Power Input External SRAM Power\_Input.sch External\_SRAM.sch POS3P3 Power Supply External Flash 1 POS3P3\_Power\_Supply.sch External\_Flash\_1.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 Panel\_Data\_Connectors.sch External\_Flash\_6.sch External Flash 7 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

\* Decide on input power supply (AC/DC)

\* Add status LEDs, PGOOD stuff

\* Add 5V Monitoring

\* Wi-Fi Module

\* Evaluate Micro AVDD/AVSS filter

\* Add on/off pushbutton

\* Add master brightness encoder

\* Copy LTC7851 Demo into repo

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

\* Add MU Logo to each sheet

\* Add Titles to each sheet

\* Add relevant design notes/routing notes to sheets

\* Add test points sheet

\* Add test points sheet

\* Re-order sheets

\* Wire everything to Micro \* Wire everything to Micro \* Assign Refdes's \* Draw custom footprints \* Draw custom rootprints
\* Assign footprints
\* Run ERC, resolve errors
\* Add firmware notes sheet
\* Add COM port settings note to USB sheet
\* Generate netlist
\* Generate BOM Sheet: / File: LED\_Display\_Controller.sch Title: Size: A Date: Rev: KiCad E.D.A. kicad (5.0.0) ld: 1/25















































