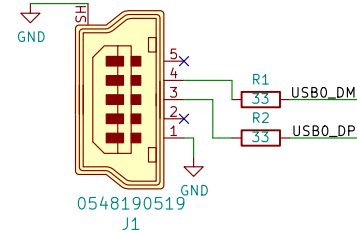


- PI00_29 for receive
- PI00_30 for transmit

- PI00_22 for VBUS
- USB0_DP for USB D+
- USB0_DM for USB D-



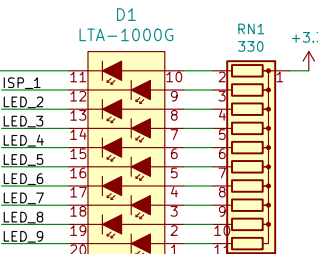
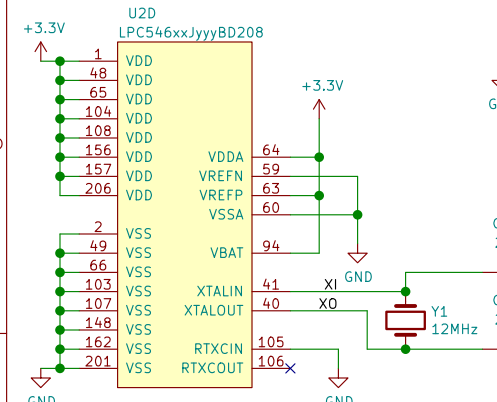
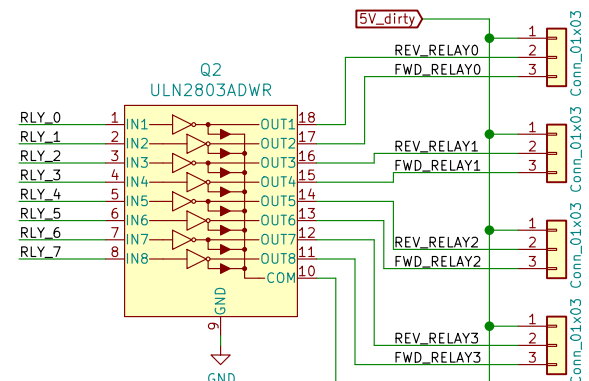
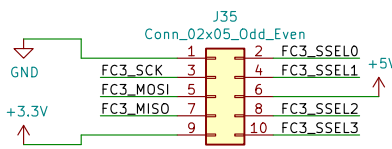
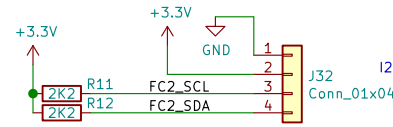
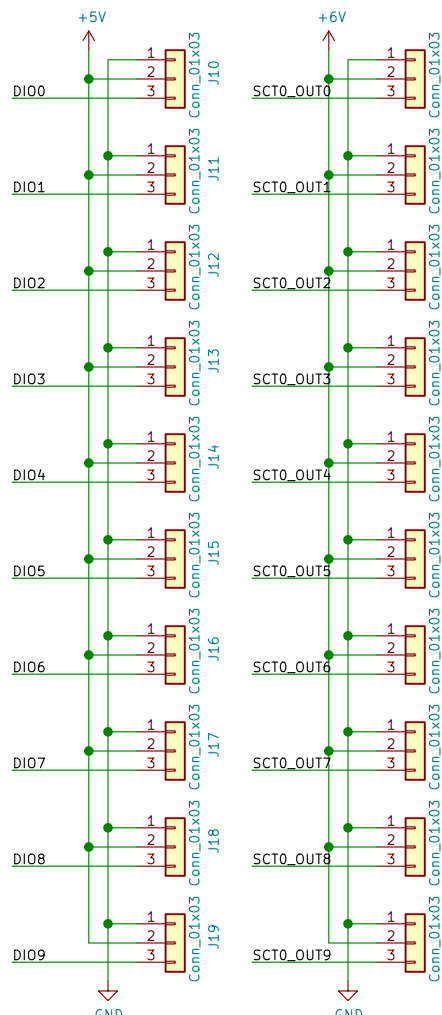
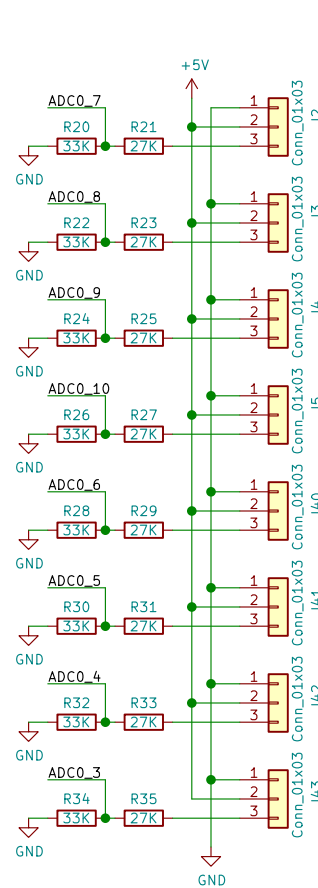
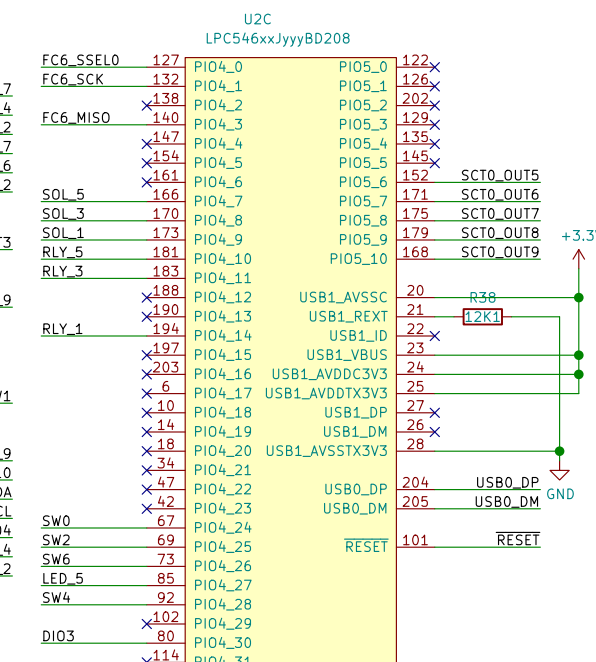
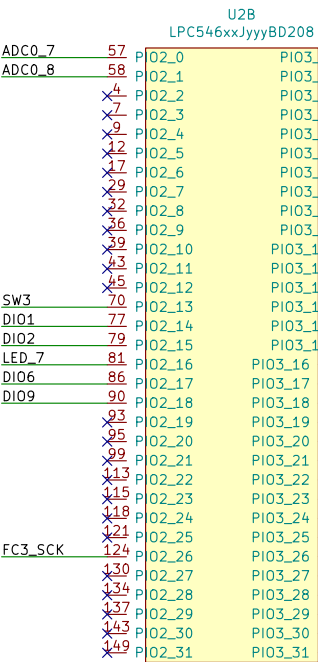
```

RIO has:
1 USB host
1 USB device
16 DIO on mx
10 DIO
8 AI (0-5V)
2 AO (0-5V)
1 I2C 400KHz (5v compatible)
1 SPI 4MHz w/4 CS lines (5v compatible)
1 TTL UART
1 RS232 UART
10 PWM (330 ohm series resistor) 5V drive 150KHz max
4 forward relay (680 ohm series resistor) 5V drive
4 reverse relay (680 ohm series resistor) 5V drive
RSL open collector drive up to 16V @ 120 ma
3 axis Accel, 12 bit resolution

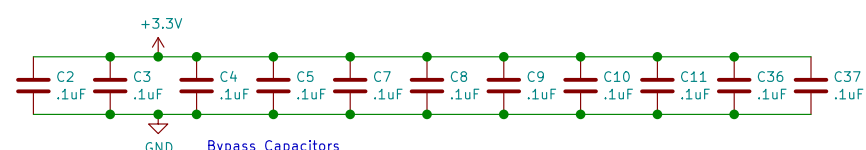
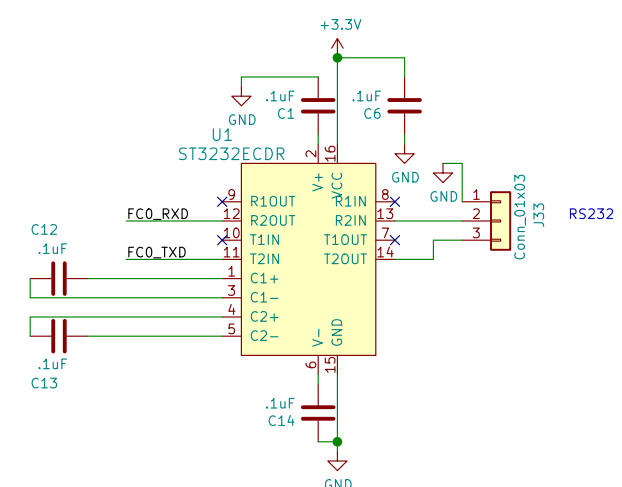
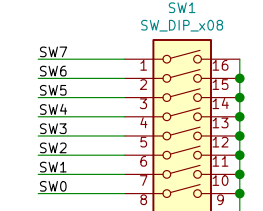
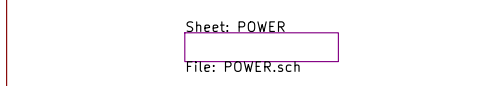
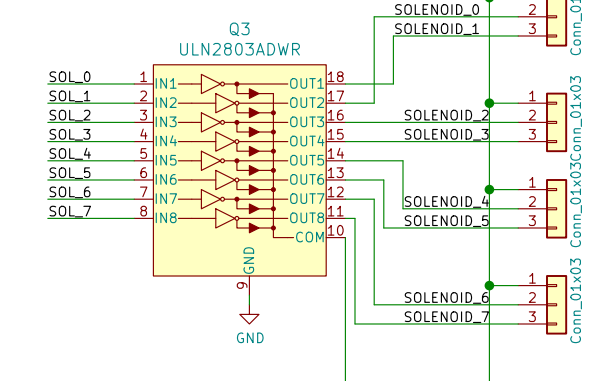
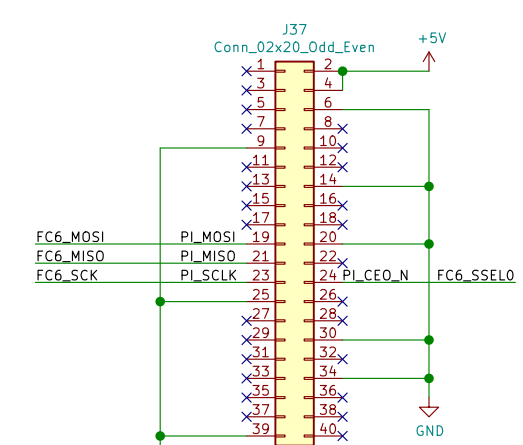
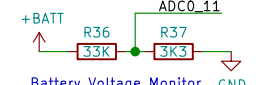
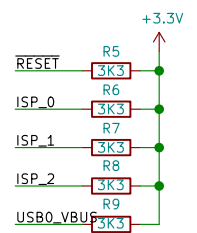
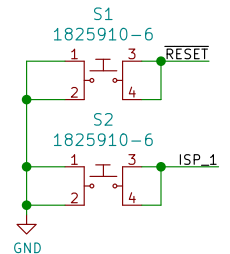
```





power outputs:
6V @ 2.2A
5V @ 1A
3.3V @ 1.225A

power supply:
4-16V 45W max



Using `PI00_31` as an output (even though it is connected to a switch that can shunt it to ground) is OK if it is configured in open-drain mode (high-side driver disabled.)



-  H5
MountingHole
-  H6
MountingHole
-  H7
MountingHole
-  H8
MountingHole

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Sheet: /
File: 2056-LPC546xxJyyyBD208-breakout.sch

Title: ORIO Processor

Size: USLedger	Date: 2019-10-07
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KiCad E.D.A.	kicad 5.1.4-e60b26684ubuntu18.04.1
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Rev: 1.0



