Power Input External SRAM Mechanical Power\_Input.sch External\_SRAM.sch Mechanical.sch POS3P3 Power Supply Internal Rail Monitoring External Flash 1 POS3P3\_Power\_Supply.sch External Flash 1.sch Internal\_Rail\_Monitoring.sch External Flash 2 Microcontroller Programming External\_Flash\_2.sch Microcontroller\_Programming.sch External Flash 3 WiFi Module External\_Flash\_3.sch Wi Fi Module.sch External Flash 4 USB UART Isolation External\_Flash\_4.sch USB\_UART\_Isolation.sch External Flash 5 USB UART Bridge External\_Flash\_5.sch USB\_UART\_Bridge.sch Panel Data Connectors External Flash 6 External\_Flash\_6.sch Panel\_Data\_Connectors.sch LED POSS Monitoring External Flash 7 LED\_POS5\_Monitoring.sch External\_Flash\_7.sch External Flash 8 Microcontroller Power External\_Flash\_8.sch Microcontroller\_Power.sch Microcontroller A Status LEDs 1 Microcontroller\_A.sch Status\_LEDs\_1.sch Microcontroller B Panel Data Level Shifters 1 Microcontroller\_B.sch Panel\_Data\_Level\_Shifters\_1.sch Panel Data Level Shifters 2 Panel\_Data\_Level\_Shifters\_2.sch Panel Data Level Shifters 3 Panel\_Data\_Level\_Shifters\_3.sch Test Points Test\_Points.sch To Do List:
\* Mechanical sheet \* Mechanical sheet
\* Mechanical sheet
\* Mechanical sheet
\* Add LED SV Monitoring
\* Add LED SV Monitoring
\* Add LED SV Monitoring
\* Add woltage rail ADC dividers/filters
\* Power board fan control?
\* ESD protection on input and output signals
\* Add tank cap for micro
\* AND OE (PWM AND Force disable)
\* Add gaphical items to certain sheets (ESD warning, heat, etc)
\* Add MU Logo to each sheet
\* Add relevant design notes/routing notes to sheets
\* Add relevant design notes/routing notes to sheets
\* Add reverything to Micro
\* Wire everything to Micro
\* Wire everything to Micro Pushbuttons Pushbuttons.sch POS5 Power Supply POS5\_Power\_Supply.sch \* Re-order sheets
\* Wire everything to Micro
\* Assign Refdes's
\* Draw custom footprints
\* Assign footprints
\* Assign prigi-Key Partnumbers
\* Run ERC, resolve errors
\* Run ERC, resolve errors \* Add firmware notes sheet \* Add COM port settings notes to USB sheet \* Generate netlist \* Generate BOM Sheet: / File: LED\_Display\_Controller.sch \* Layout PCB Title: Size: A Date: Rev: KiCad E.D.A. kicad (5.0.1)-3ld: 1/30

























































