionalities.

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	
PB08		USART3_TX	I2C1_SCL				SPI2_SCK	
PB09		USART3_RX	I2C1_SDA				SPI2_NSS	

Power flags



Probe connectors



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Sheet: /

File: keyboard left.kicad sch

Title: Corne EEC - Keyboard Left

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