External SRAM Power Input External_SRAM.sch Power_Input.sch POS3P3 Power Supply External Flash 1 POS3P3_Power_Supply.sch External_Flash_1.sch External Flash 2 External_Flash_2.sch Microcontroller Programming External Flash 3 Microcontroller_Programming.sch External_Flash_3.sch External Flash 4 WiFi Module Wi_Fi_Module.sch External_Flash_4.sch USB UART Isolation External Flash 5 USB_UART_Isolation.sch External_Flash_5.sch USB UART Bridge External Flash 6 USB_UART_Bridge.sch External_Flash_6.sch External Flash 7 External_Flash_7.sch Panel Data Connectors External Flash 8 Panel_Data_Connectors.sch External_Flash_8.sch Panel Power Connectors Status LEDs 1 Panel_Power_Connectors.sch Status_LEDs_1.sch Microcontroller Power Panel Data Level Shifters 1 Microcontroller_Power.sch Panel_Data_Level_Shifters_1.sch Microcontroller A Panel Data Level Shifters 2 Microcontroller_A.sch Panel_Data_Level_Shifters_2.sch Microcontroller B Panel Data Level Shifters 3 Microcontroller_B.sch Panel_Data_Level_Shifters_3.sch To Do List:
* Add +5V LED Power Supply (-80 to 90A)
* External oscillator for Micro?
* Mechanical sheet * Mechanical sheet
* Design Power Input Circuit, add fusing
* Decide on input power supply (AC/DC)
* Add more power input connectors, match to AC/DC output connectors. Might need beefy Weurth shanks
* Add status LEDs, PG00D stuff
* +3.3V Power Supply (-2A)
* +5V Monitoring/+3.3V Monitoring/Input Monitoring? Temperature sensors?
* Add AUX +5V input if we mess up +5V supply
* Wi-Fi Module Wi-Fi Module * Wi-Fi Module

Evaluate Micro AVDD/AVSS filter

* Select panel connector bulk caps, match with other tantalums on board for BOM scrubbing?

* Power pushbutton; vs set on app?

* Brightness encoder? vs set on app?

* Time of flight Ic?

* Add graphical items to certain sheets (ESD warning, heat, etc)

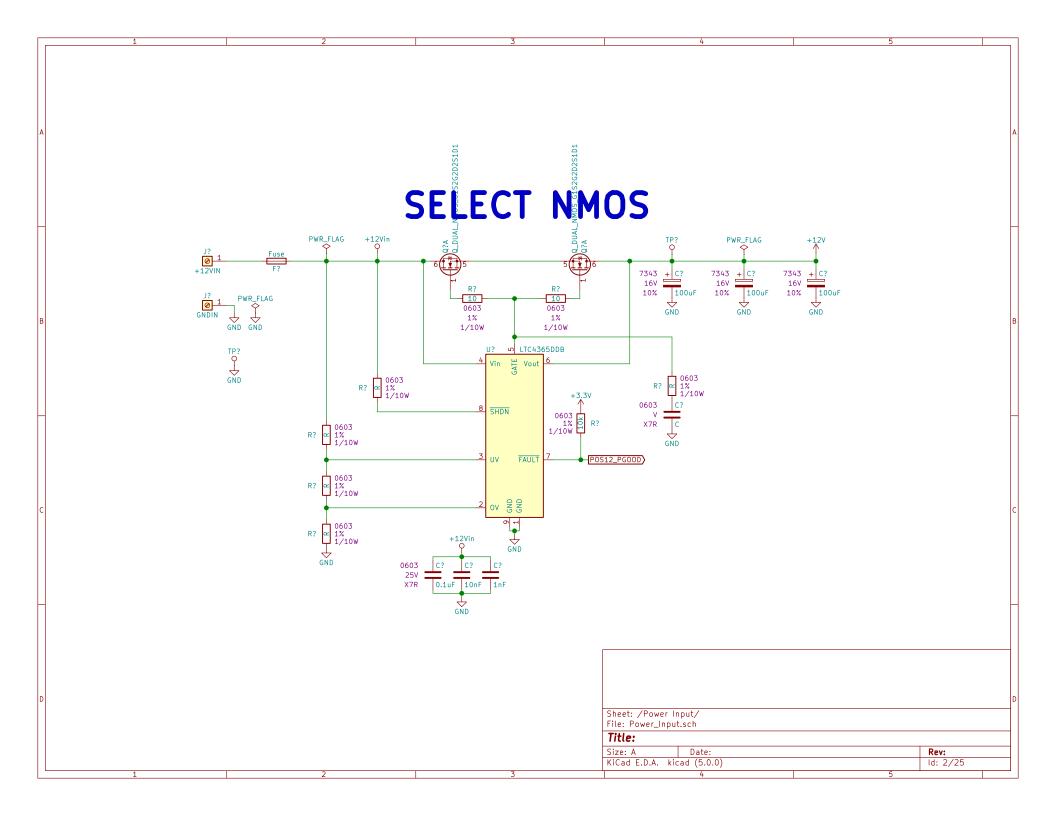
* Add Willes to each sheet

* Add Titles to each sheet

* Add Titles to each sheet * Add relevant design notes/routing notes to sheets
* Add test points sheet
* Re-order sheets * Wire everything to Micro * Assign Refdes's * Draw custom footprints * Assign footprints

* Run ERC, resolve errors

* Add firmware notes sheet Sheet: / * Add COM port settings to USB sheet * Generate netlist * Generate BOM File: LED_Display_Controller.sch Title: Size: A Date: Rev: KiCad E.D.A. kicad (5.0.0) ld: 1/25



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