control_board

Control Board

control_board.sch

power_supply_board

Power Supply Board

power_supply_board.sch

user_interface_board

User Interface Board

user_interface_board.sch

https://dc-power-supply.github.io

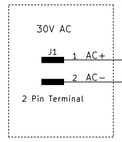
open source hardware

Sheet: /
File: dc-power-supply.sch

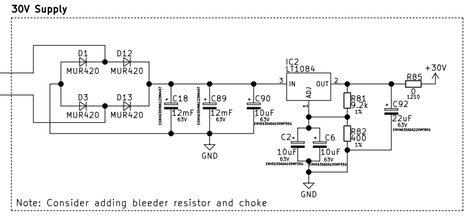
Title: DC Power Supply

Size: A4	Date:	**Rev: 0.1**
KiCad E.D.A.	kicad 4.0.7-e2-637658ubuntu17.04.1	Id: 1/4

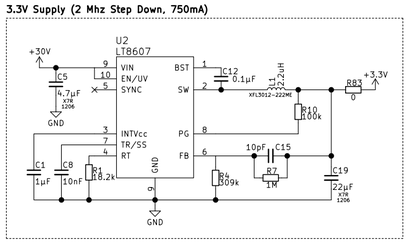
AC Transformer Connector



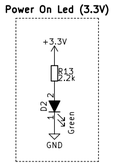
30V Supply



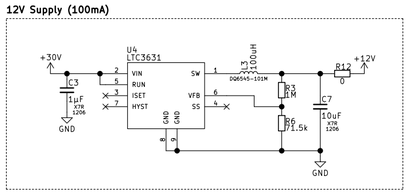
3.3V Supply (2 Mhz Step Down, 750mA)



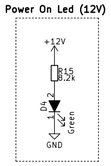
Power On Led (3.3V)



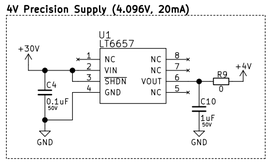
12V Supply (100mA)



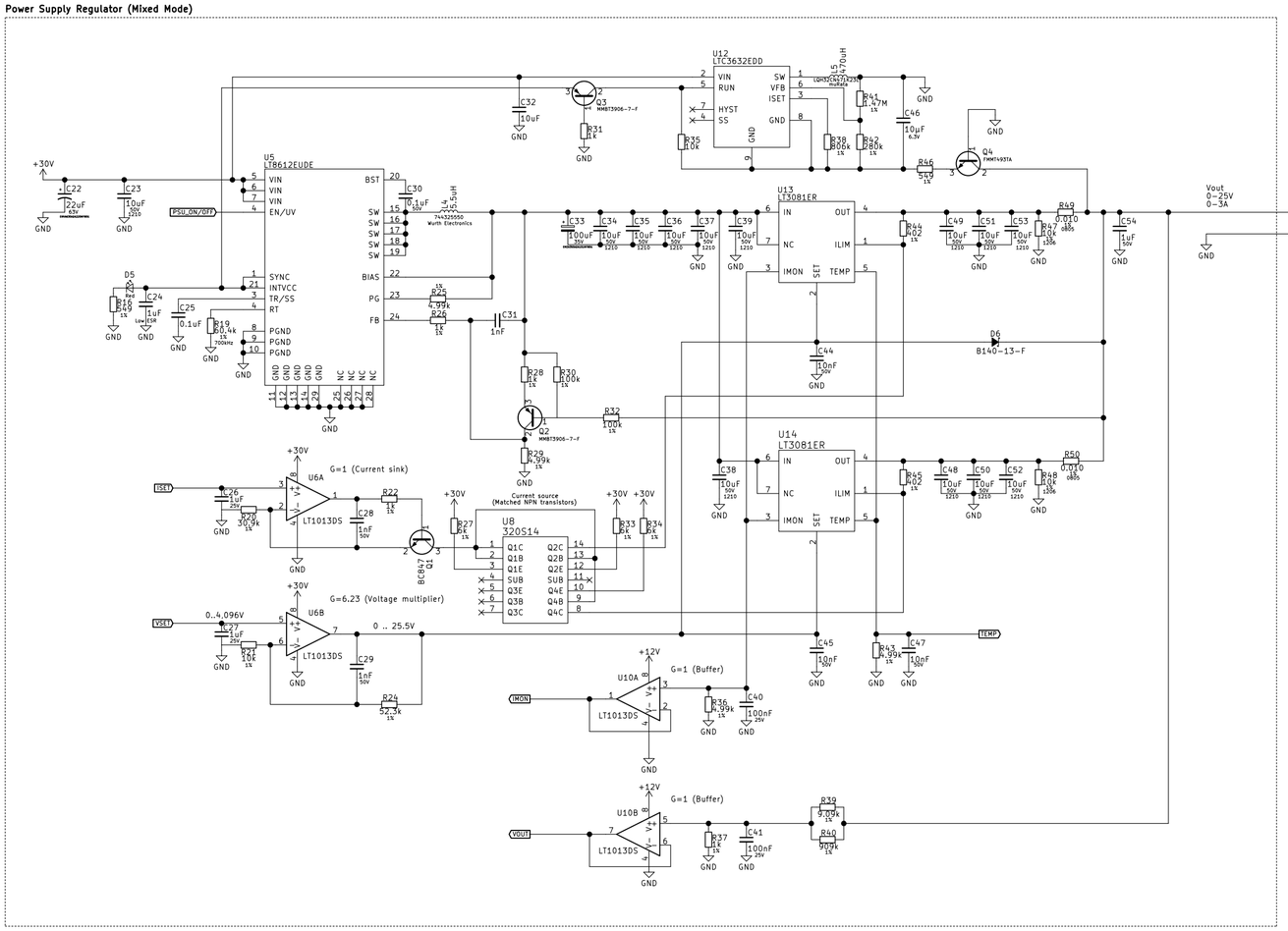
Power On Led (12V)



4V Precision Supply (4.096V, 20mA)

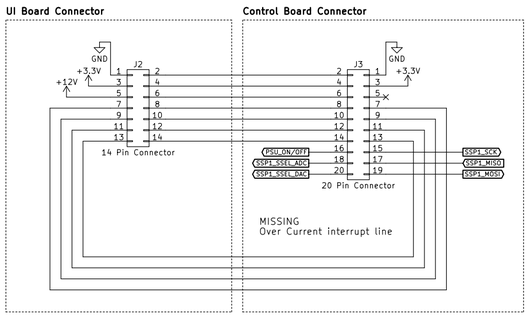


Power Supply Regulator (Mixed Mode)

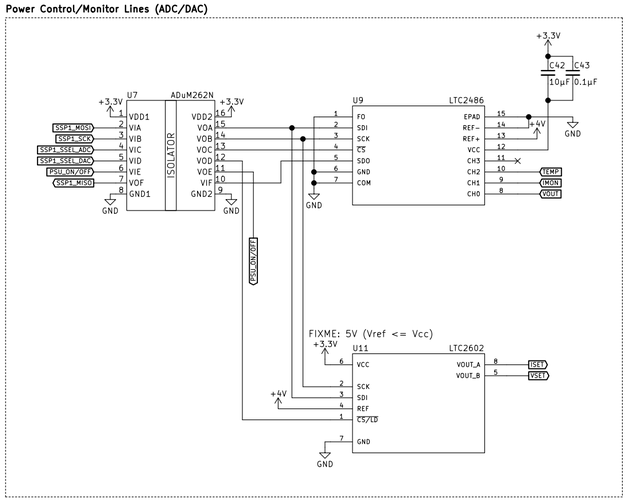


UI Board Connector

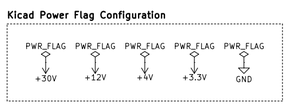
Control Board Connector



Power Control/Monitor Lines (ADC/DAC)



Kicad Power Flag Configuration



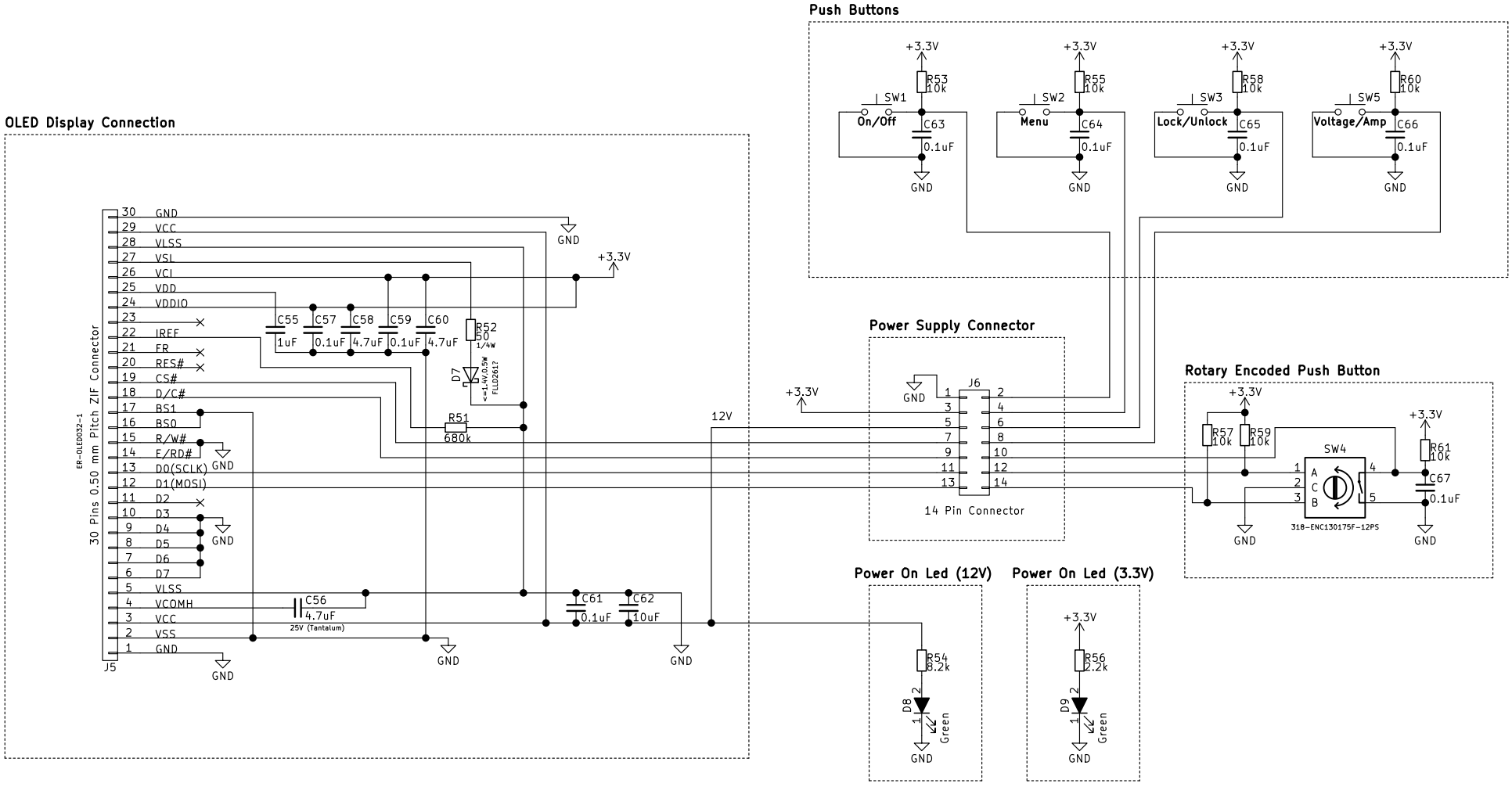
https://dc-power-supply.github.io

open source hardware

Sheet: /power_supply_board/
File: power_supply_board.sch

Title: Power Supply Board

Size: A2	Date:	Rev: 0.1
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu17.04.1		Id: 2/4

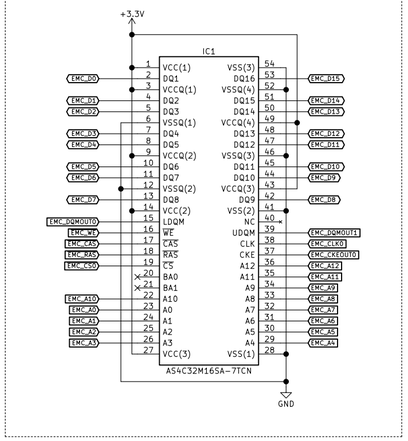


https://dc-power-supply.github.io

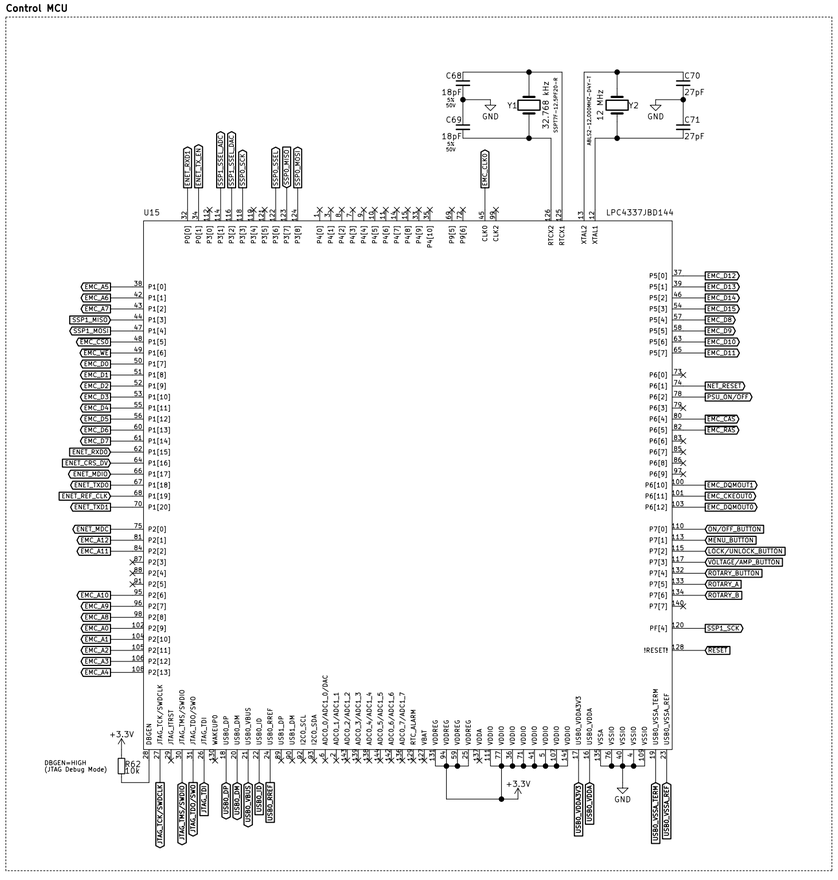
open source hardware

Sheet: /user_interface_board/		
File: user_interface_board.sch		
Title: User Interface Board		
Size: A4	Date:	**Rev: 0.1**
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu17.04.1		Id: 3/4

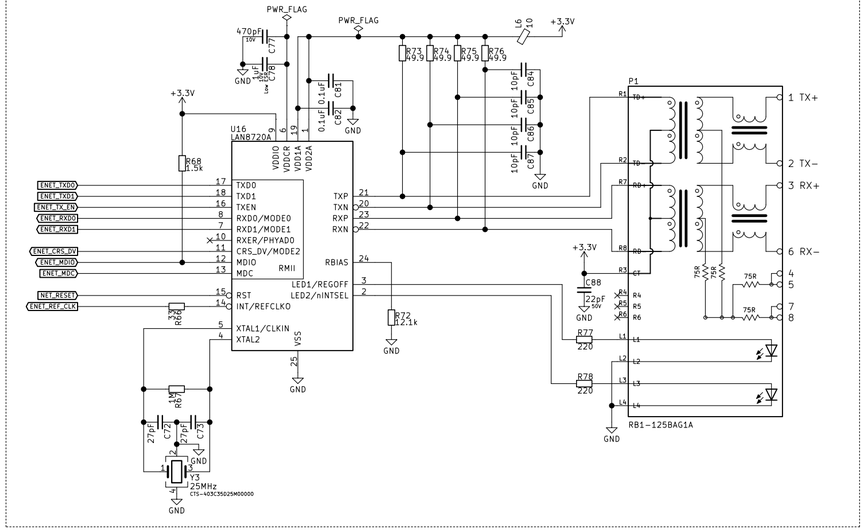
64MB 16-bit SDR SDRAM



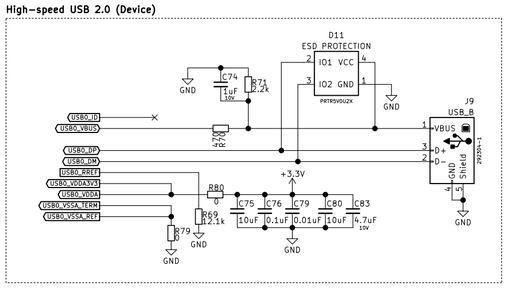
Control MCU



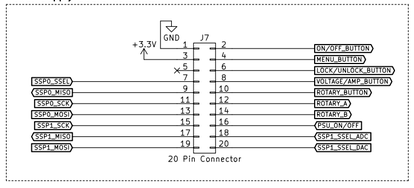
Ethernet PHY 10/100 Mbps



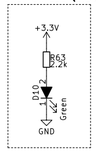
High-speed USB 2.0 (Device)



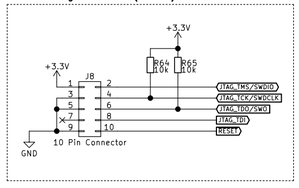
Power Supply Board Connector



Power On Led (3.3V)



Cortex Debug Connector (10 Pin)



https://dc-power-supply.github.io

open source hardware

Sheet: /control_board/	
File: control_board.sch	
Title: Control Board	
Size: A2	Date:
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu17.04.1	Id: 4/4

Rev: 0.1