

	1	2	3	4	5		
A		Power Input Power_Input.sch POS3P3_Power Supply POS3P3_Power_Supply.sch Microcontroller Programming Microcontroller_Programming.sch WiFi Module Wi-Fi_Module.sch USB_UART Isolation USB_UART_Isolation.sch USB_UART Bridge USB_UART_Bridge.sch Panel Data Connectors Panel_Data_Connectors.sch LED_POS5 Monitoring LED_POS5_Monitoring.sch Microcontroller Power Microcontroller_Power.sch Microcontroller A Microcontroller_A.sch Microcontroller B Microcontroller_B.sch		External SRAM External_SRAM.sch External Flash 1 External_Flash_1.sch External Flash 2 External_Flash_2.sch External Flash 3 External_Flash_3.sch External Flash 4 External_Flash_4.sch External Flash 5 External_Flash_5.sch External Flash 6 External_Flash_6.sch External Flash 7 External_Flash_7.sch External Flash 8 External_Flash_8.sch Status_LEDs_1 Status_LEDs_1.sch Panel_Data_Level Shifters 1 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 Pushbuttons Pushbuttons.sch POS5_Power Supply POS5_Power_Supply.sch	Mechanical Mechanical.sch Internal_Rail Monitoring Internal_Rail_Monitoring.sch Status_LEDs_2 Status_LEDs_2.sch		A
B						B	
C						C	
D						D	

To Do List:

- * Add MU Logo to each sheet
- * Add Titles to each sheet
- * Add relevant design notes/routing notes to sheets
- * Re-order sheets
- * Assign Refdes's
- * Verify pinouts
- * Verify peripheral wiring on micro
- * Draw custom footprints
- * Assign footprints
- * Assign Digi-Key Partnumbers
- * Run ERC, resolve errors
- * Generate netlist
- * Generate BOM
- * Layout PCB

Sheet: /
File: LED_Display_Controller.sch

Title:

Size: ADate:KiCad E.D.A. kicad (5.0.1)–3

Rev:Id: 1/31

- To Do List:
- * Add MU Logo to each sheet
 - * Add Titles to each sheet
 - * Add relevant design notes/routing notes to sheets
 - * Re-order sheets
 - * Assign Refdes's
 - * Verify pinouts
 - * Verify peripheral wiring on micro
 - * Draw custom footprints
 - * Assign footprints
 - * Assign Digi-Key Partnumbers
 - * Run ERC, resolve errors
 - * Generate netlist
 - * Generate BOM
 - * Layout PCB

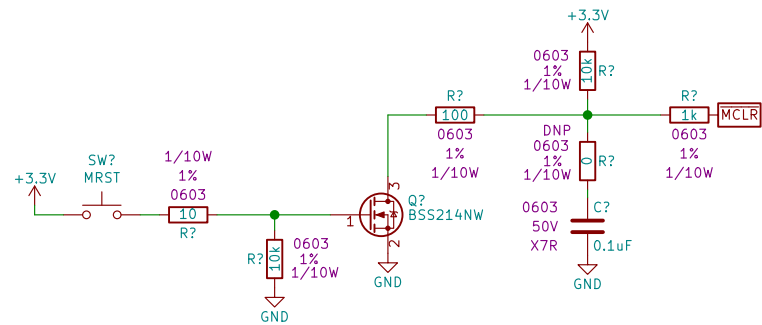
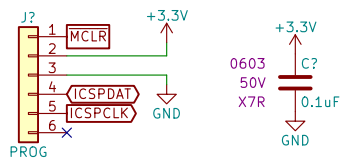
Sheet: / File: LED_Display_Controller.sch		
Title:		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.0.1)-3		Id: 1/31

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Title:		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.0.1)–3		Id: 2/31



Id: 3/31



Sheet: /Microcontroller Programming/
File: Microcontroller_Programming.sch

Title:

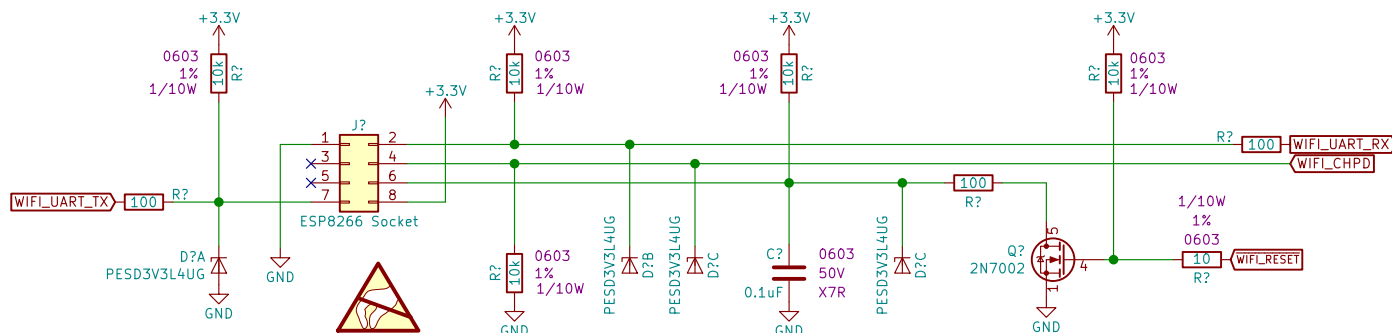
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Rev:

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ESP8266 Pinout does not match default KiCad pin socket footprint.
Alter the pin numbers in layout

Sheet: /WiFi Module/
File: Wi-Fi_Module.sch

Title:

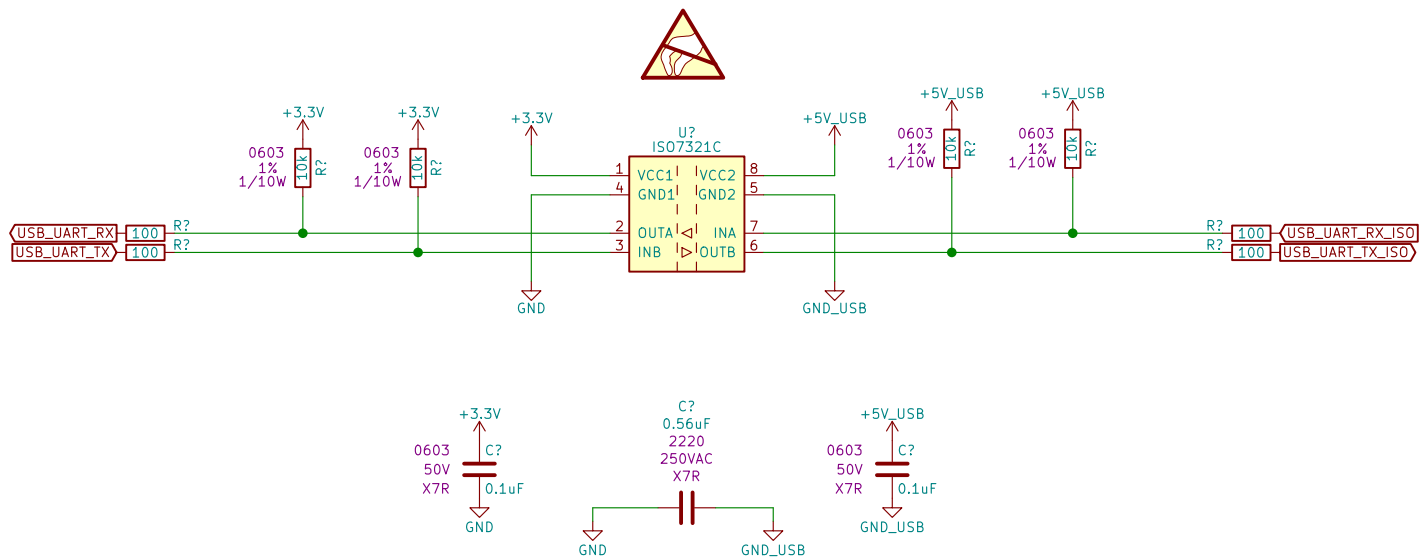
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KiCad E.D.A. kicad (5.0.1)-3

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Sheet: /USB UART Isolation/
File: USB_UART_Isolation.sch

Title:

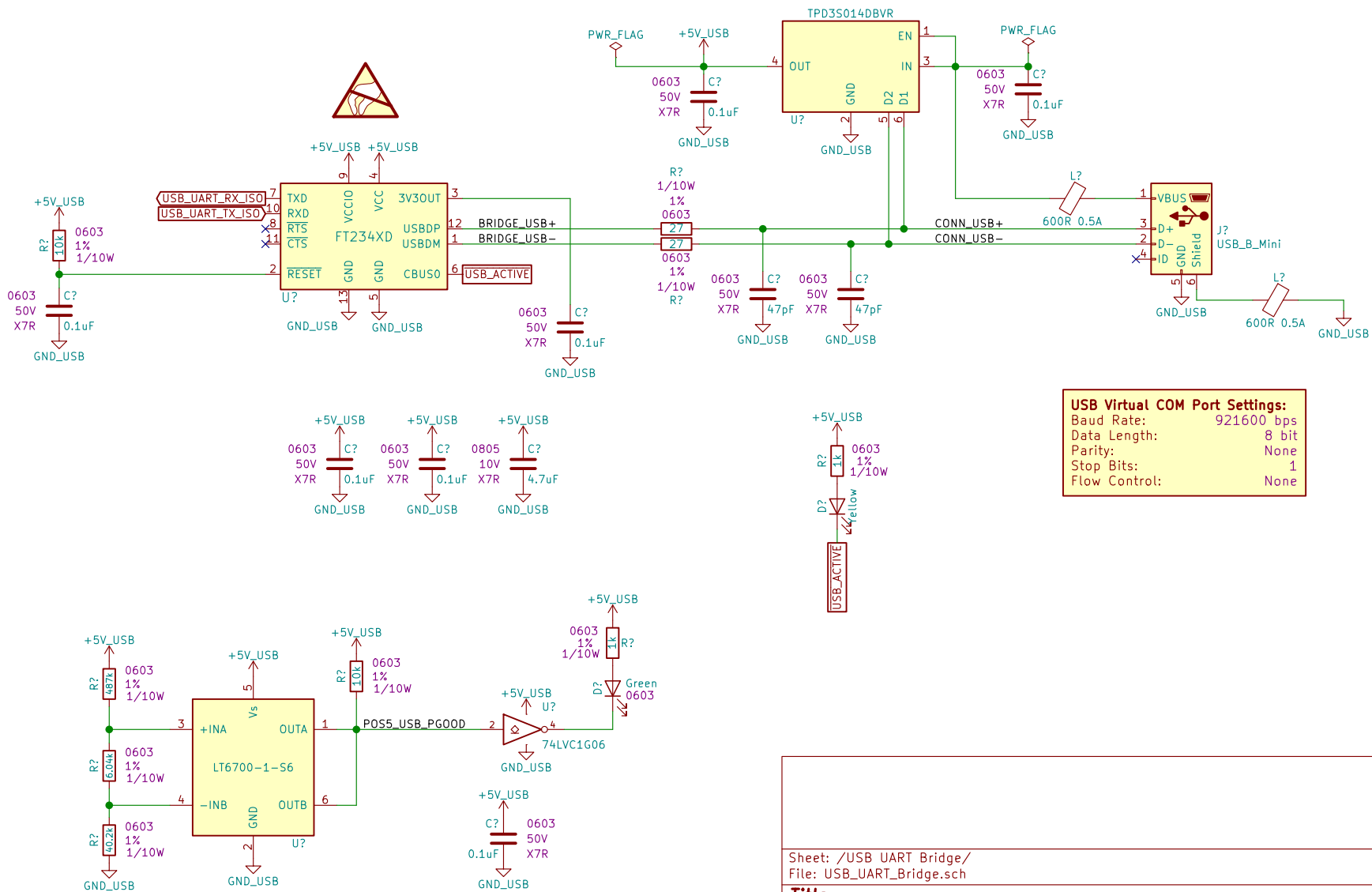
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KiCad E.D.A. kicad (5.0.1) - 3

Rev:

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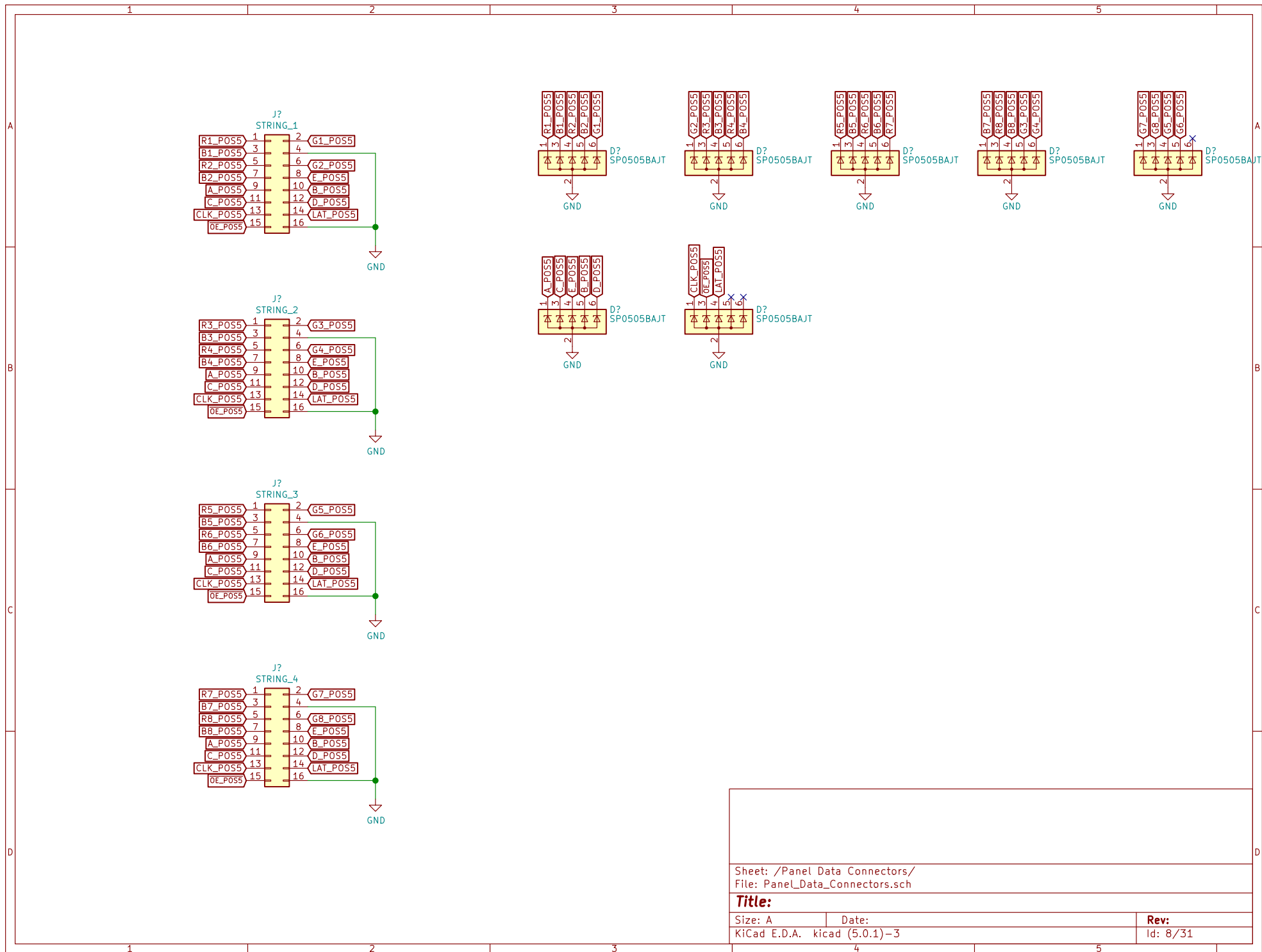


Sheet: /USB UART Bridge/
File: USB_UART_Bridge.sch

Title:

Size: A Date:
KiCad E.D.A. kicad (5.0.1)-3

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Id: 7/31



Sheet: /Panel Data Connectors/
File: PanelData_Connectors.sch

Title:

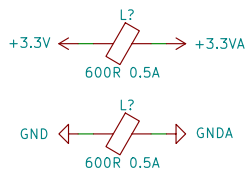
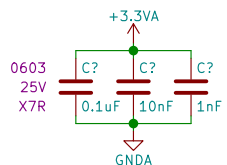
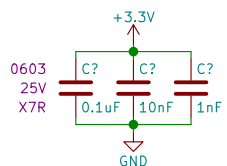
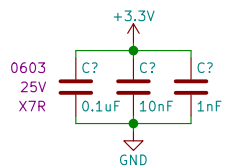
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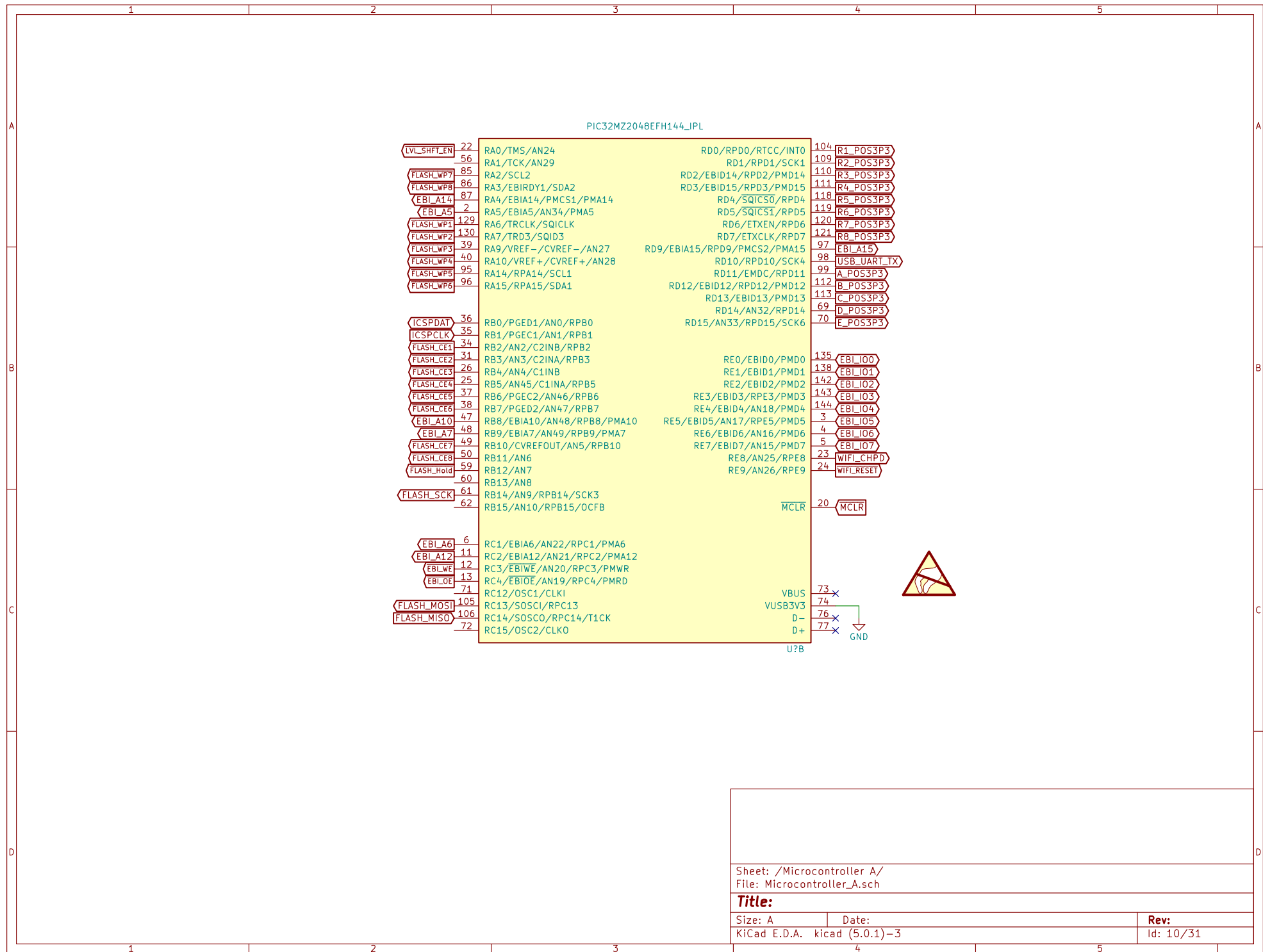
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KiCad E.D.A. kicad (5.0.1)-3

Rev:

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Sheet: /Microcontroller A/
File: Microcontroller_A.sch

Title:

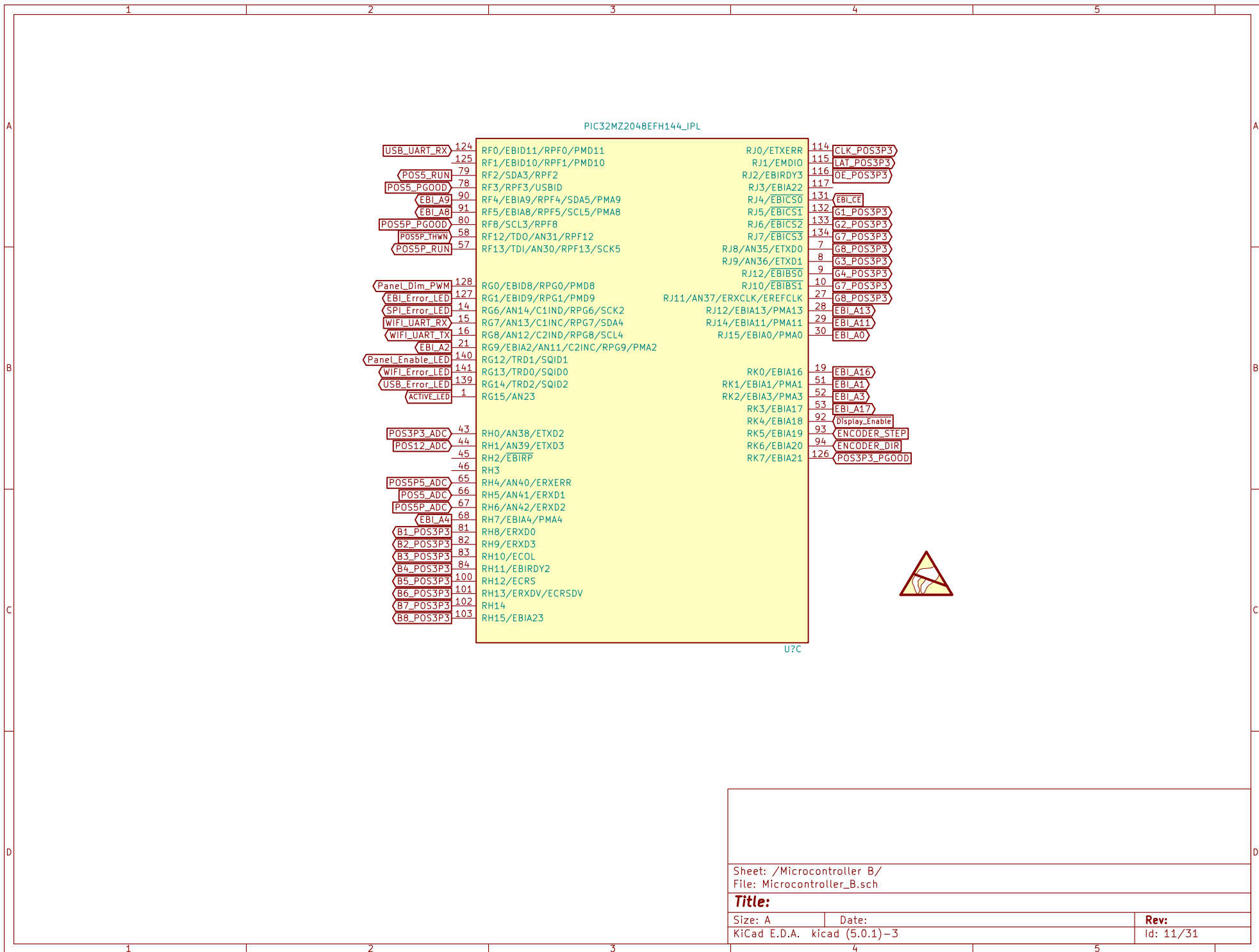
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Date:

KiCad E.D.A. kicad (5.0.1)-3

Rev:

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Sheet: /Microcontroller B/
File: Microcontroller_B.sch

Title:

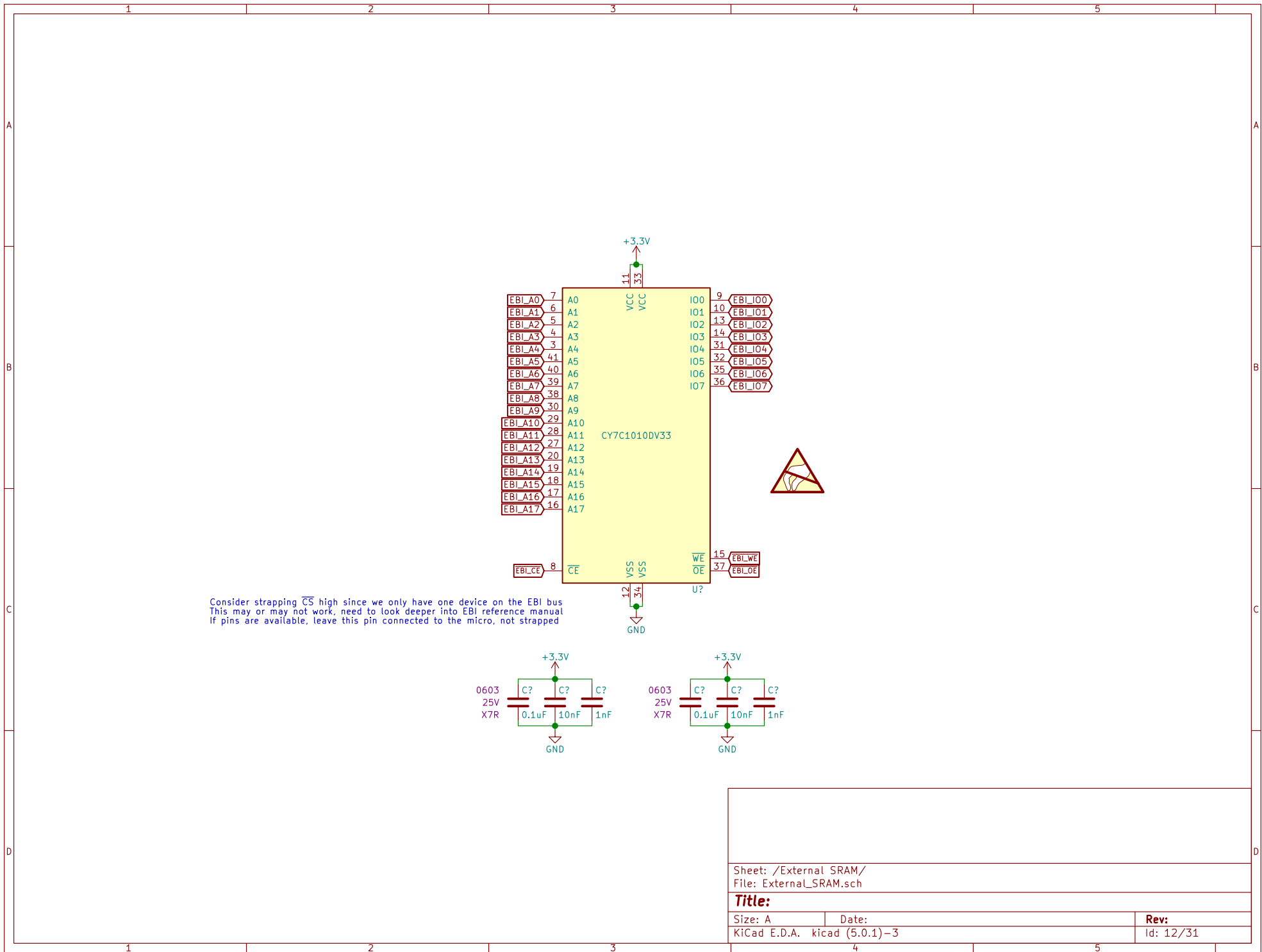
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Date:

KiCad E.D.A. kicad (5.0.1)-3

Rev:

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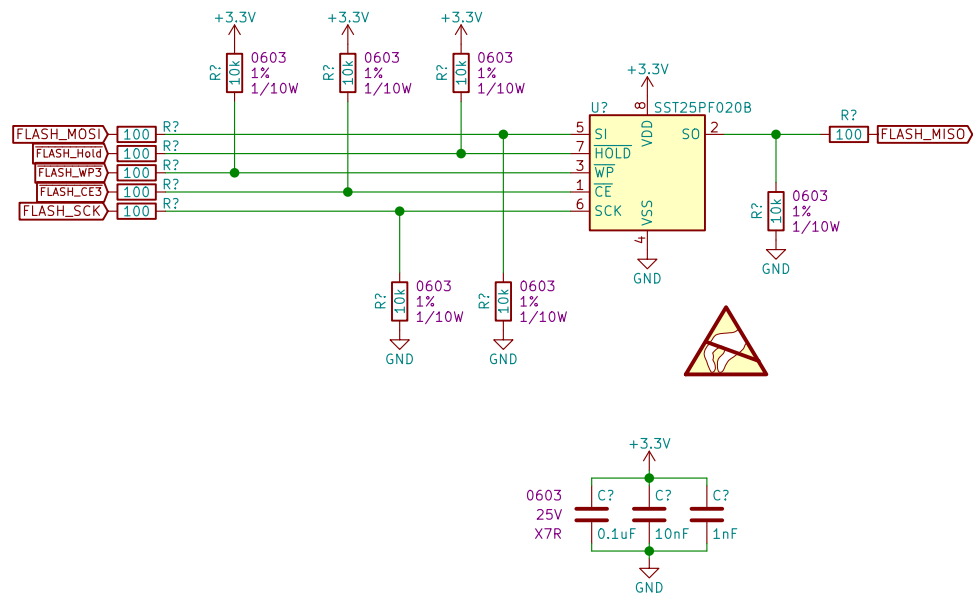




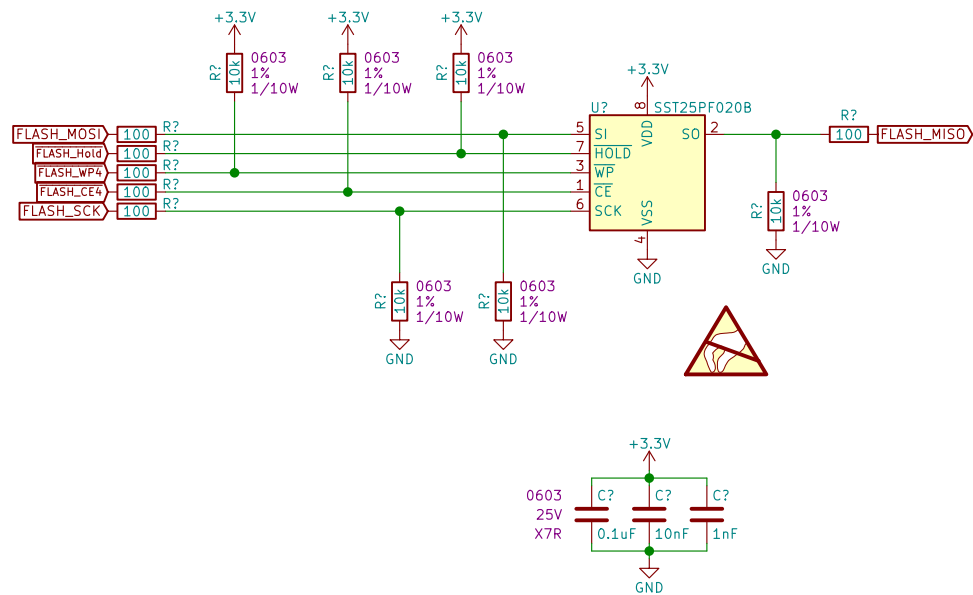
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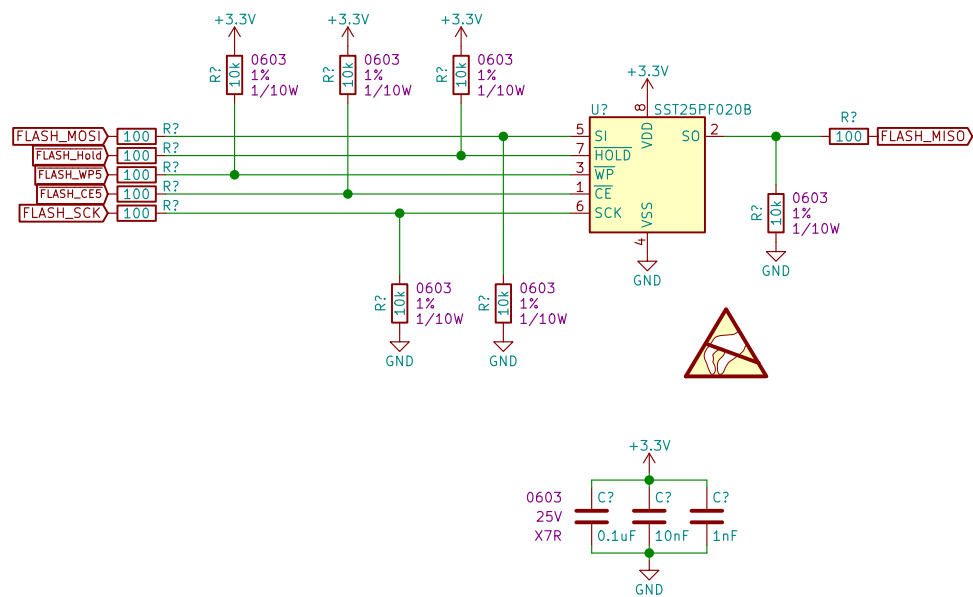
Id: 14/31



Sheet: /External Flash 3/ File: External_Flash_3.sch		
Title:		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.0.1)-3		Id: 15/31



Sheet: /External Flash 4/ File: External_Flash_4.sch		
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Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.0.1)-3		Id: 16/31

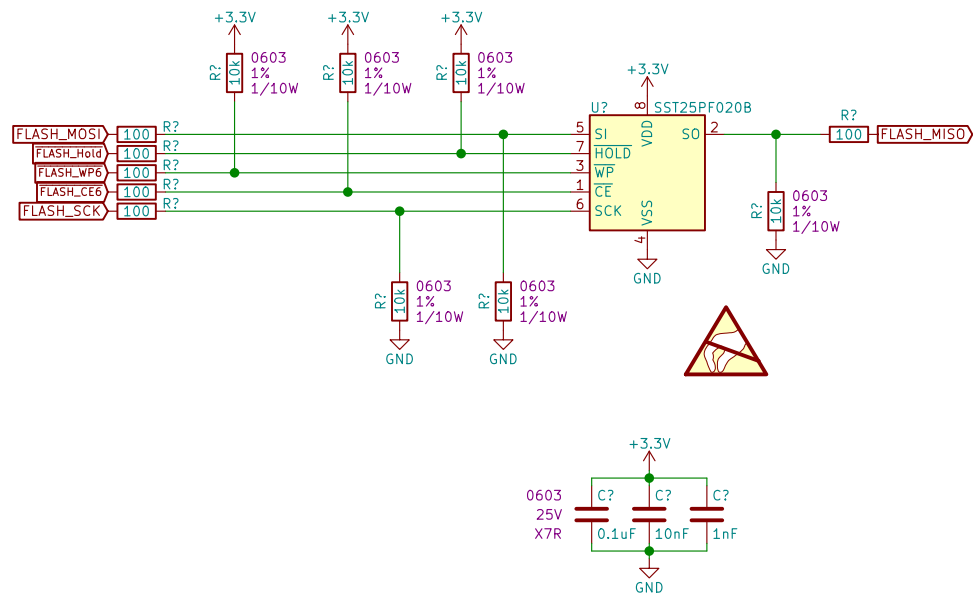


Sheet: /External Flash 5/
File: External_Flash_5.sch

Title:

Size: A Date:
KiCad E.D.A. kicad (5.0.1)-3

Rev:
Id: 17/31



Sheet: /External Flash 6/
File: External_Flash_6.sch

Title:

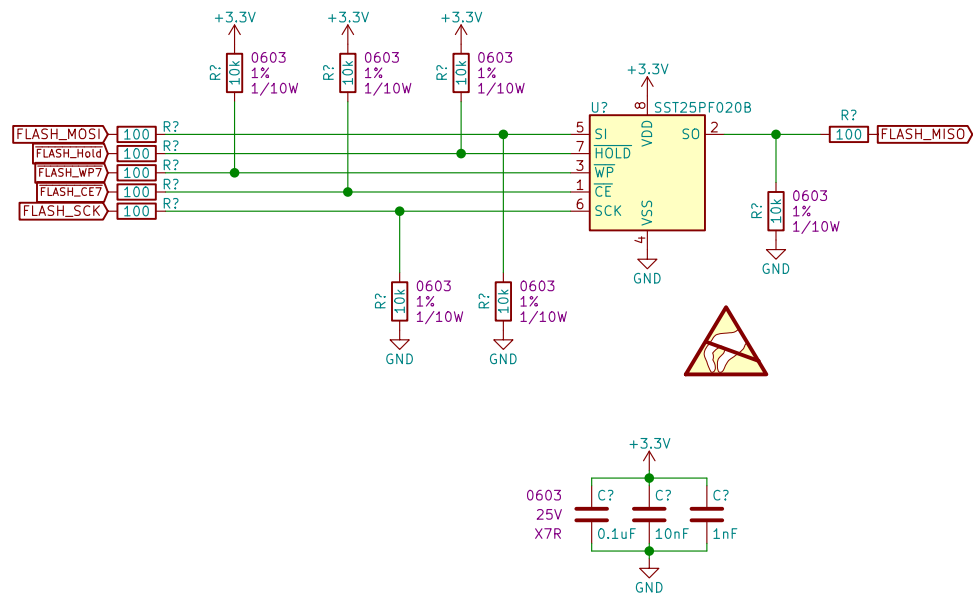
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Date:

KiCad E.D.A. kicad (5.0.1)-3

Rev:

Id: 18/31



Sheet: /External Flash 7/
File: External_Flash_7.sch

Title:

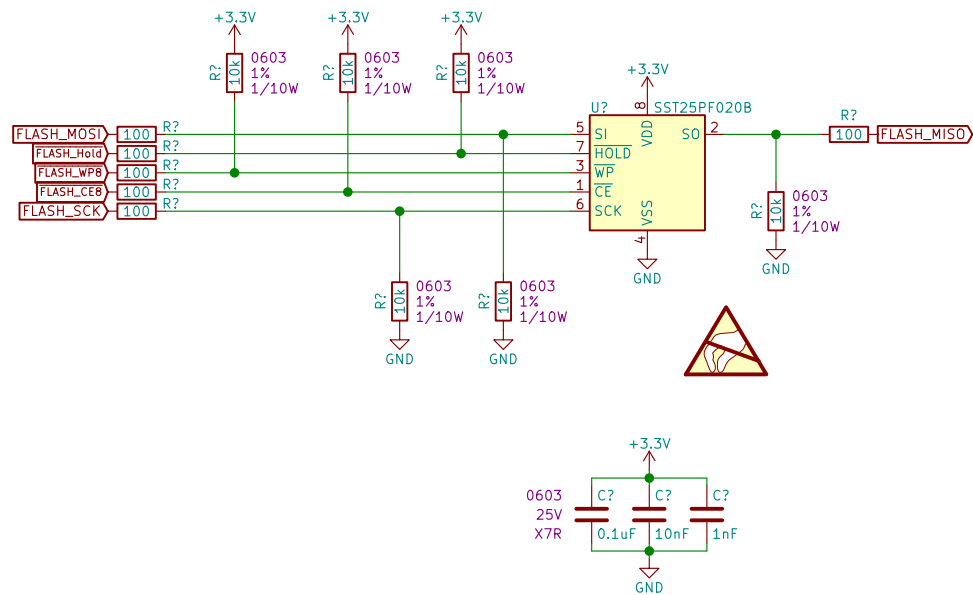
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KiCad E.D.A. kicad (5.0.1)-3

Rev:

Id: 19/31



Sheet: /External Flash 8/
File: External_Flash_8.sch

Title:

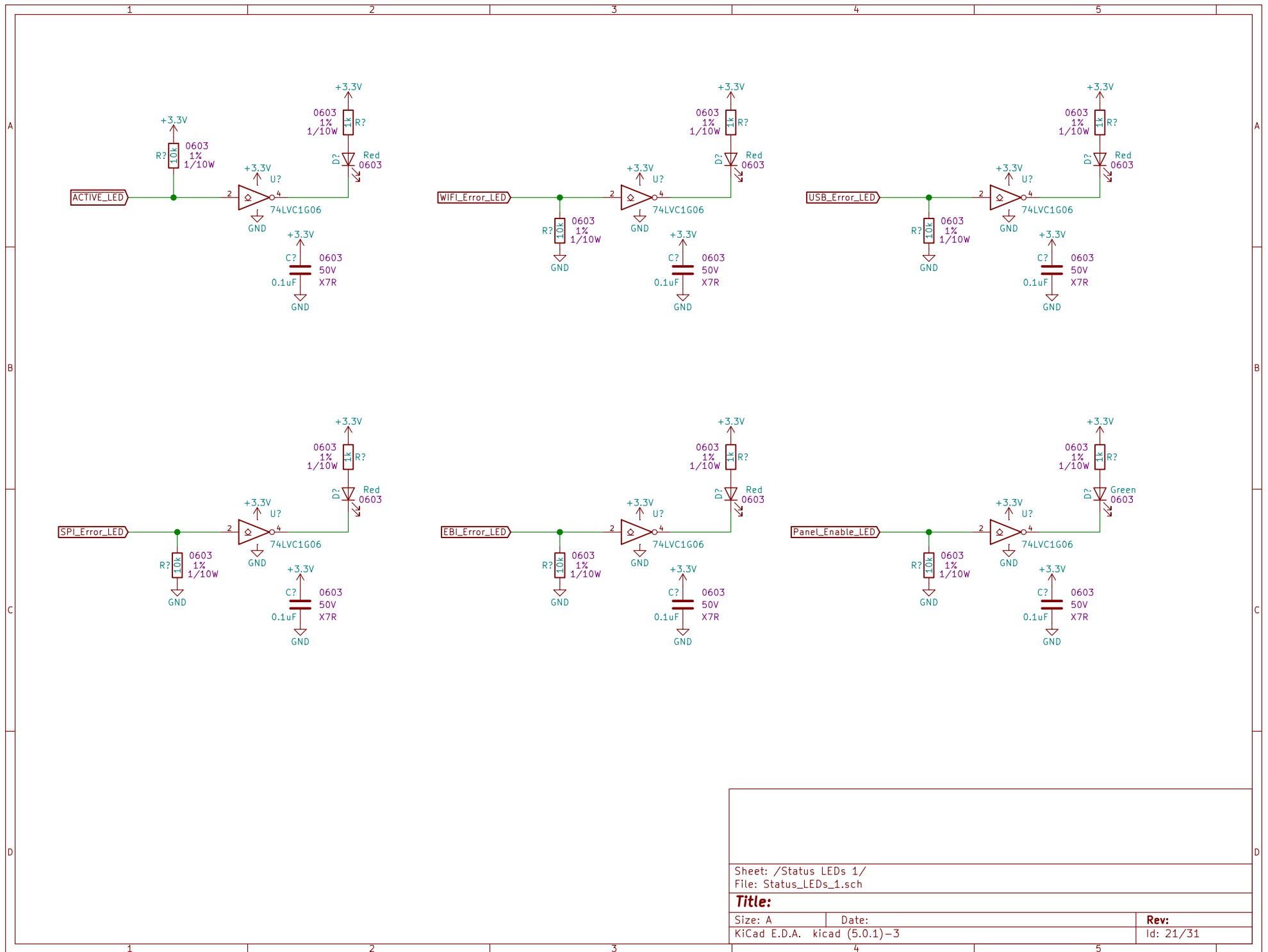
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KiCad E.D.A. kicad (5.0.1)-3

Rev:

Id: 20/31

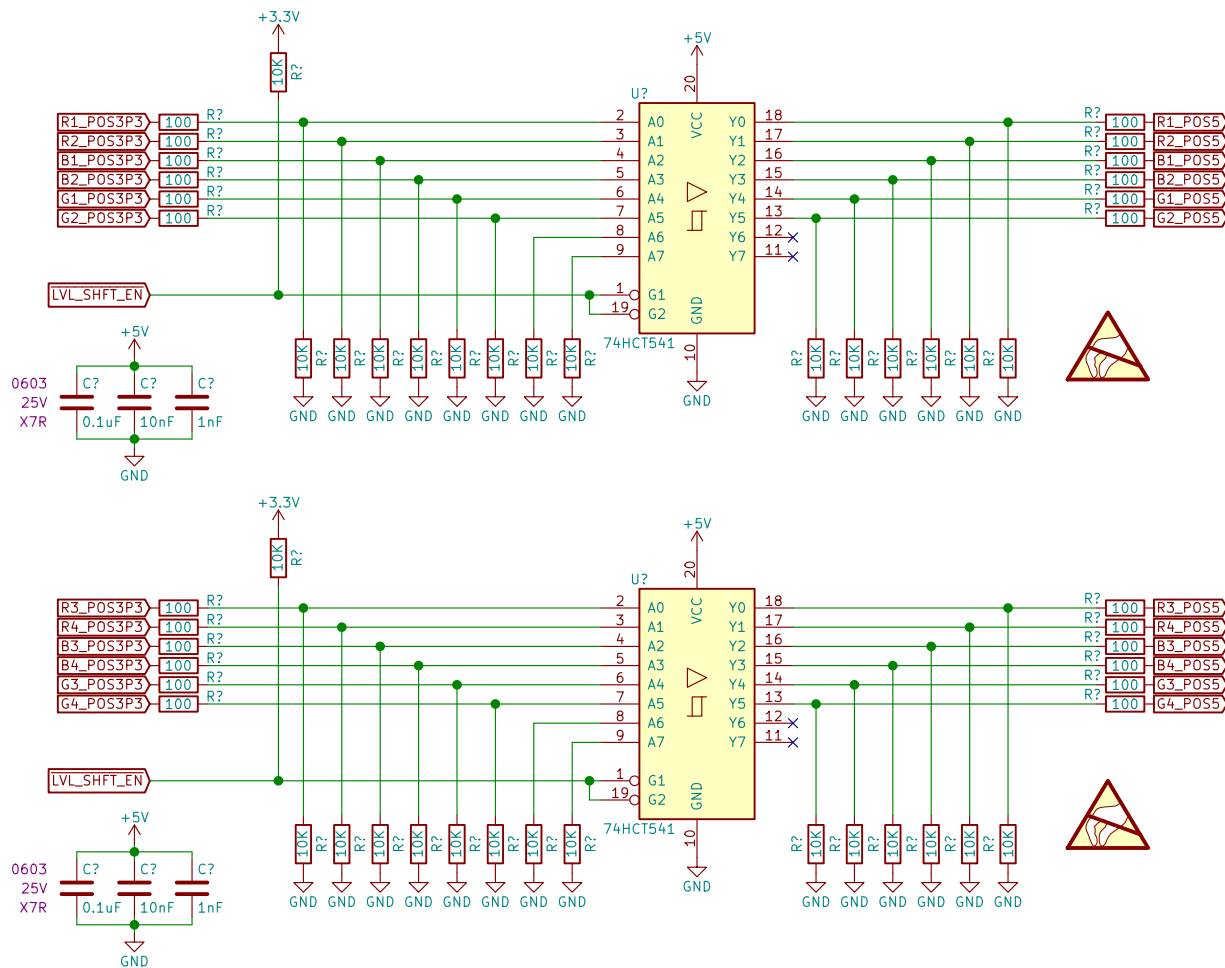


Sheet: /Status LEDs 1/
File: Status_LEDs_1.sch

Title:

Size: A Date:
KiCad E.D.A. kicad (5.0.1)-3

Rev:
Id: 21/31



Sheet: /Panel Data Level Shifters 1/
File: PanelData_LevelShifters_1.sch

Title:

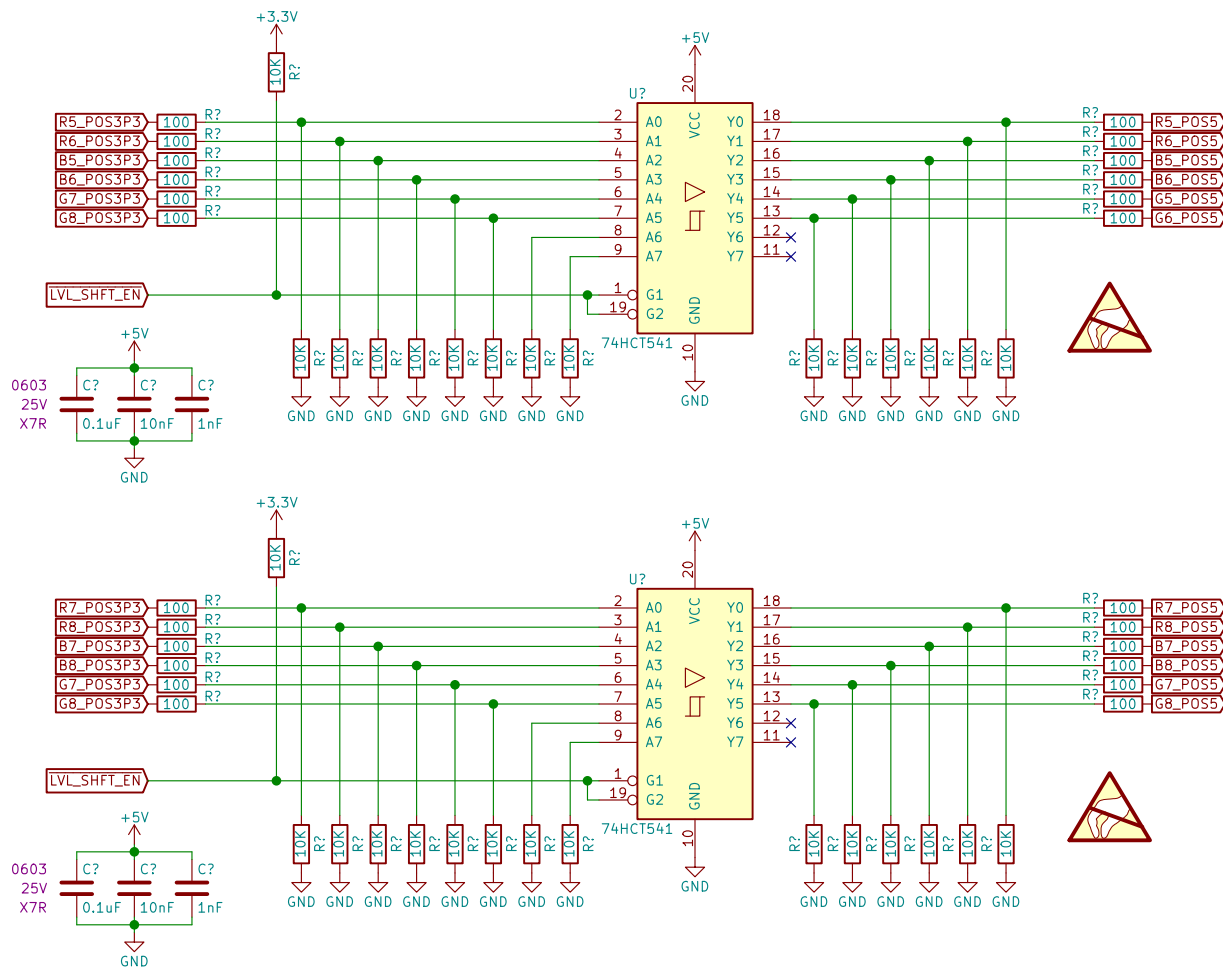
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KiCad E.D.A. kicad (5.0.1)-3

Rev:

Id: 22/31



Sheet: /Panel Data Level Shifters 2/
File: PanelData_LevelShifters_2.sch

Title:

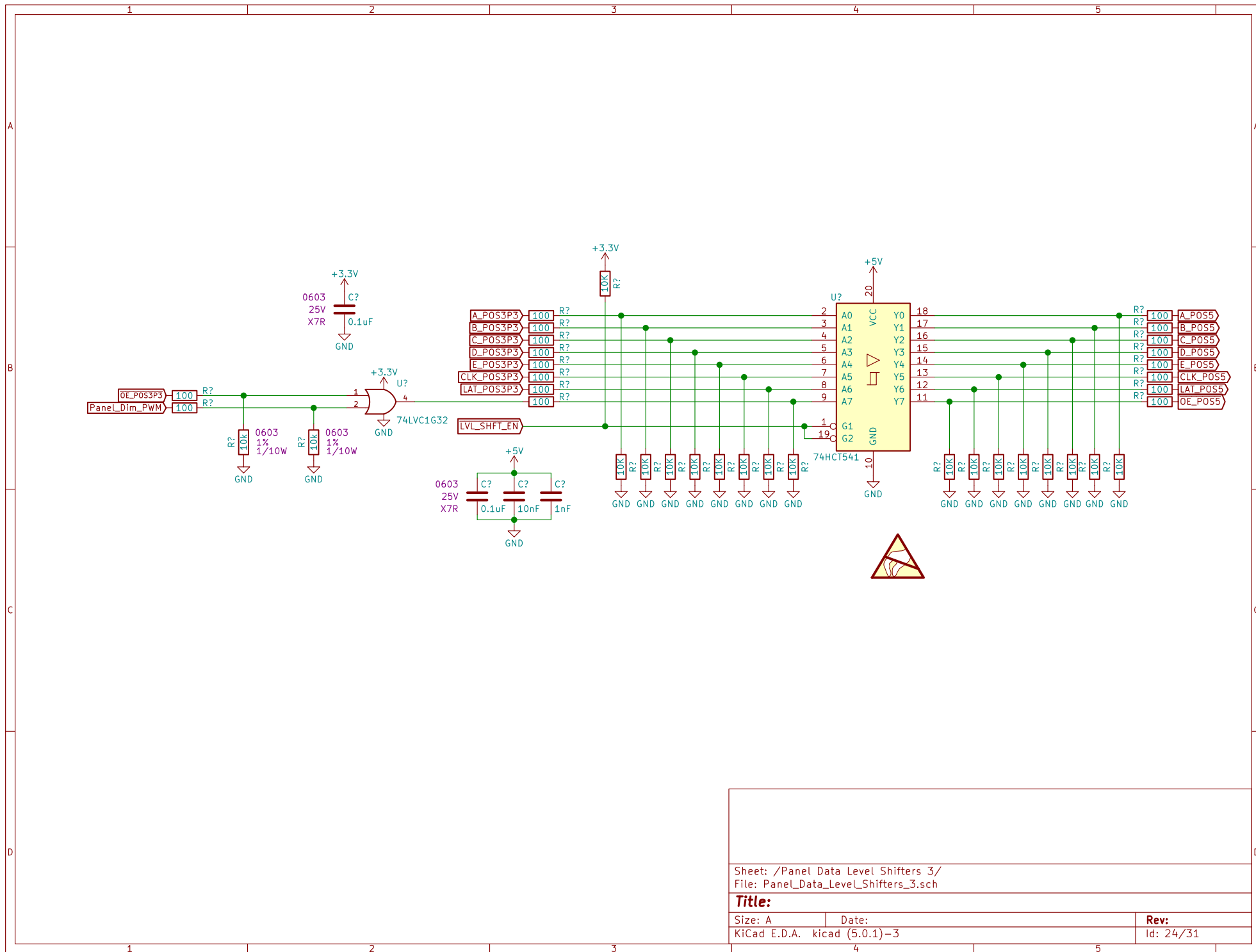
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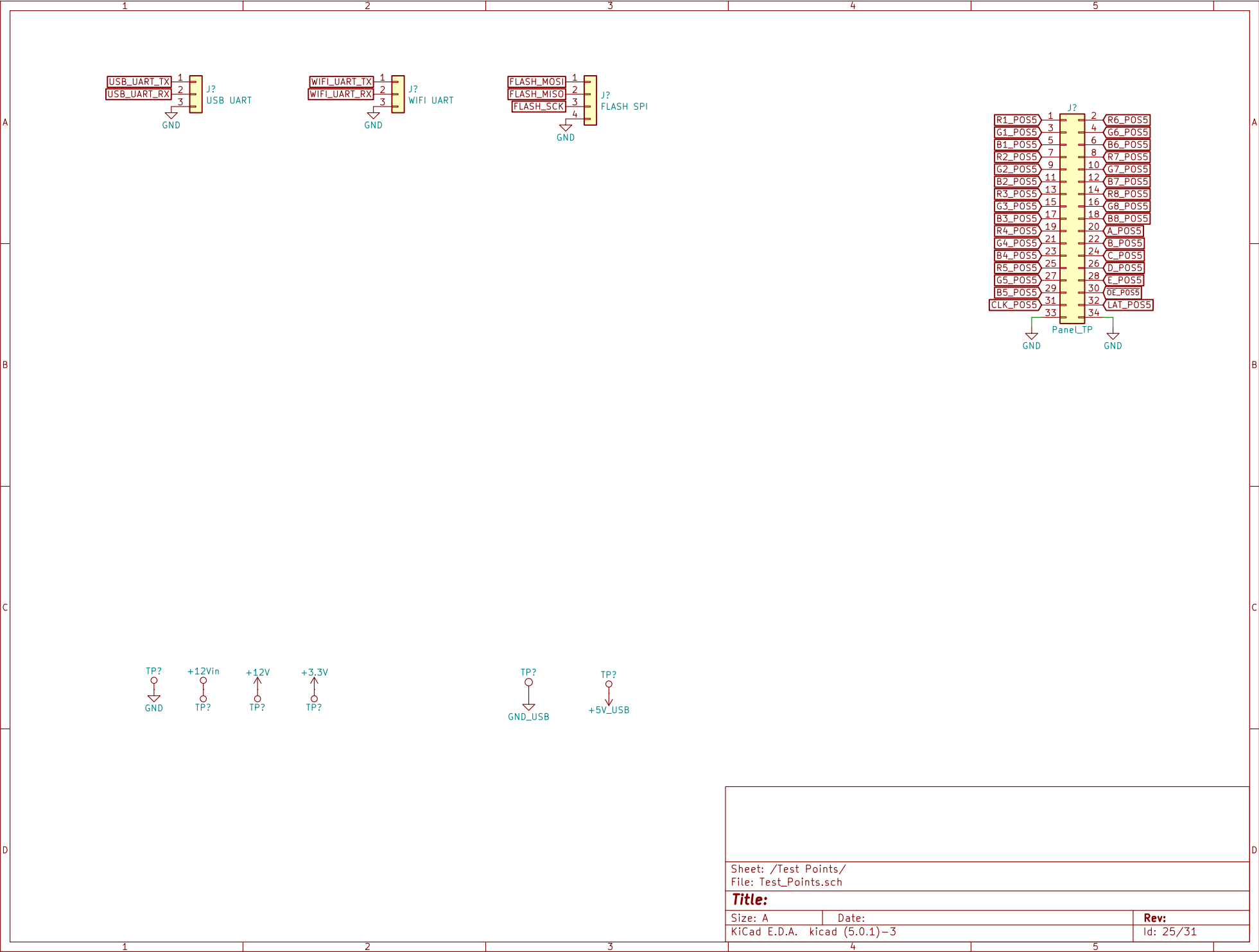
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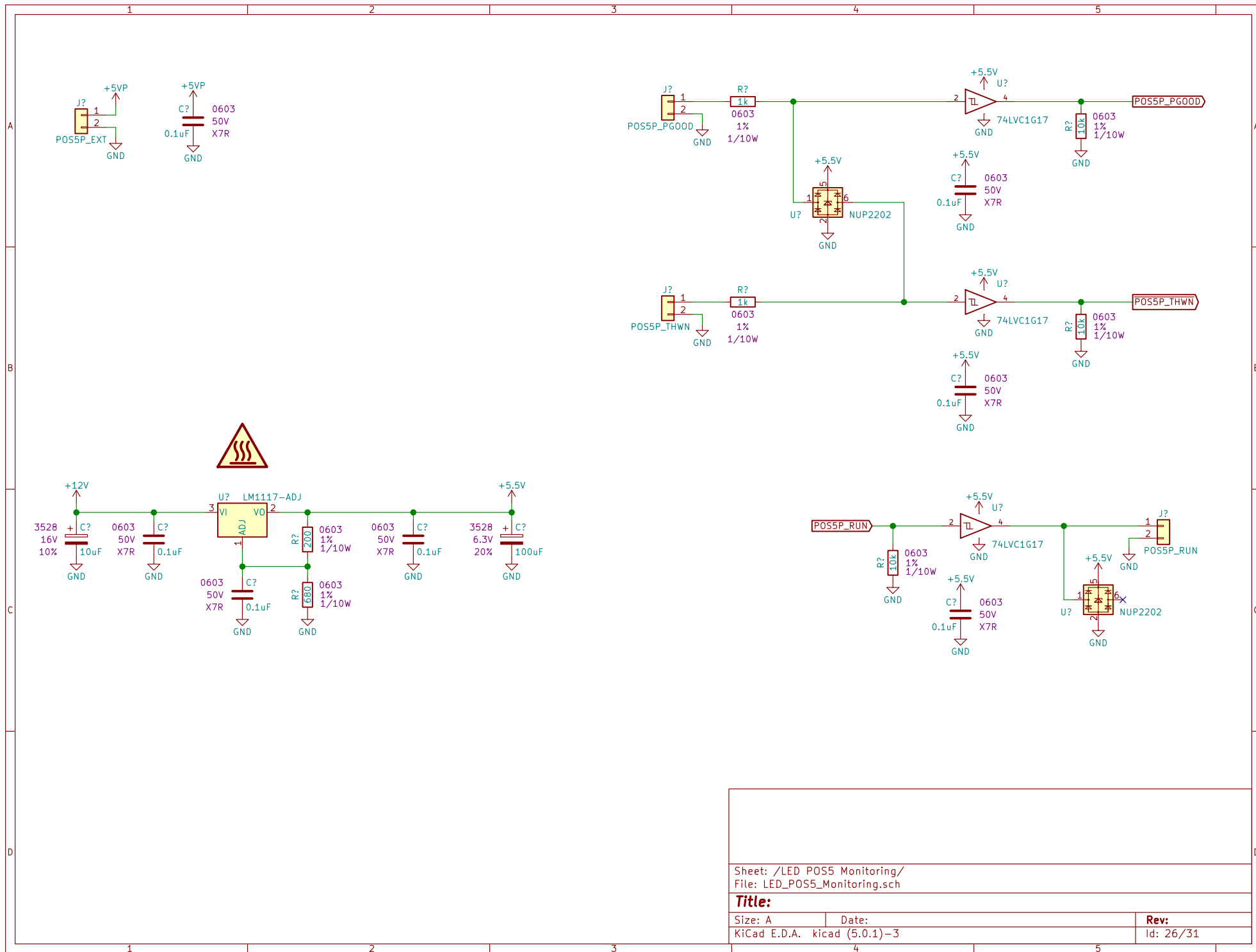
KiCad E.D.A. kicad (5.0.1)-3

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Id: 23/31







Sheet: /LED POS5 Monitoring/
File: LED_POS5_Monitoring.sch

Title:

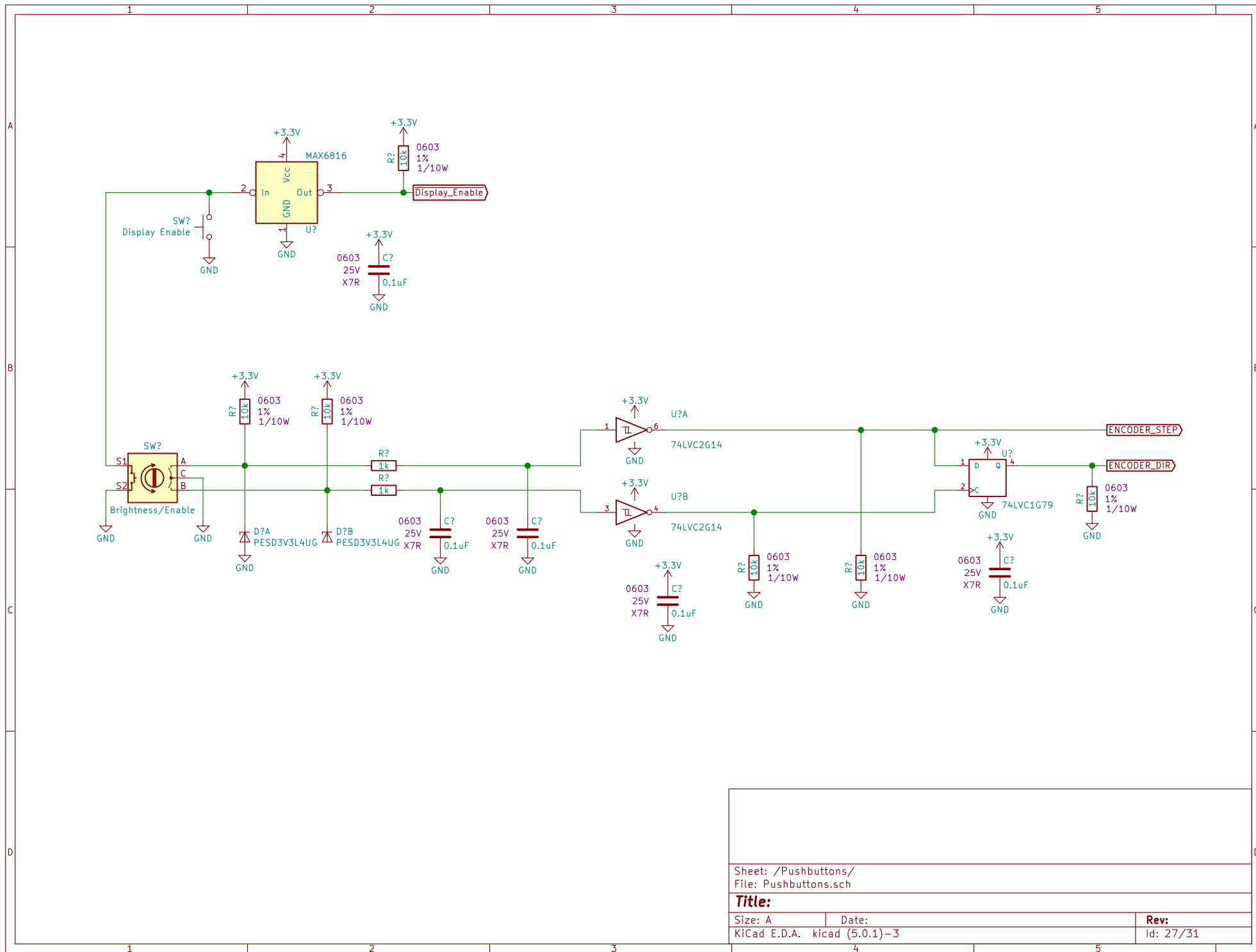
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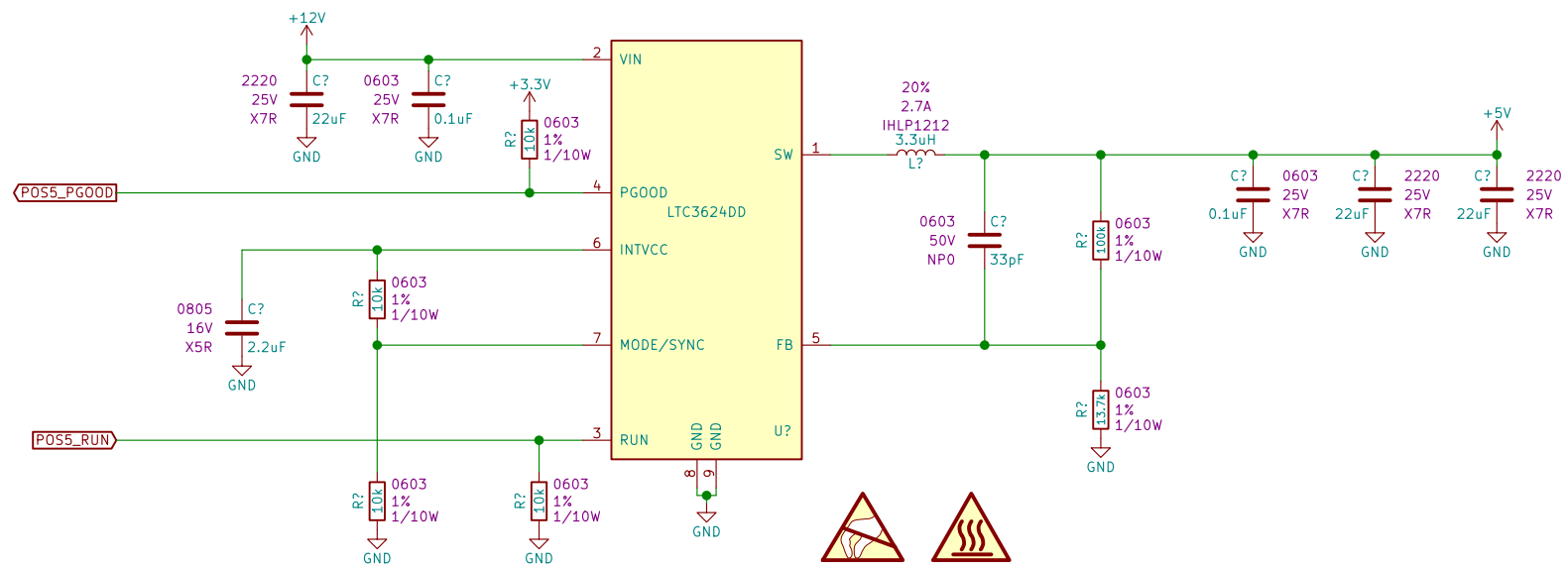
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KiCad E.D.A. kicad (5.0.1)-3

Rev:

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Sheet: /POS5 Power Supply/
File: POS5_Power_Supply.sch

Title:

Size: A

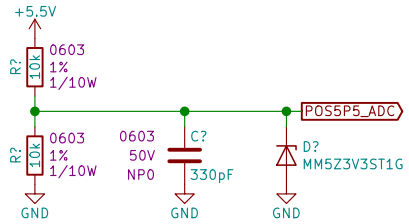
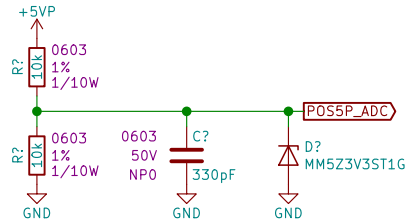
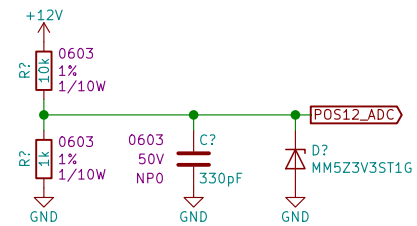
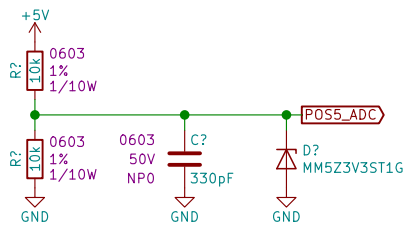
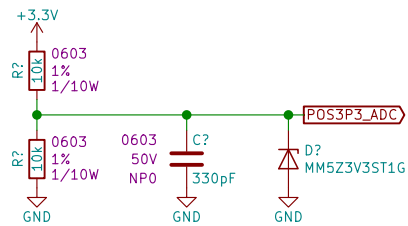
Date:

KiCad E.D.A. kicad (5.0.1)-3

Rev:

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Sheet: /Internal Rail Monitoring/
File: Internal_Rail_Monitoring.sch

Title:

Size: A

Date:

KiCad E.D.A. kicad (5.0.1)-3

Rev:

Id: 30/31

