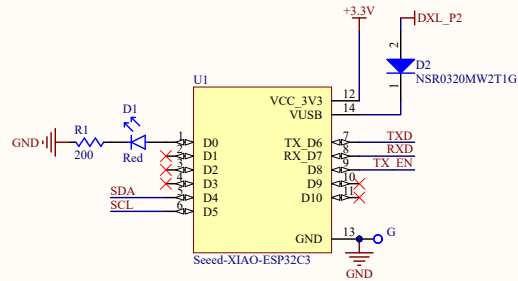
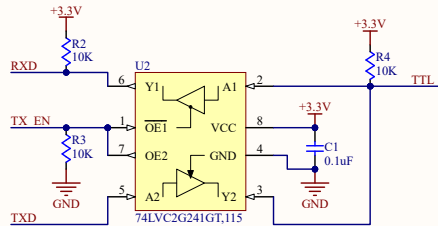


Microcontroller



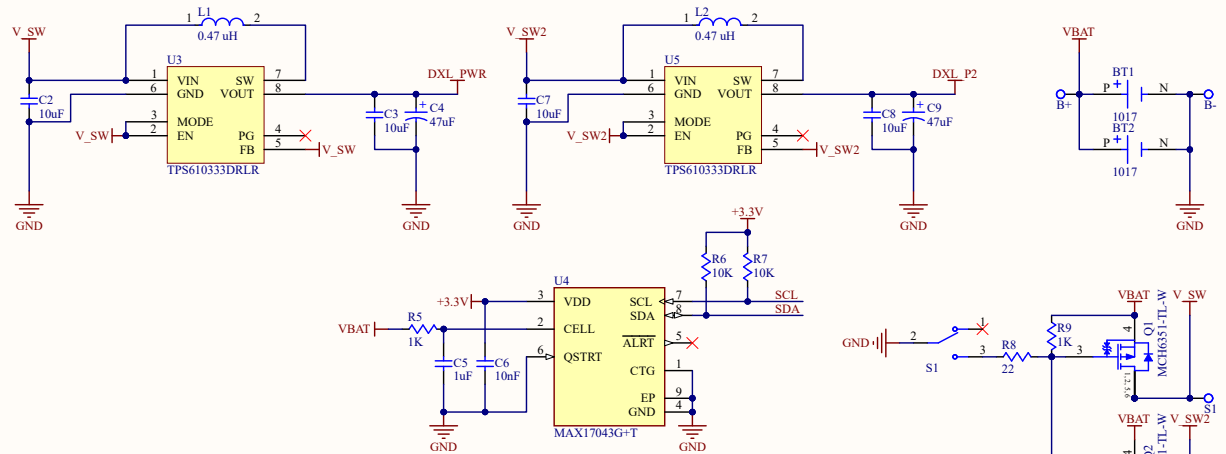
-Compatible with the following dev boards:
 -Seseed Studio XIAO, Seseed Studio XIAO ESP32C3.
 -Adafruit QT Py Series.

Dynamixel TTL Comms



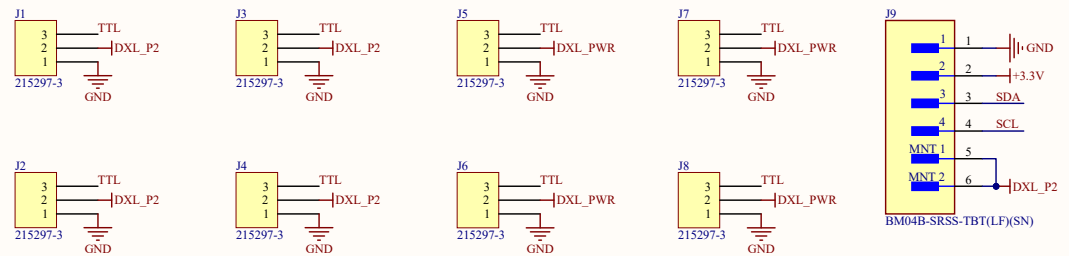
-Dynamixel TTL has a request-response control scheme.
 -TX_EN is used to switch between TX and RX.
https://emmanual.robotis.com/docs/en/parts/interface/mkr_shield/

Power Management



-Minimize the length and area of all traces connected to the SW pin. Use a ground plane under the switching regulator to minimize interplane coupling.
 -Place the input and output capacitors as close to their respective pins as possible.
 -<https://circuitdigest.com/electronic-circuits/simple-mosfet-switching-circuit-how-to-turn-on-turn-off-mosfets>
 - Typical VSD for MCH6351 is -0.83V.

Robot Connections



MH1 MH3 MH5 MH7
 MH2 MH4 MH6 MH8

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Q8_V2 PCB Schematics		
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