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 status LEDs. PGOOD stuff

* Add small SV supply for level shifters (LDO? Charge pump? Small Buck?)

* Add voltage rail ADC dividers/filters

* Power board fan control?

* ESD protection on input and output signals

* FIX LEVEL SHIFTER VOLTAGE RAIL ISSUE

* Add tank cap for micro

* AND OE (PWM AND Force disable)

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

* Add MU Logo to each sheet

* Add relevant design notes/routing notes to sheets

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* Add test points sheet

* Re—order sheets

* 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 Digi-Key Partnumbers
* Run ERC, resolve errors
* Additional State of the State of t * 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

























































