

	1	2	3	4	5		
A		<div>Power Input</div> <div>Power_Input.sch</div> <div>POS3P3_Power Supply</div> <div>POS3P3_Power_Supply.sch</div> <div>Microcontroller Programming</div> <div>Microcontroller_Programming.sch</div> <div>WiFi Module</div> <div>Wi-Fi_Module.sch</div> <div>USB_UART Isolation</div> <div>USB_UART_Isolation.sch</div> <div>USB_UART Bridge</div> <div>USB_UART_Bridge.sch</div> <div>Panel Data Connectors</div> <div>Panel_Data_Connectors.sch</div> <div>LED_POS5 Monitoring</div> <div>LED_POS5_Monitoring.sch</div> <div>Microcontroller Power</div> <div>Microcontroller_Power.sch</div> <div>Microcontroller A</div> <div>Microcontroller_A.sch</div> <div>Microcontroller B</div> <div>Microcontroller_B.sch</div>		<div>External SRAM</div> <div>External_SRAM.sch</div> <div>External Flash 1</div> <div>External_Flash_1.sch</div> <div>External Flash 2</div> <div>External_Flash_2.sch</div> <div>External Flash 3</div> <div>External_Flash_3.sch</div> <div>External Flash 4</div> <div>External_Flash_4.sch</div> <div>External Flash 5</div> <div>External_Flash_5.sch</div> <div>External Flash 6</div> <div>External_Flash_6.sch</div> <div>External Flash 7</div> <div>External_Flash_7.sch</div> <div>External Flash 8</div> <div>External_Flash_8.sch</div> <div>Status_LEDs_1</div> <div>Status_LEDs_1.sch</div> <div>Panel_Data_Level Shifters 1</div> <div>Panel_Data_Level_Shifters_1.sch</div> <div>Panel_Data_Level Shifters 2</div> <div>Panel_Data_Level_Shifters_2.sch</div> <div>Panel_Data_Level Shifters 3</div> <div>Panel_Data_Level_Shifters_3.sch</div> <div>Test Points</div> <div>Test_Points.sch</div> <div>Pushbuttons</div> <div>Pushbuttons.sch</div> <div>POS5_Power Supply</div> <div>POS5_Power_Supply.sch</div>	<div>Mechanical</div> <div>Mechanical.sch</div> <div>Internal_Rail Monitoring</div> <div>Internal_Rail_Monitoring.sch</div> <div>Status_LEDs_2</div> <div>Status_LEDs_2.sch</div>		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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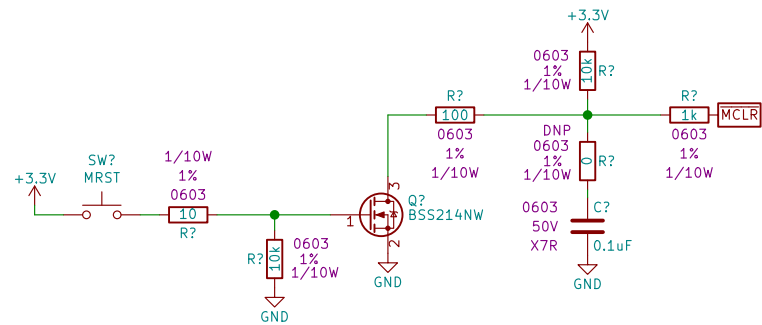
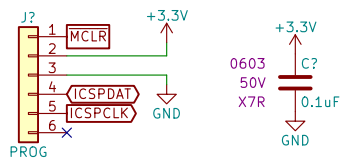
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Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.0.1)-3		Id: 2/31

Id: 2/31



Id: 3/31



Sheet: /Microcontroller Programming/  
File: Microcontroller\_Programming.sch

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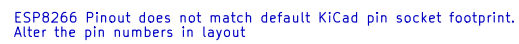
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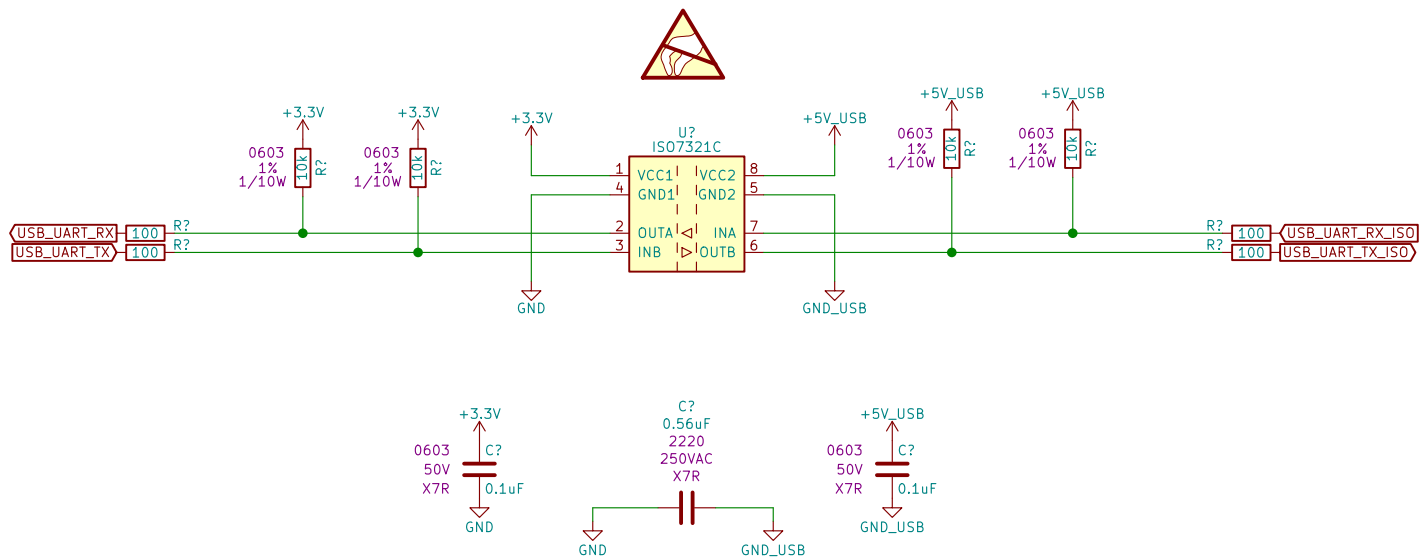
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**Rev:**

Id: 4/31



Id: 5/31



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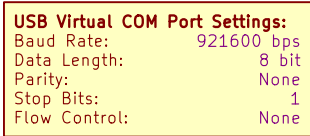
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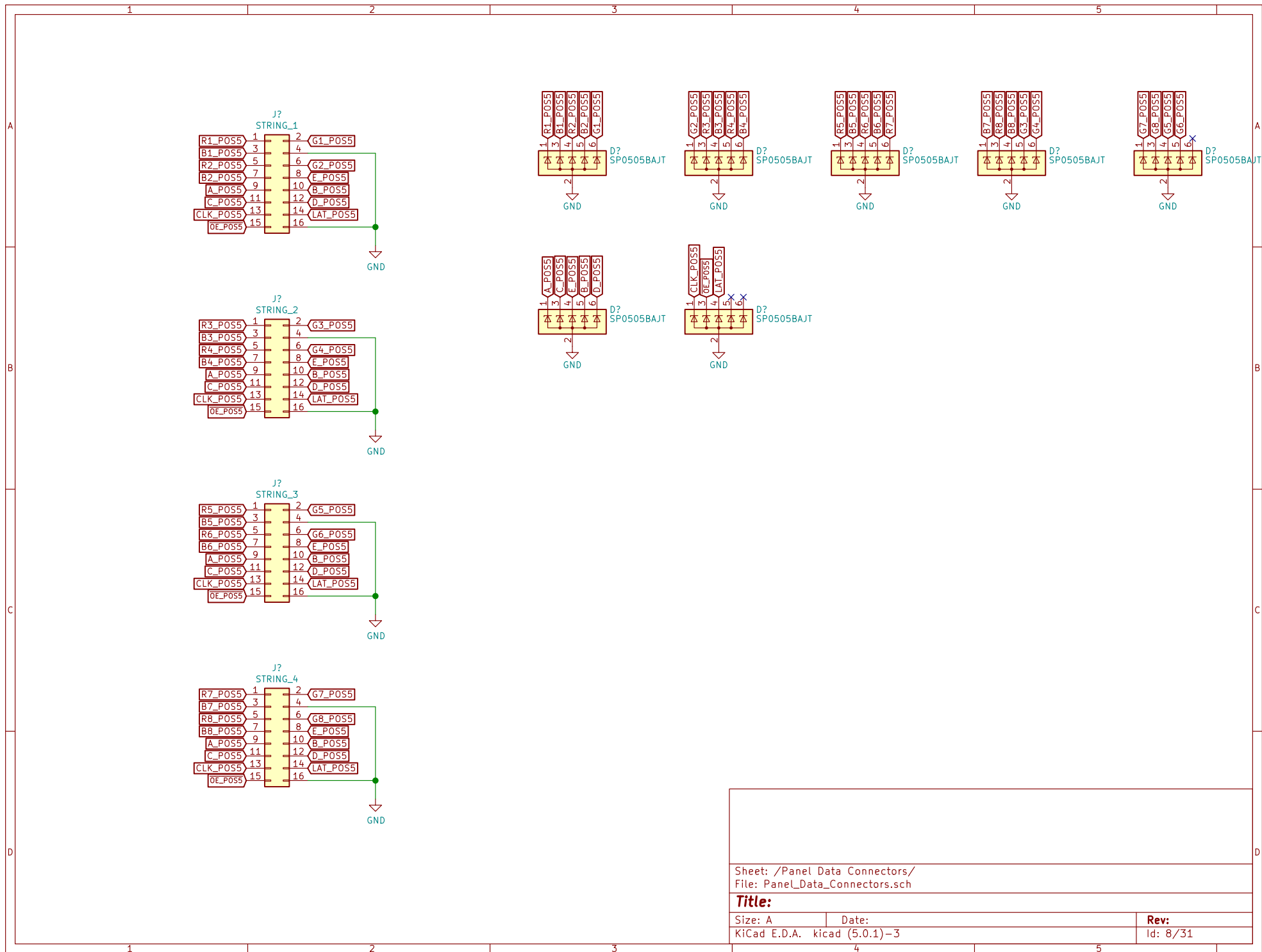
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**Rev:**

Id: 6/31



Size: A	Date:	Rev:
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File: PanelData\_Connectors.sch

**Title:**

Size: A

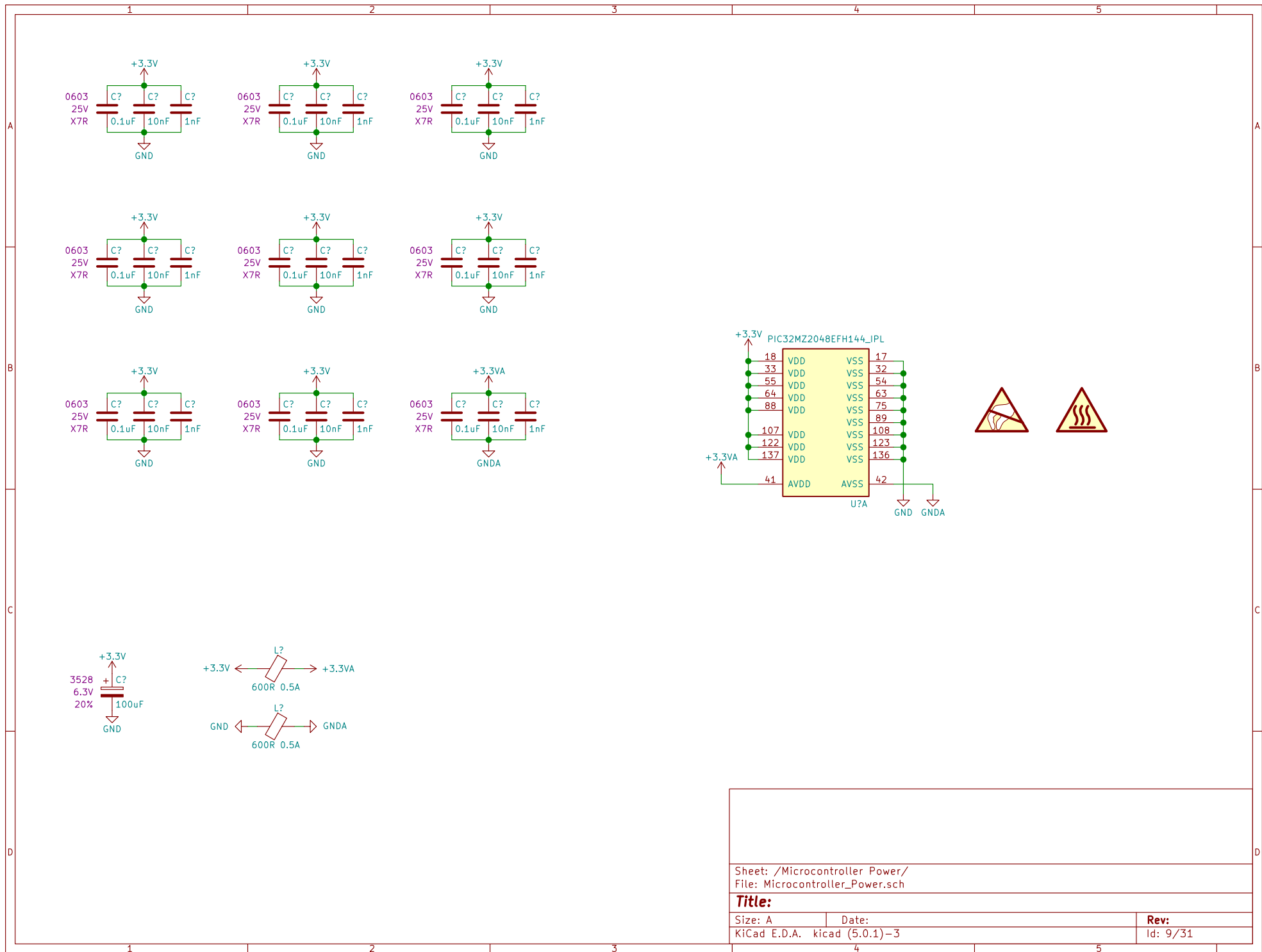
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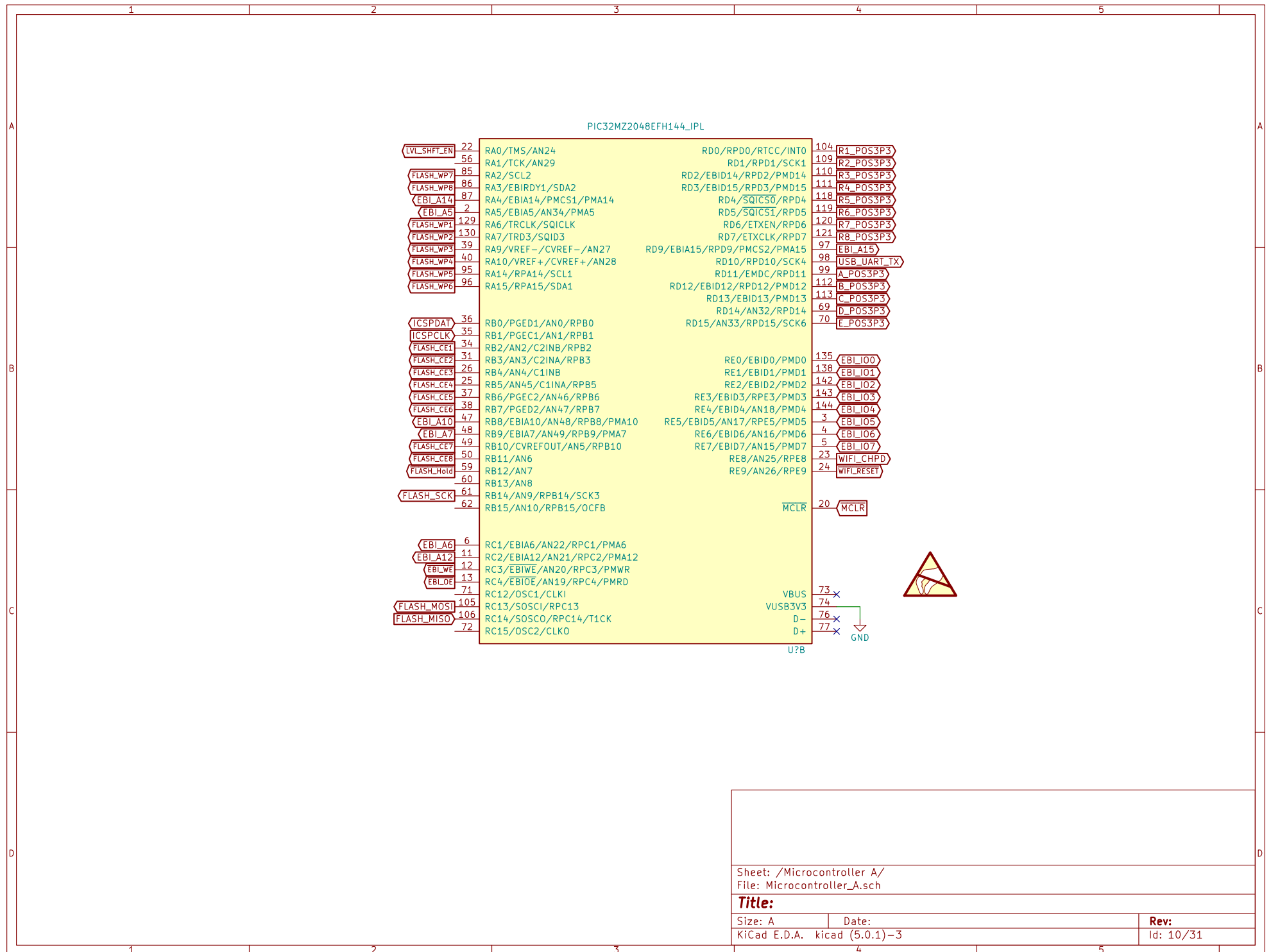
**Rev:**

Id: 8/31





Sheet: /Microcontroller Power/ File: Microcontroller_Power.sch		
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Size: A	Date:	Rev:
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File: Microcontroller\_A.sch

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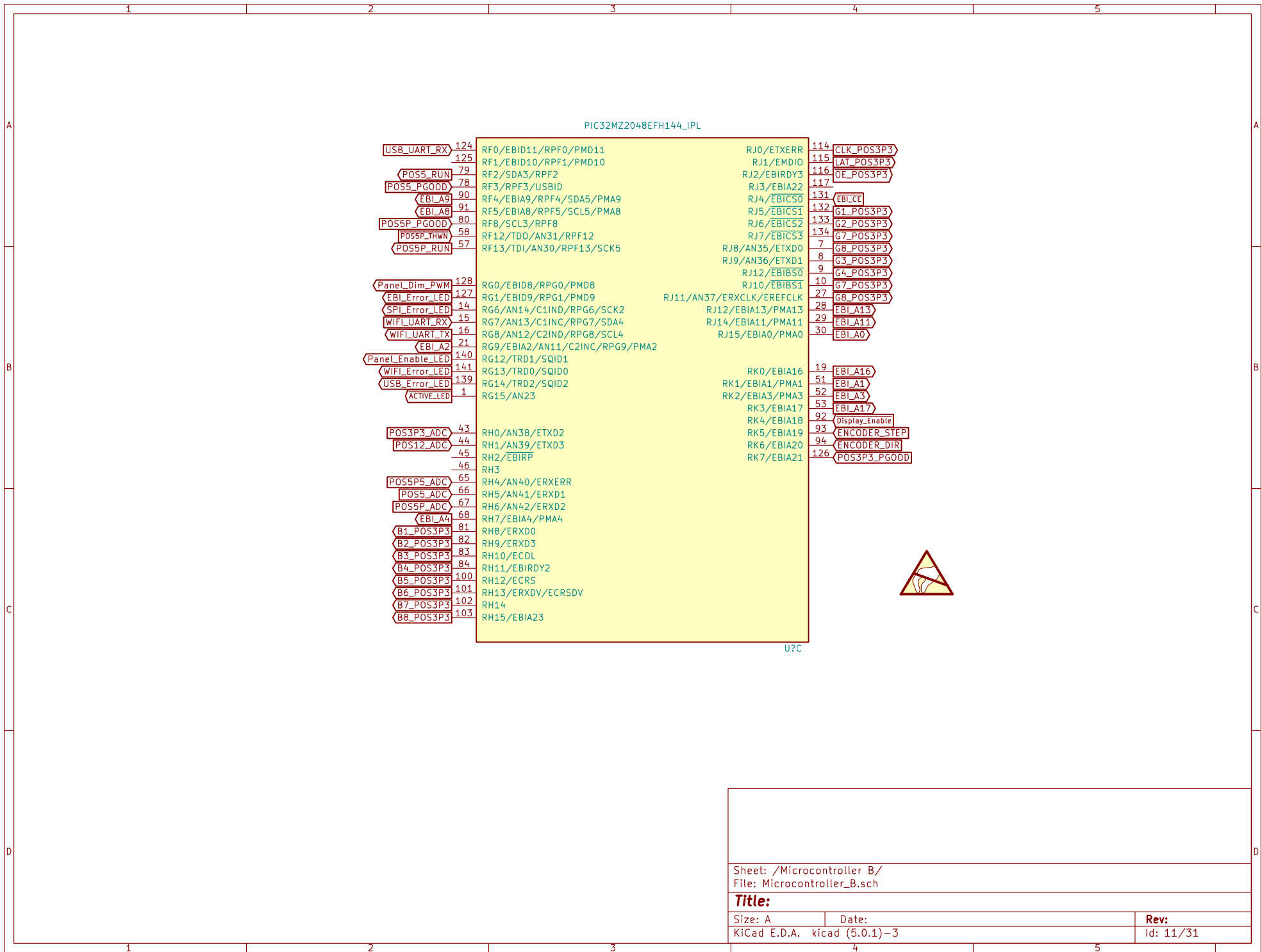
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**Rev:**

Id: 10/31



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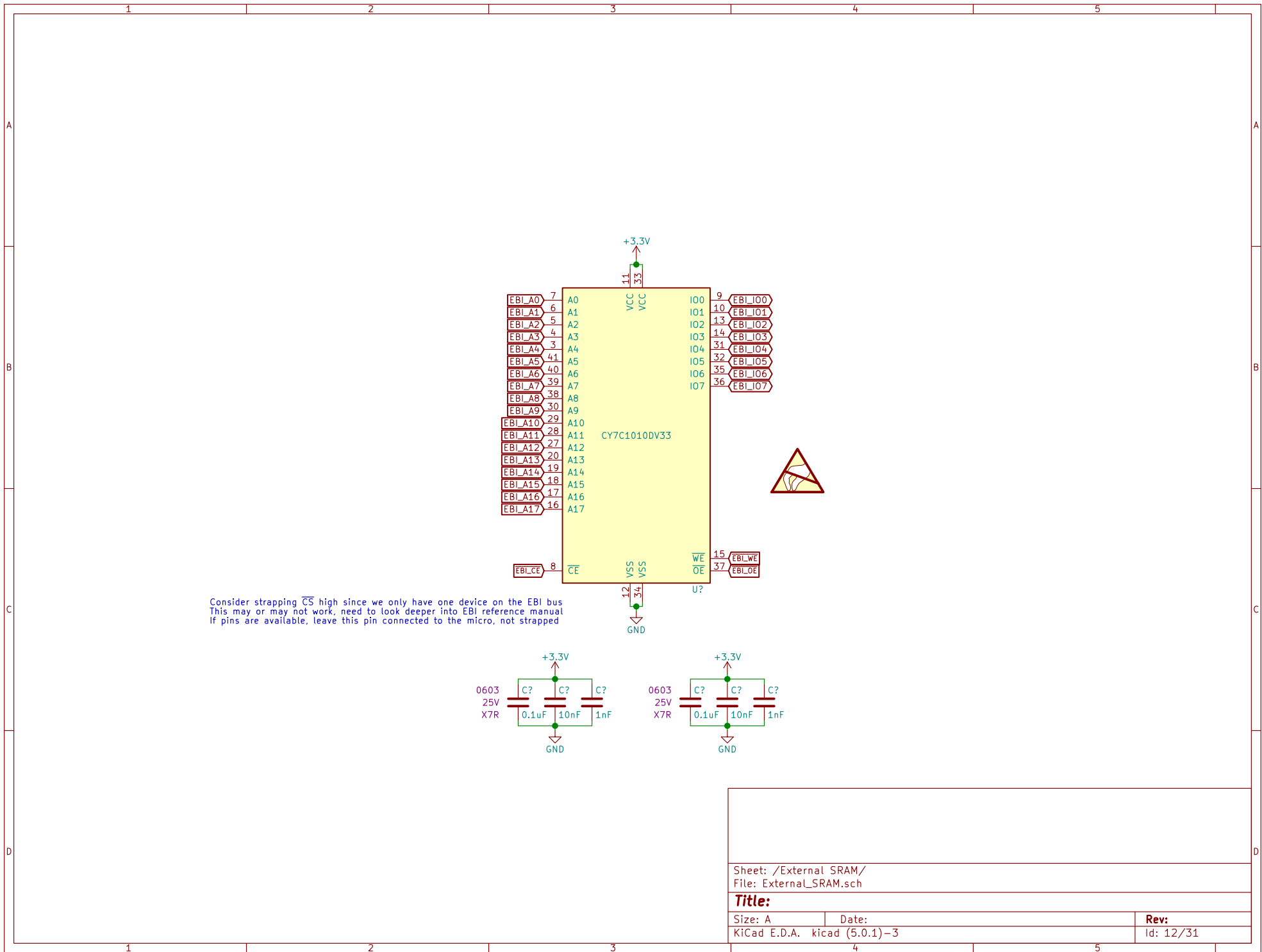
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**Rev:**

Id: 11/31

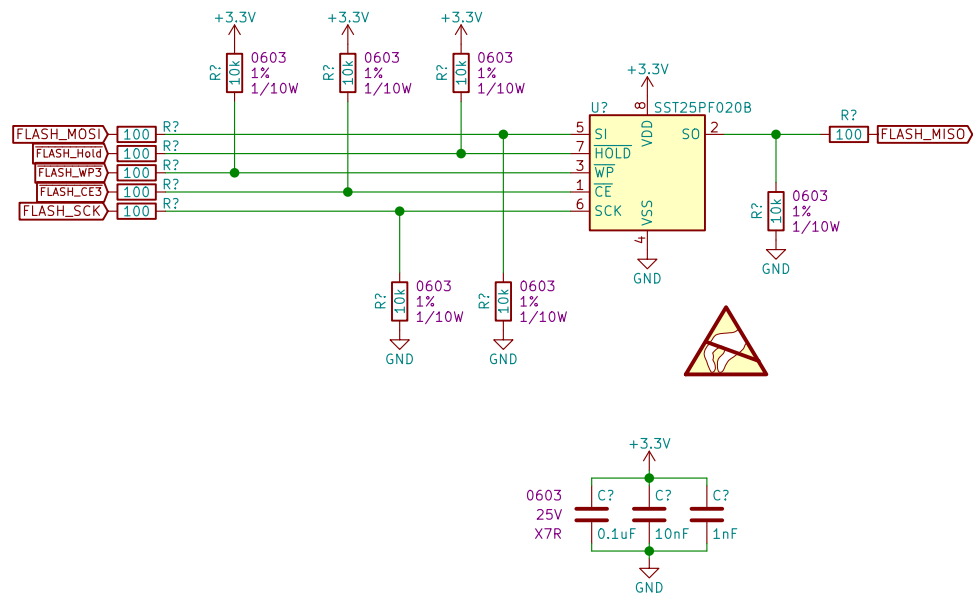




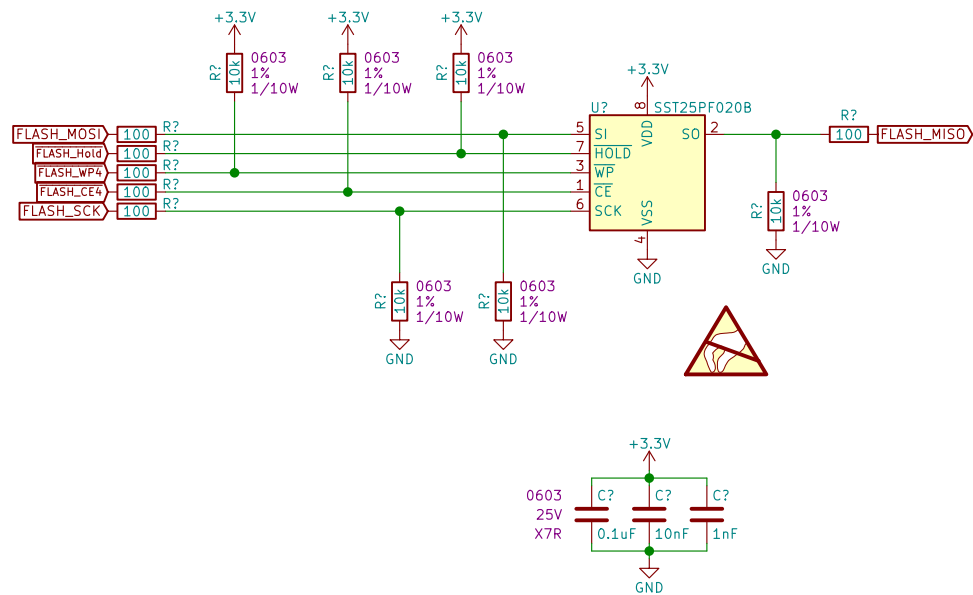
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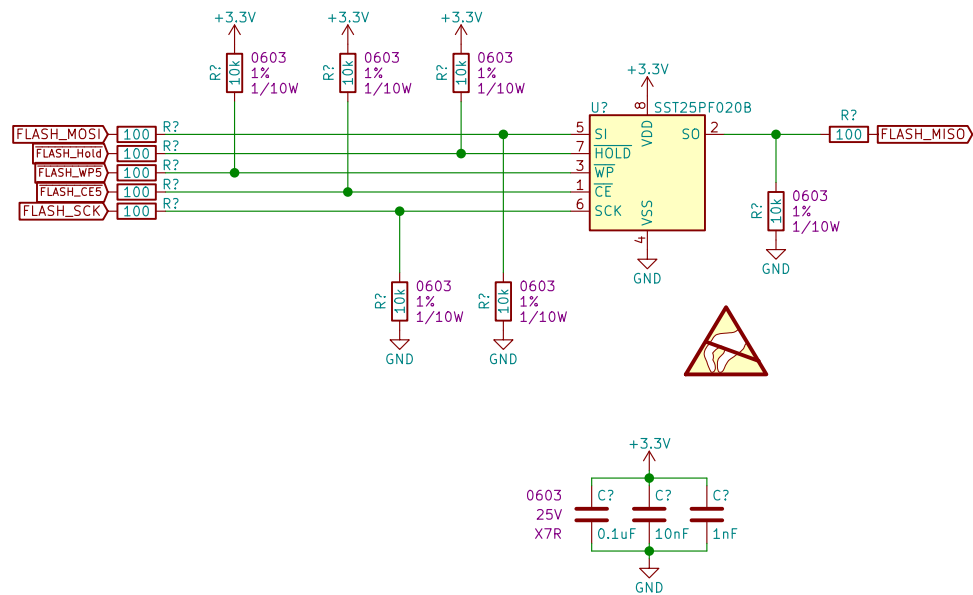


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Sheet: /External Flash 4/ File: External_Flash_4.sch		
<b>Title:</b>		
Size: A	Date:	Rev:
KiCad E.D.A. kicad (5.0.1)-3		Id: 16/31





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File: External\_Flash\_5.sch

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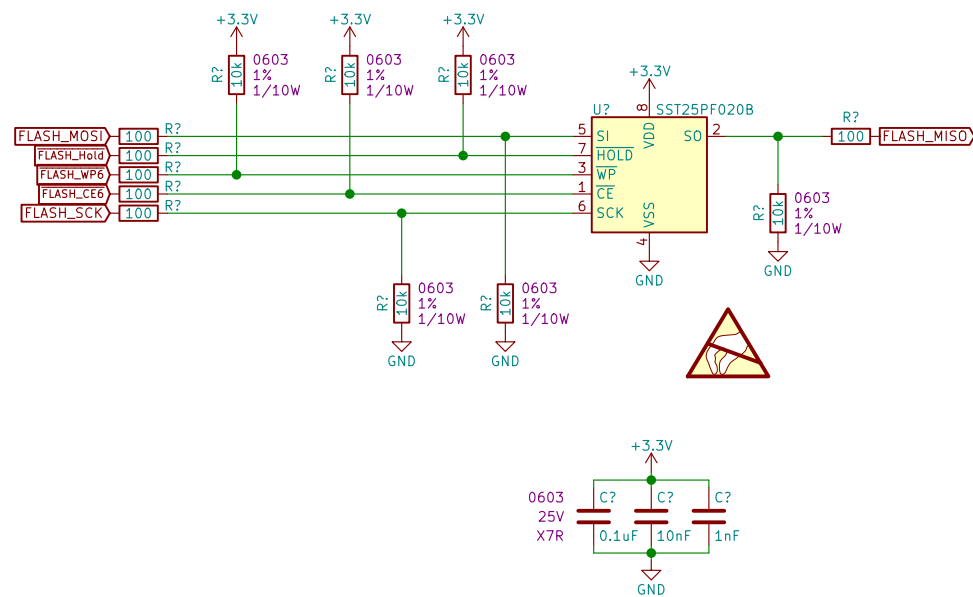
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**Rev:**

Id: 17/31



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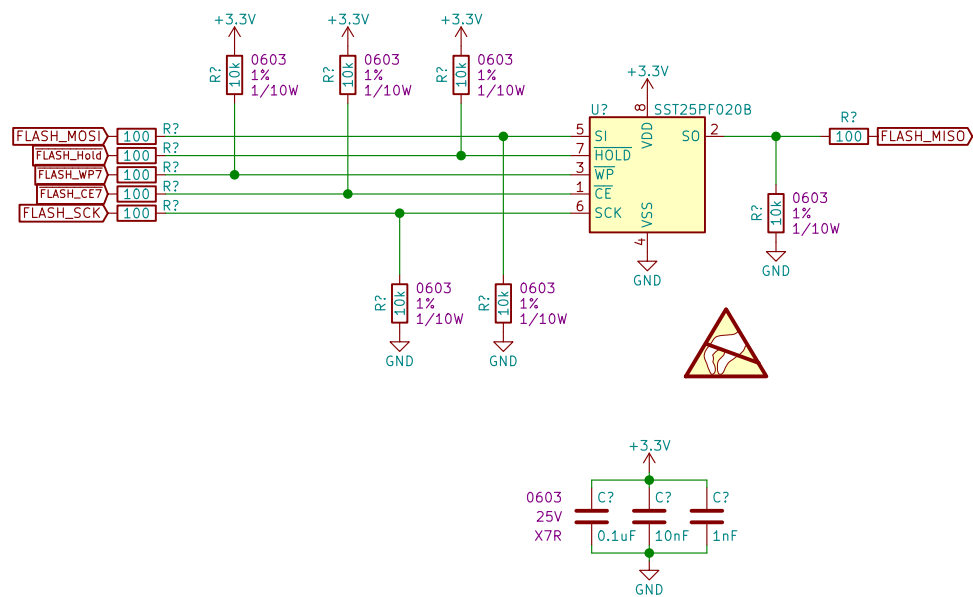
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KiCad E.D.A. kicad (5.0.1)-3

**Rev:**

Id: 18/31



Sheet: /External Flash 7/  
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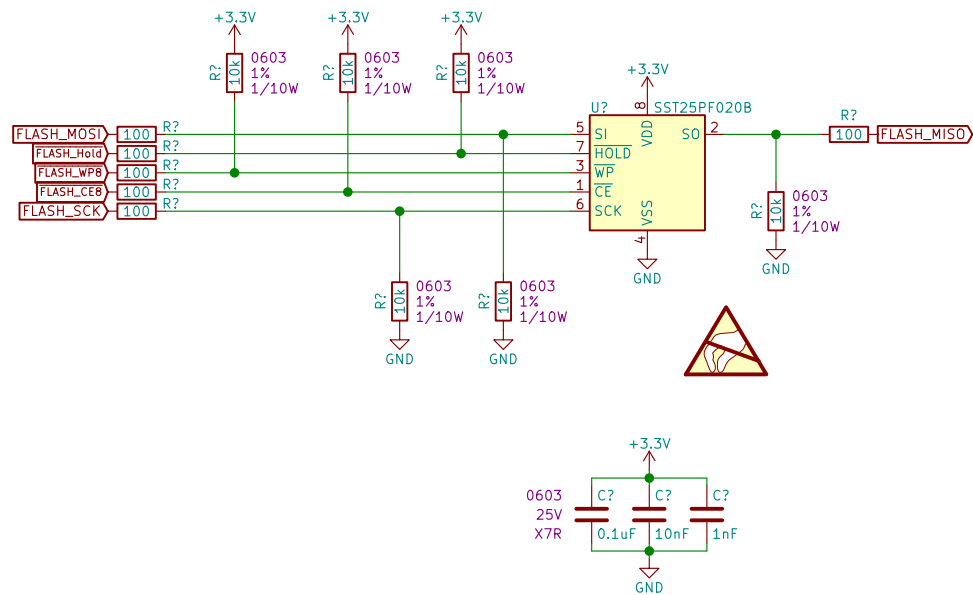
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**Rev:**

Id: 19/31



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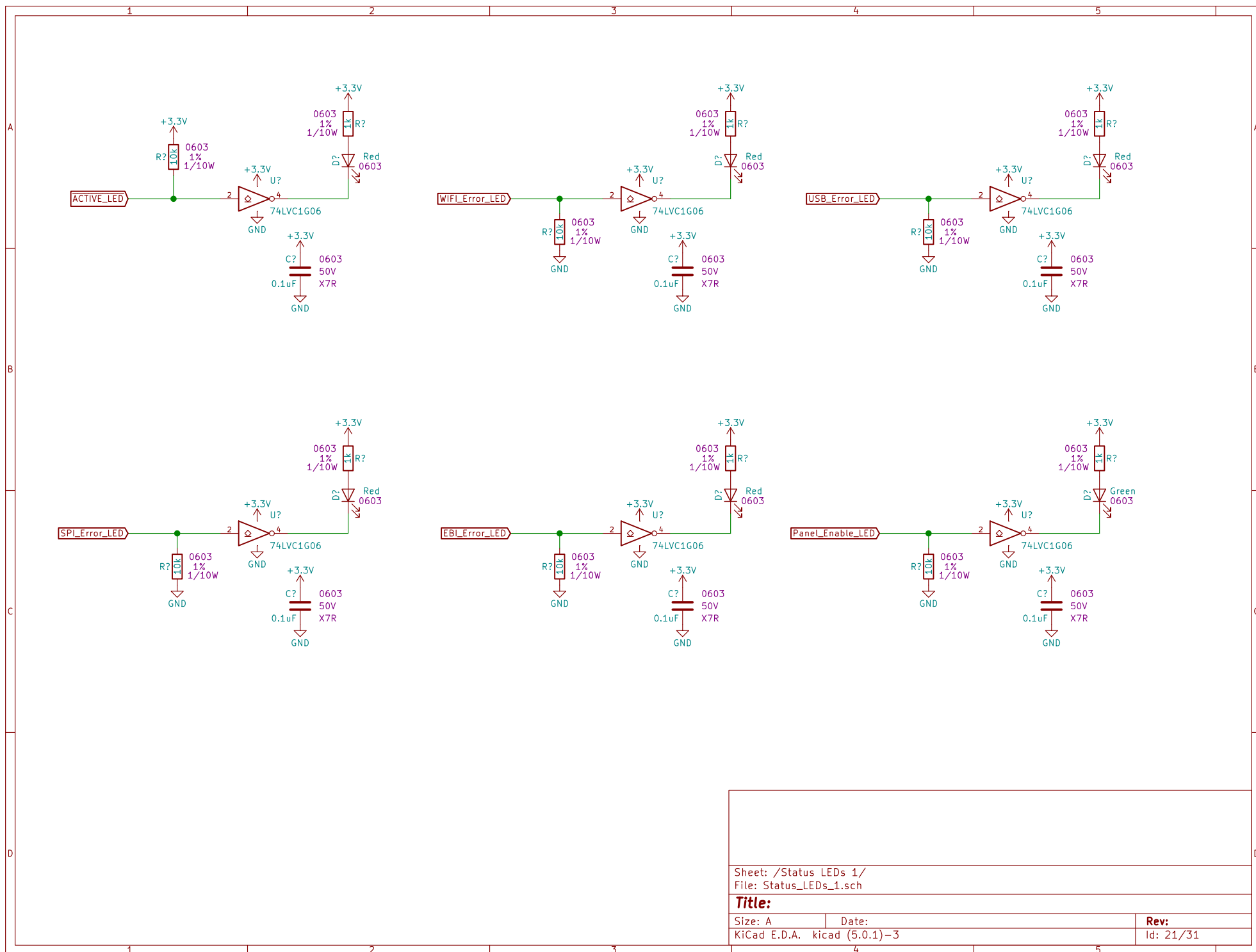
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**Rev:**

Id: 20/31

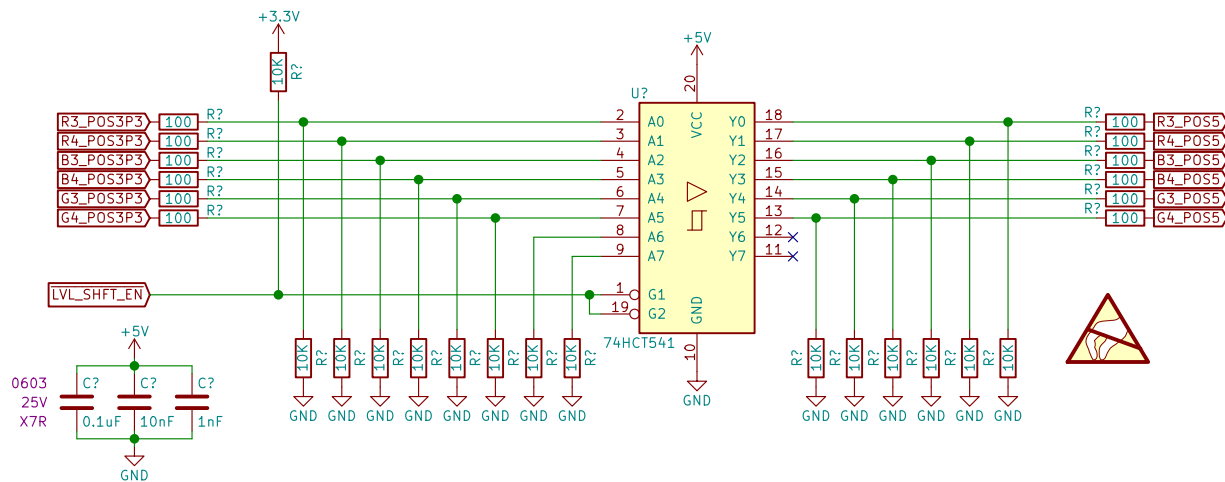
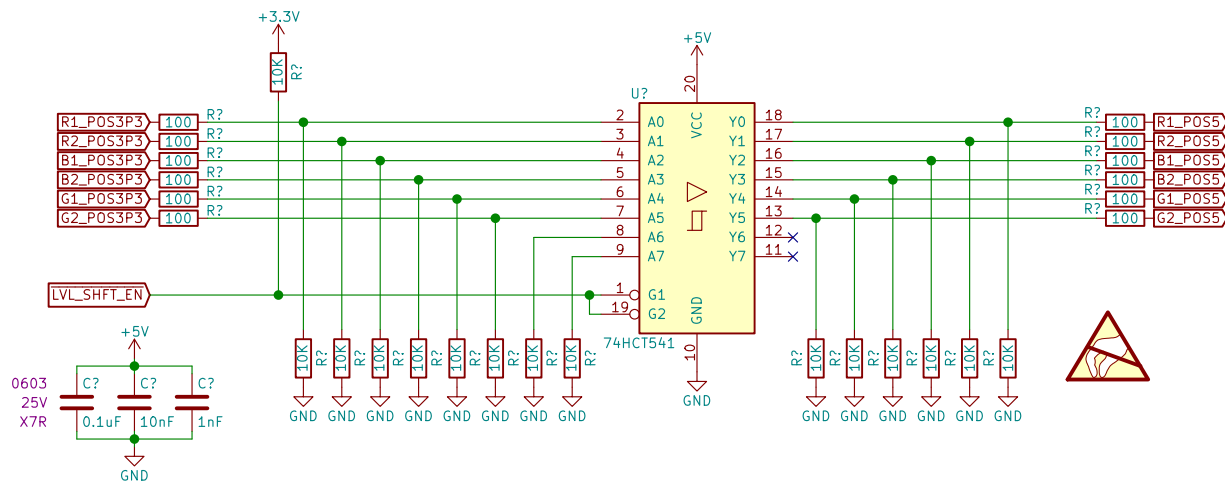


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Size: A Date:  
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Rev:  
Id: 21/31

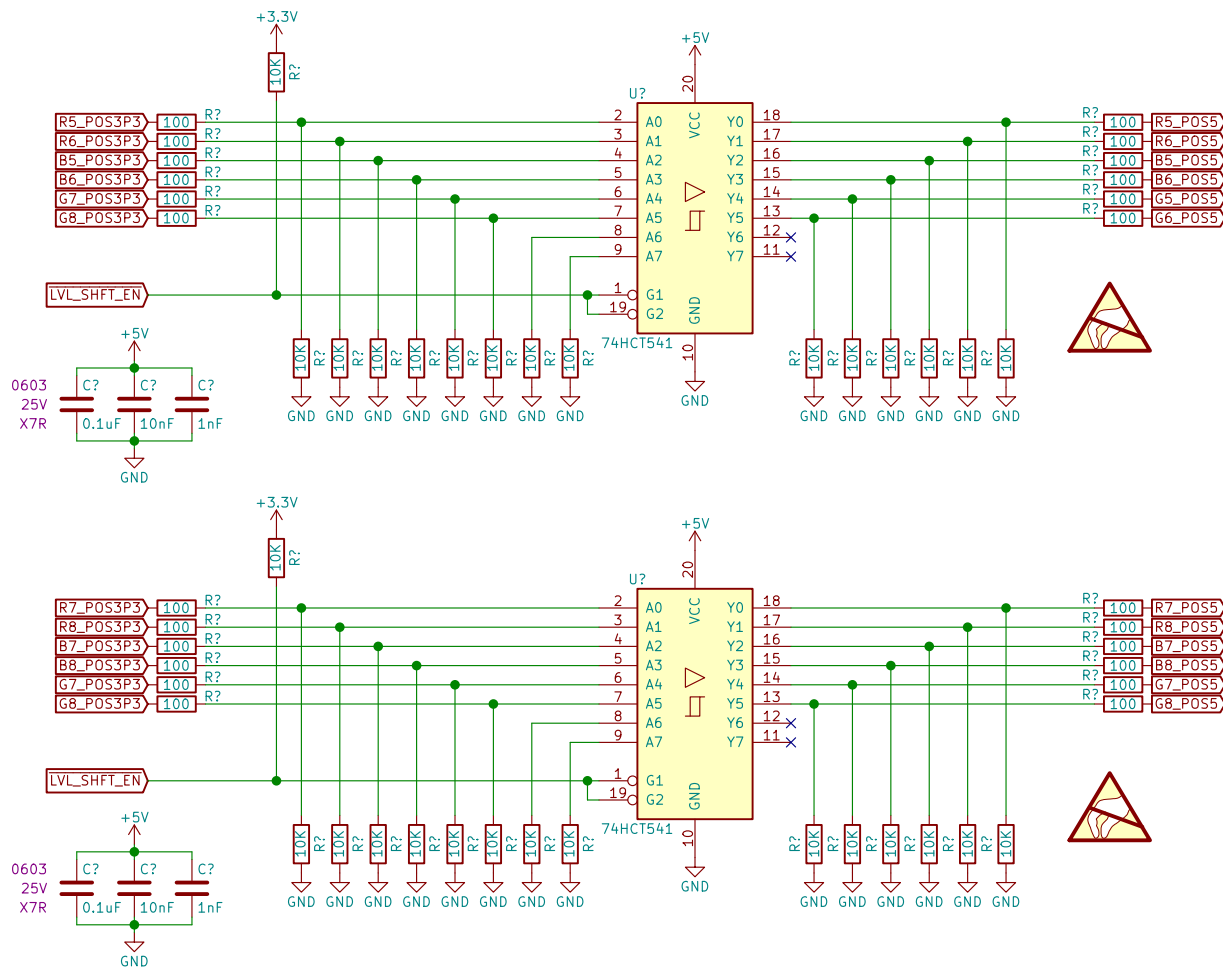


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Size: A Date:  
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Rev:  
Id: 22/31



Sheet: /Panel Data Level Shifters 2/  
File: PanelData\_LevelShifters\_2.sch

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Size: A

Date:

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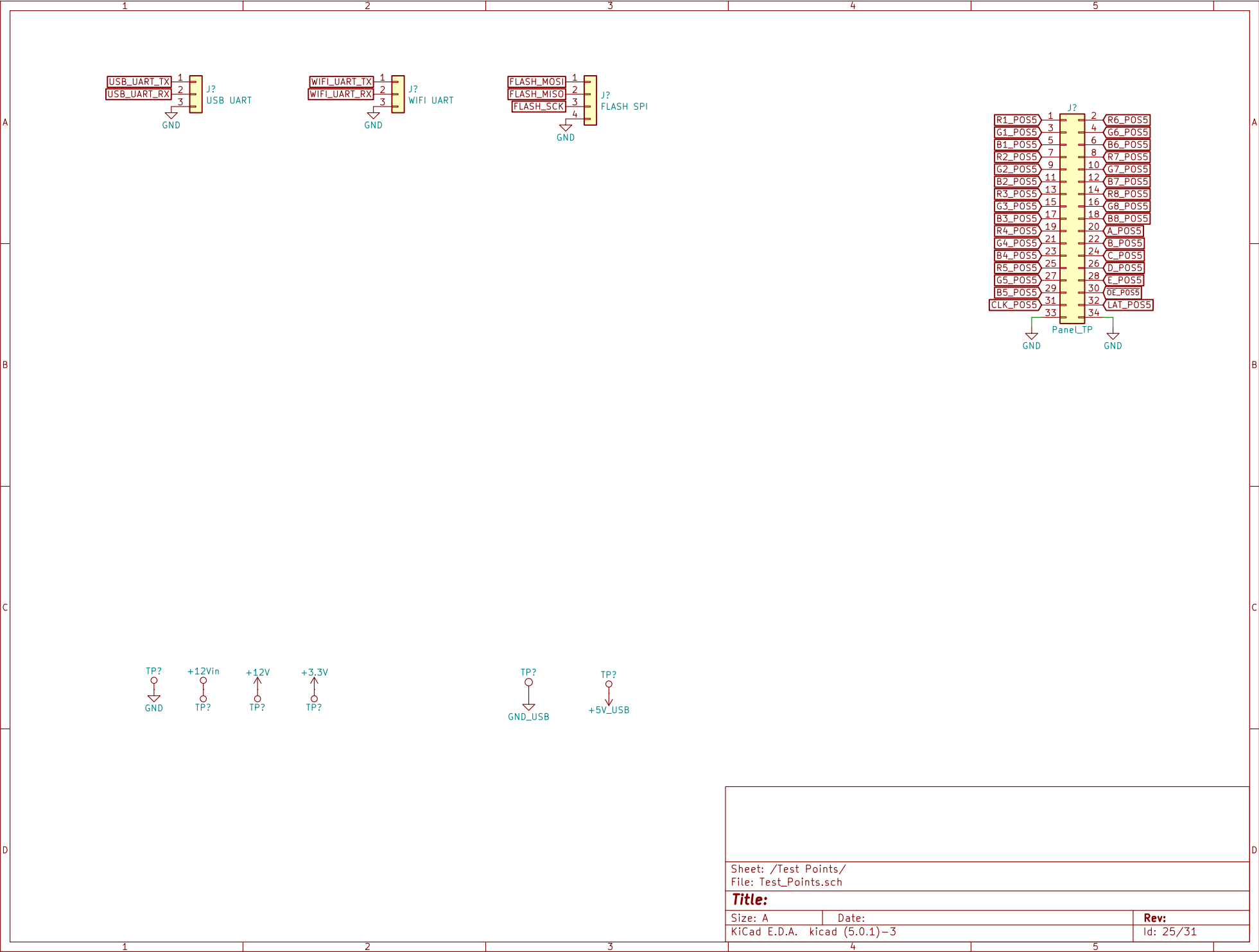
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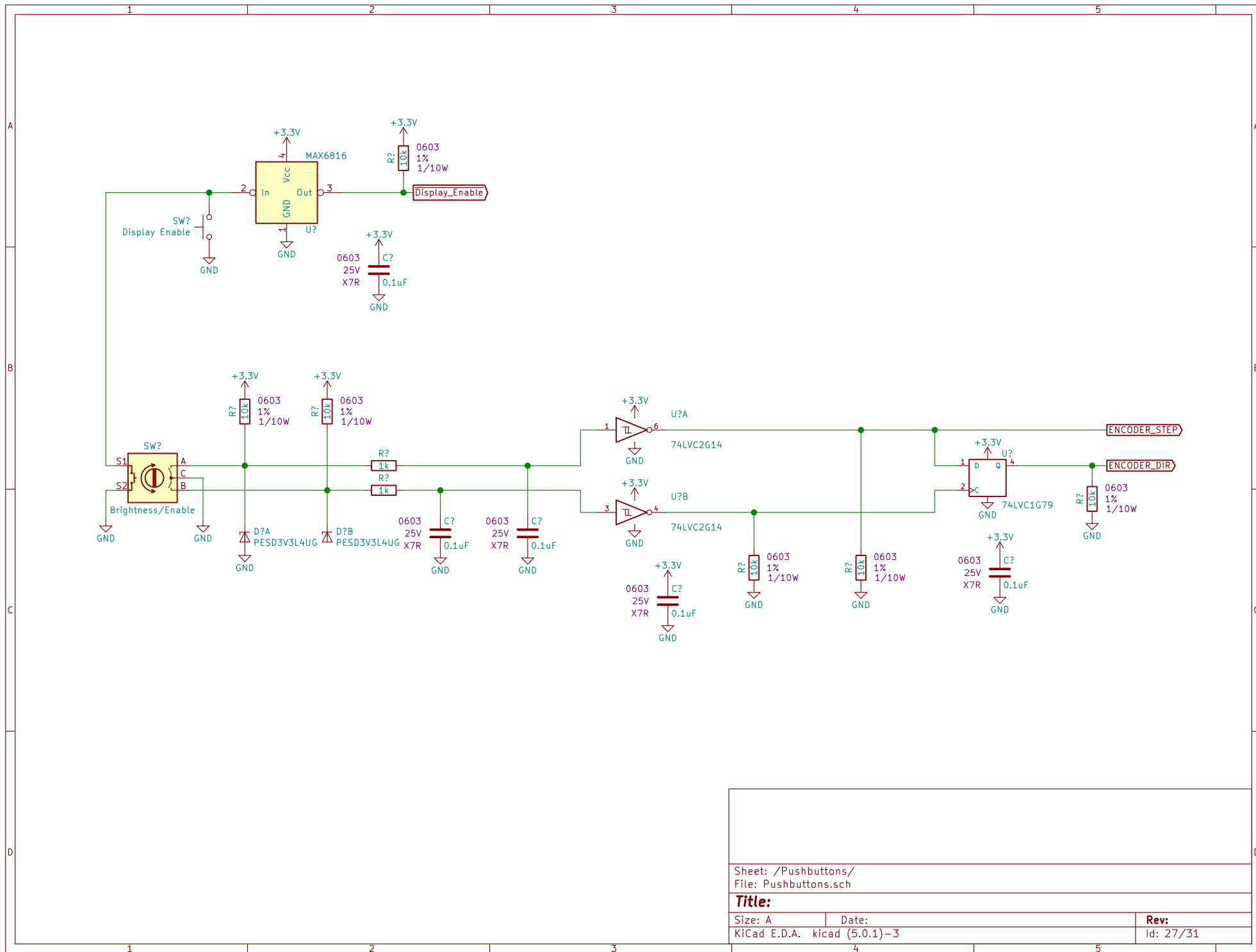


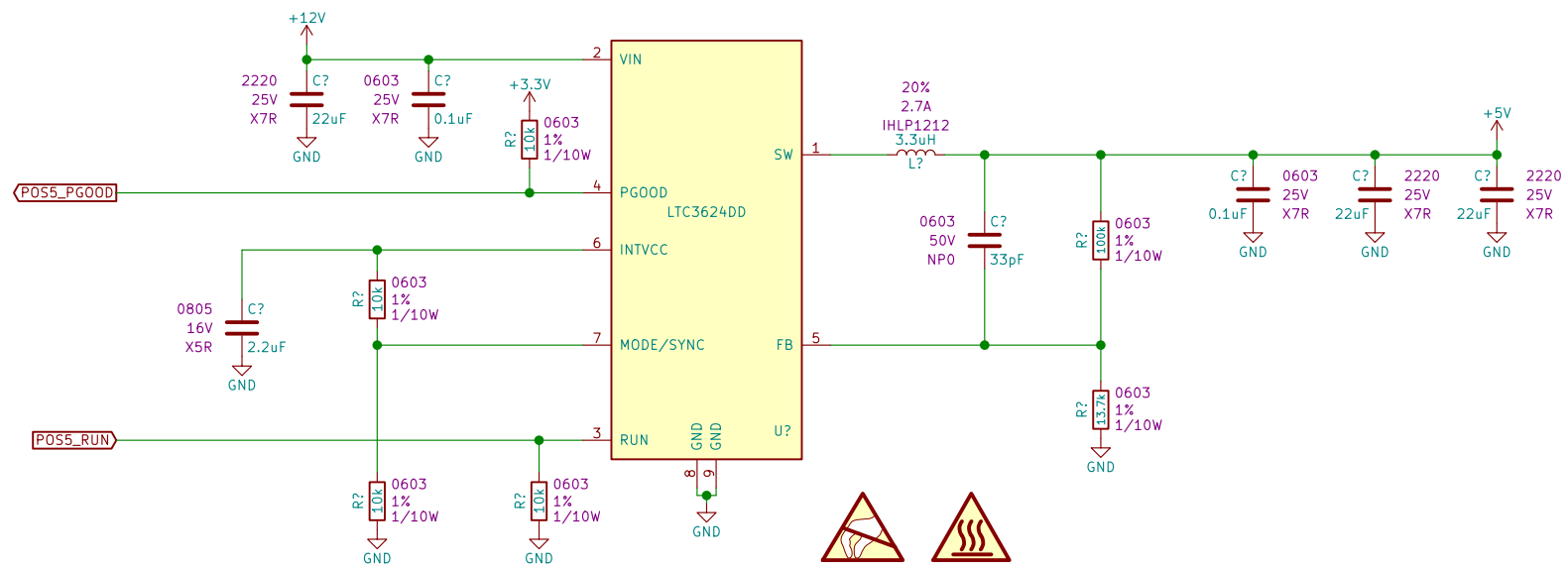
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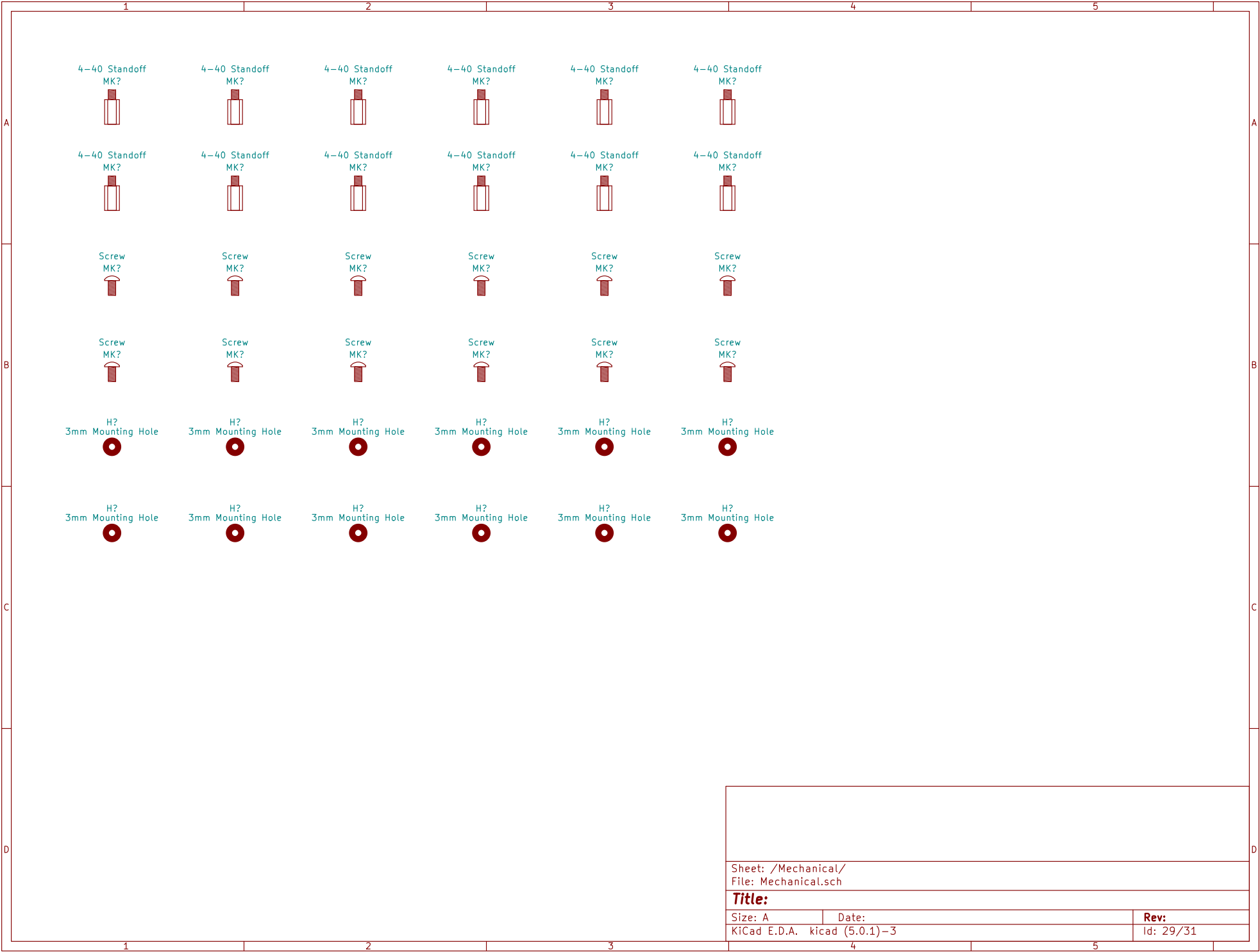


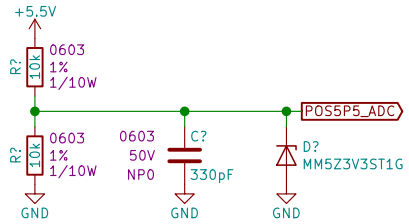
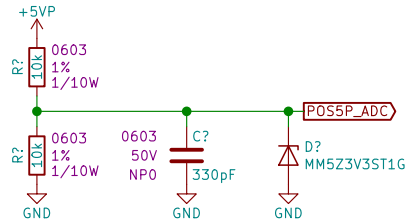
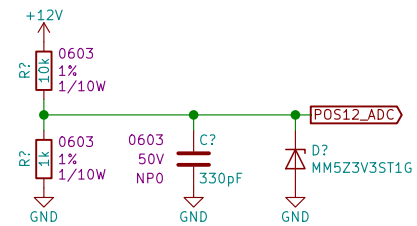
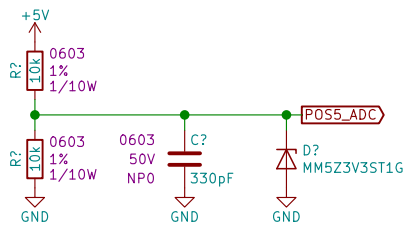
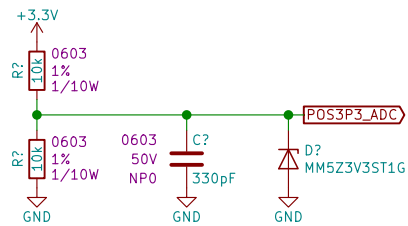






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Sheet: /Internal Rail Monitoring/  
File: Internal\_Rail\_Monitoring.sch

**Title:**

Size: A

Date:

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

**Rev:**

Id: 30/31

