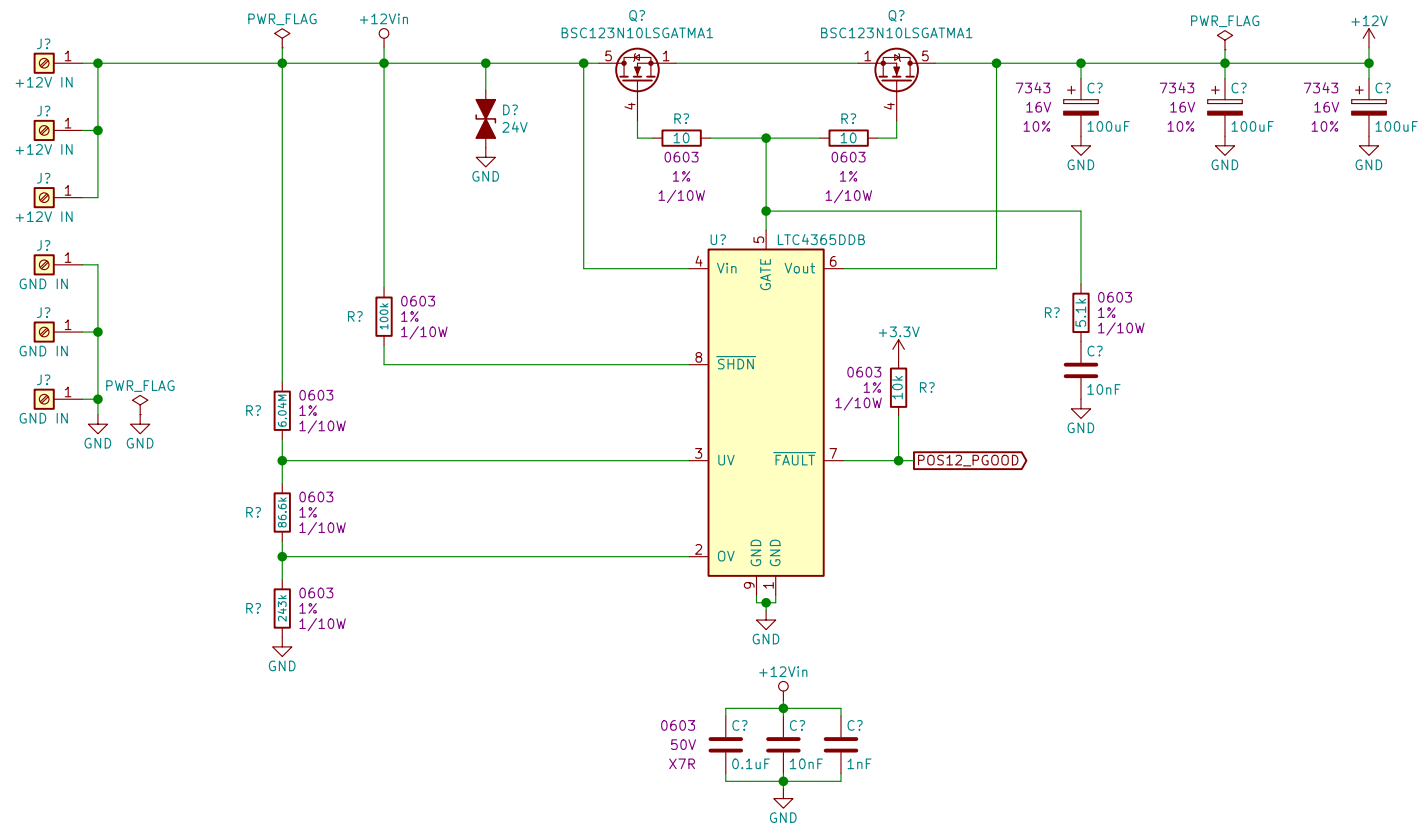


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A		<div>Power Input</div> <div>Power_Input.sch</div> <div>POS3P3 Power Supply</div> <div>POS3P3_Power_Supply.sch</div> <div>Microcontroller Programming</div> <div>Microcontroller_Programming.sch</div> <div>WiFi Module</div> <div>WiFi_Module.sch</div> <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>Panel Power Connectors</div> <div>Panel_Power_Connectors.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_LevelShifters_1.sch</div> <div>Panel Data Level Shifters 2</div> <div>Panel_Data_LevelShifters_2.sch</div> <div>Panel Data Level Shifters 3</div> <div>Panel_Data_LevelShifters_3.sch</div> <div>Test Points</div> <div>Test_Points.sch</div>	<div>POS5 Control</div> <div>POS5_Control.sch</div> <div>POS5 Phase 1</div> <div>POS5_Phase_1.sch</div> <div>POS5 Phase 2</div> <div>POS5_Phase_2.sch</div> <div>POS5 Phase 3</div> <div>POS5_Phase_3.sch</div> <div>POS5 Phase 4</div> <div>POS5_Phase_4.sch</div> <div>POS5P5 MNG</div> <div>POS5P5_MNG.sch</div>		
B							
C							
D				<div></div> <div>Sheet: / File: LED_Display_Controller.sch</div> <div>Title:</div> <div>Size: ADate:KiCad E.D.A. kicad (5.0.0)</div> <div>Rev:Id: 1/32</div>			
	1	2	3	4	5		

- To Do List:
- \* 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 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
  - \* Re-order sheets
  - \* Wire everything to Micro
  - \* Assign Refdes's
  - \* Draw custom footprints
  - \* Assign footprints
  - \* Run ERC, resolve errors
  - \* Add firmware notes sheet
  - \* Add COM port settings note to USB sheet
  - \* Generate netlist
  - \* Generate BOM

## Power Input



Sheet: /Power Input/  
File: Power\_Input.sch

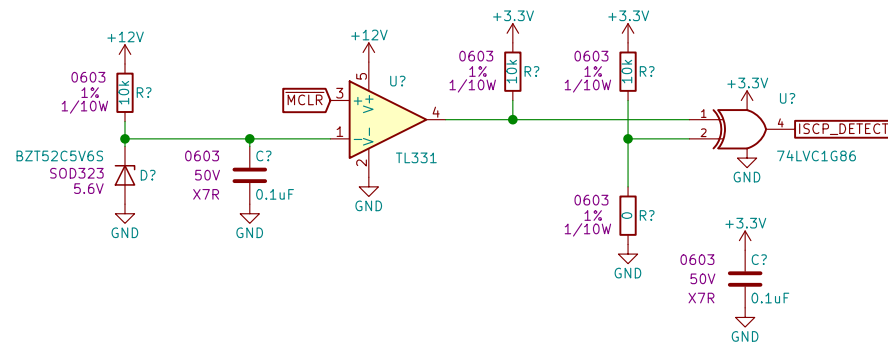
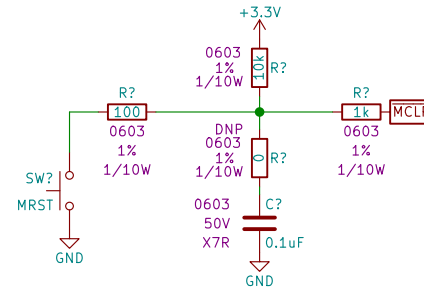
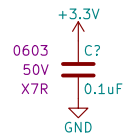
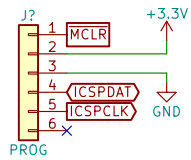
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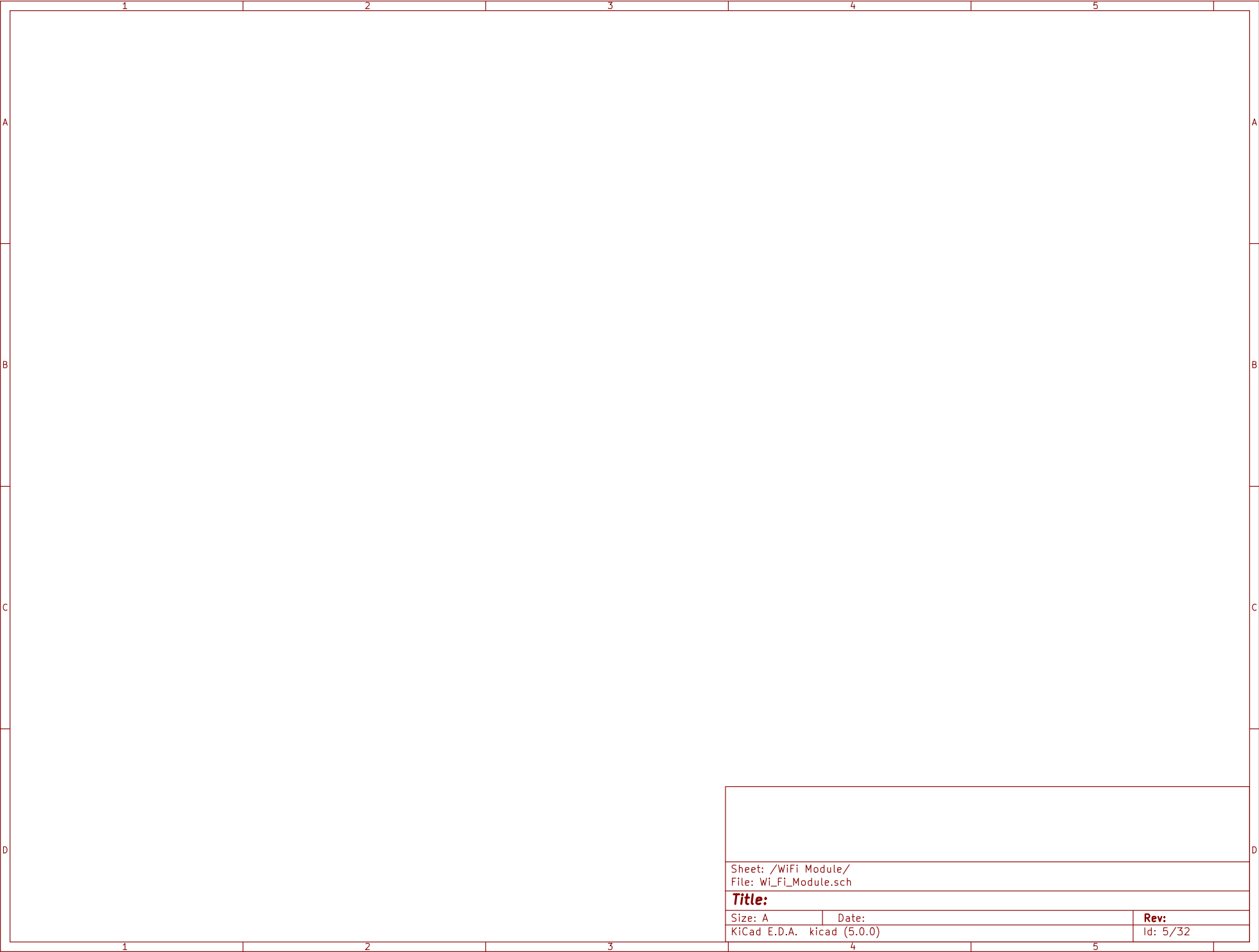
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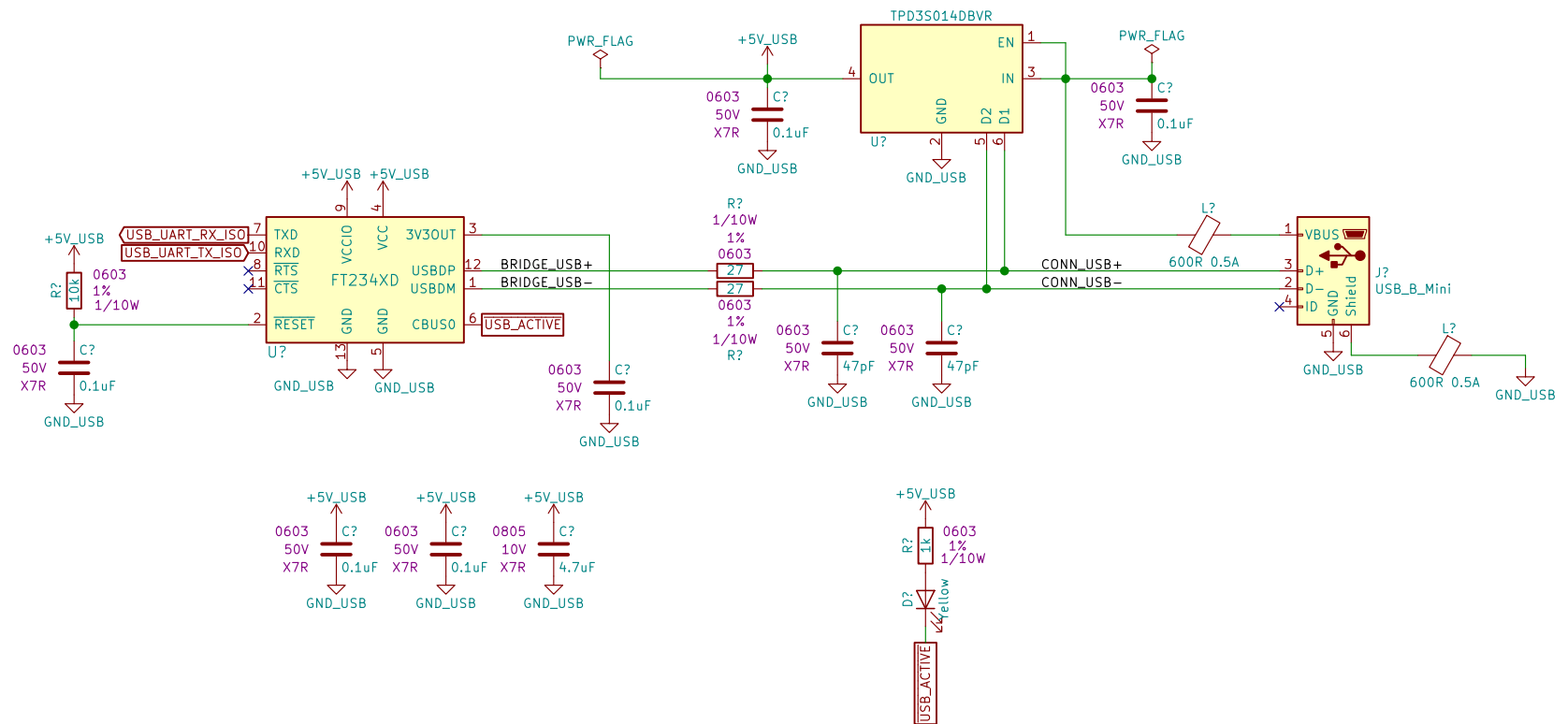
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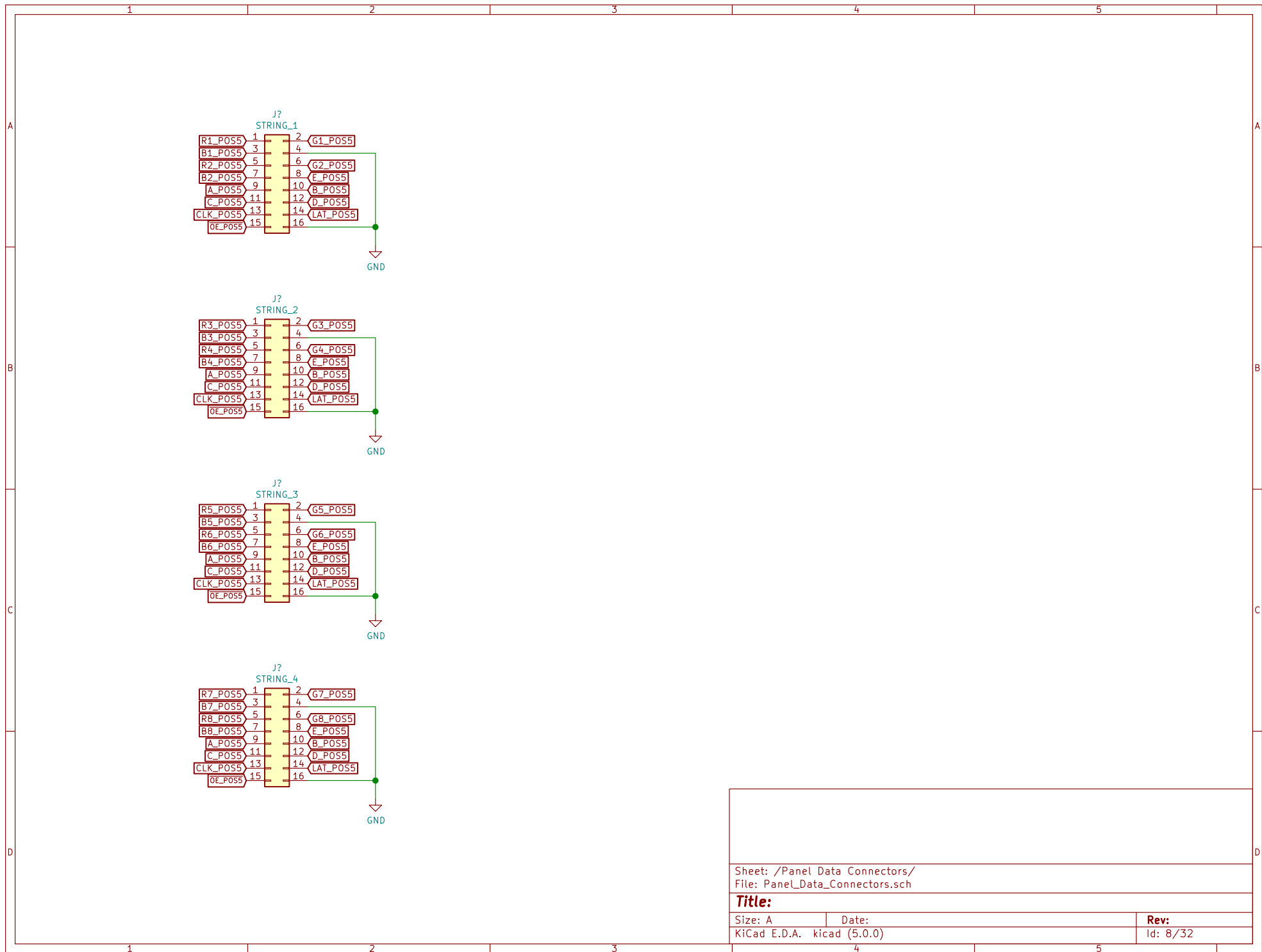


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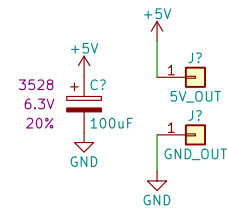
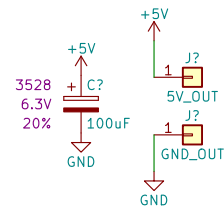
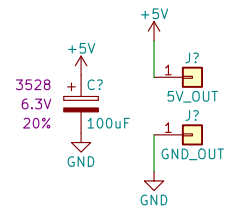
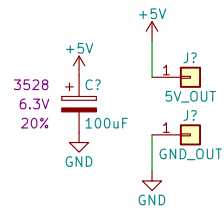
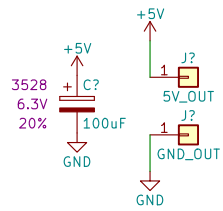
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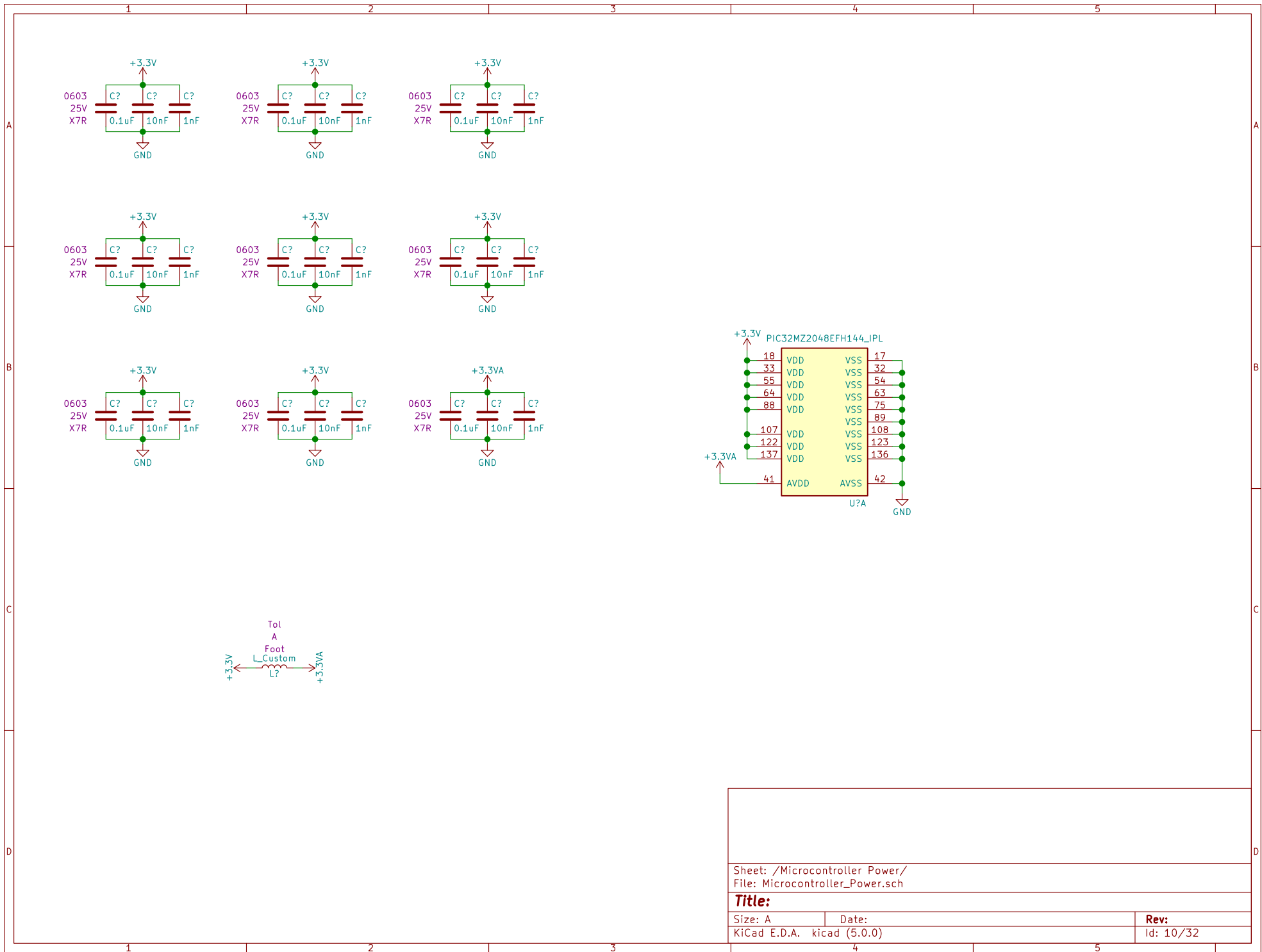


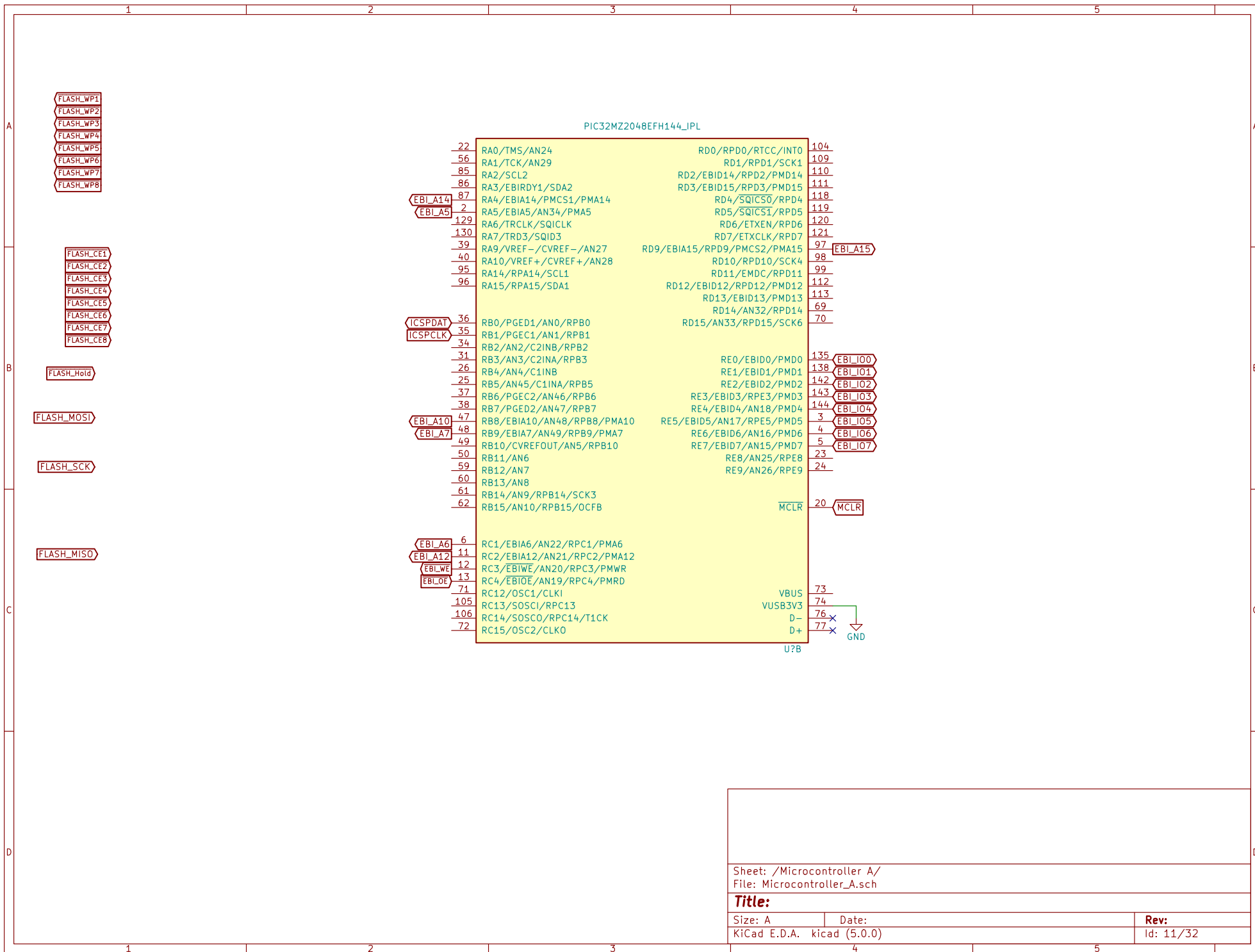
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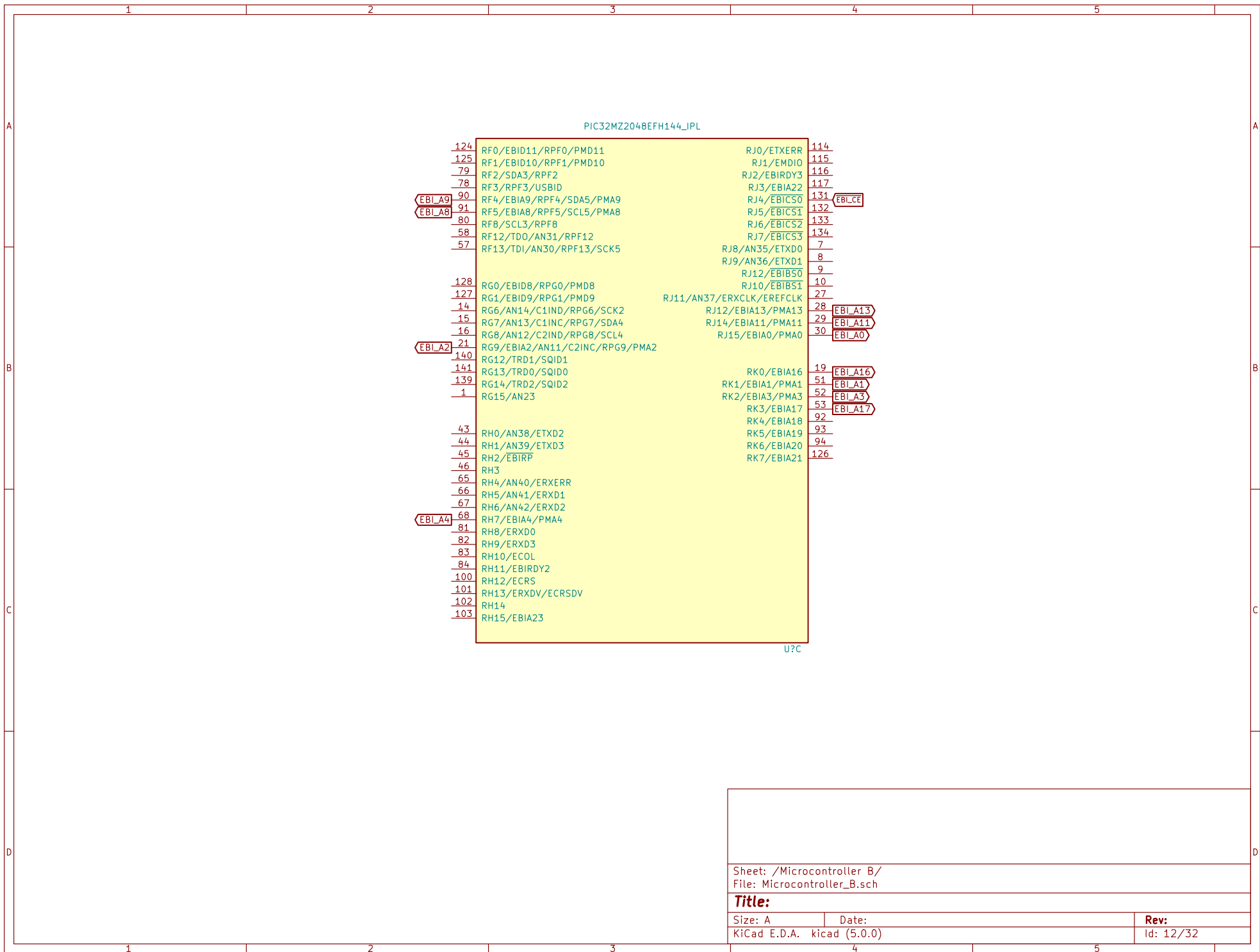
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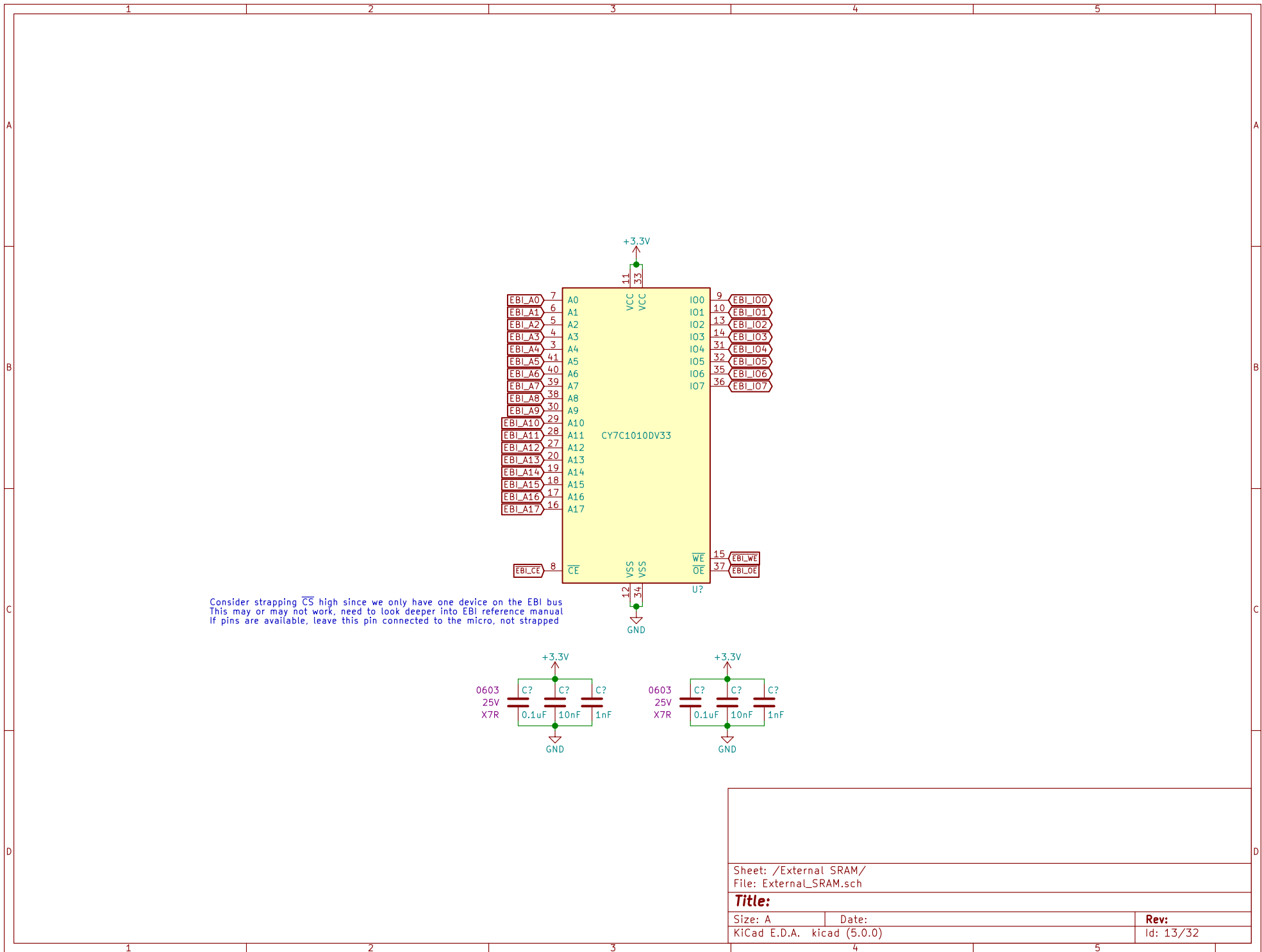


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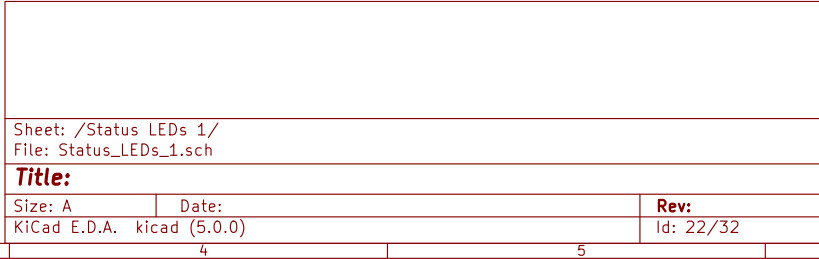


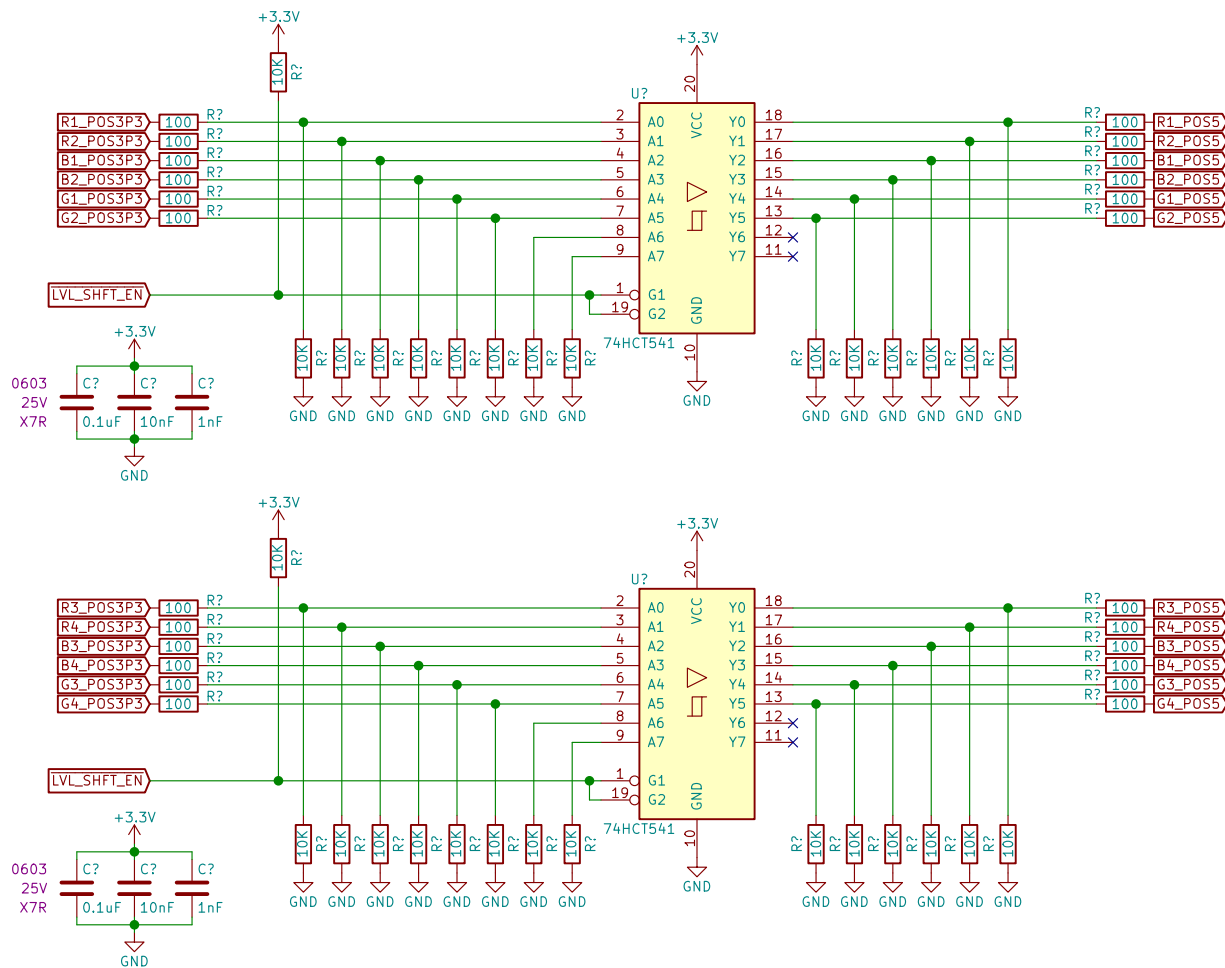










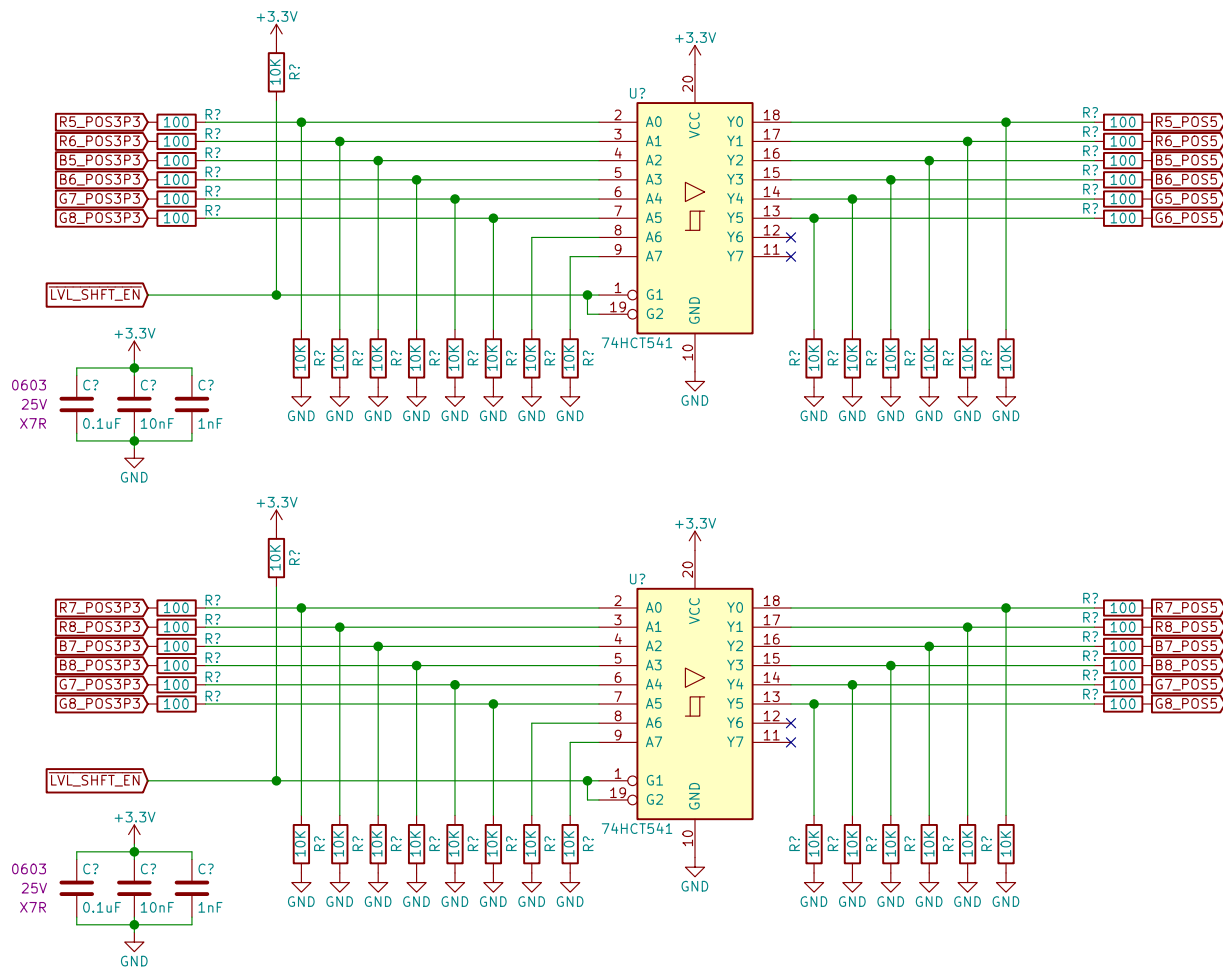


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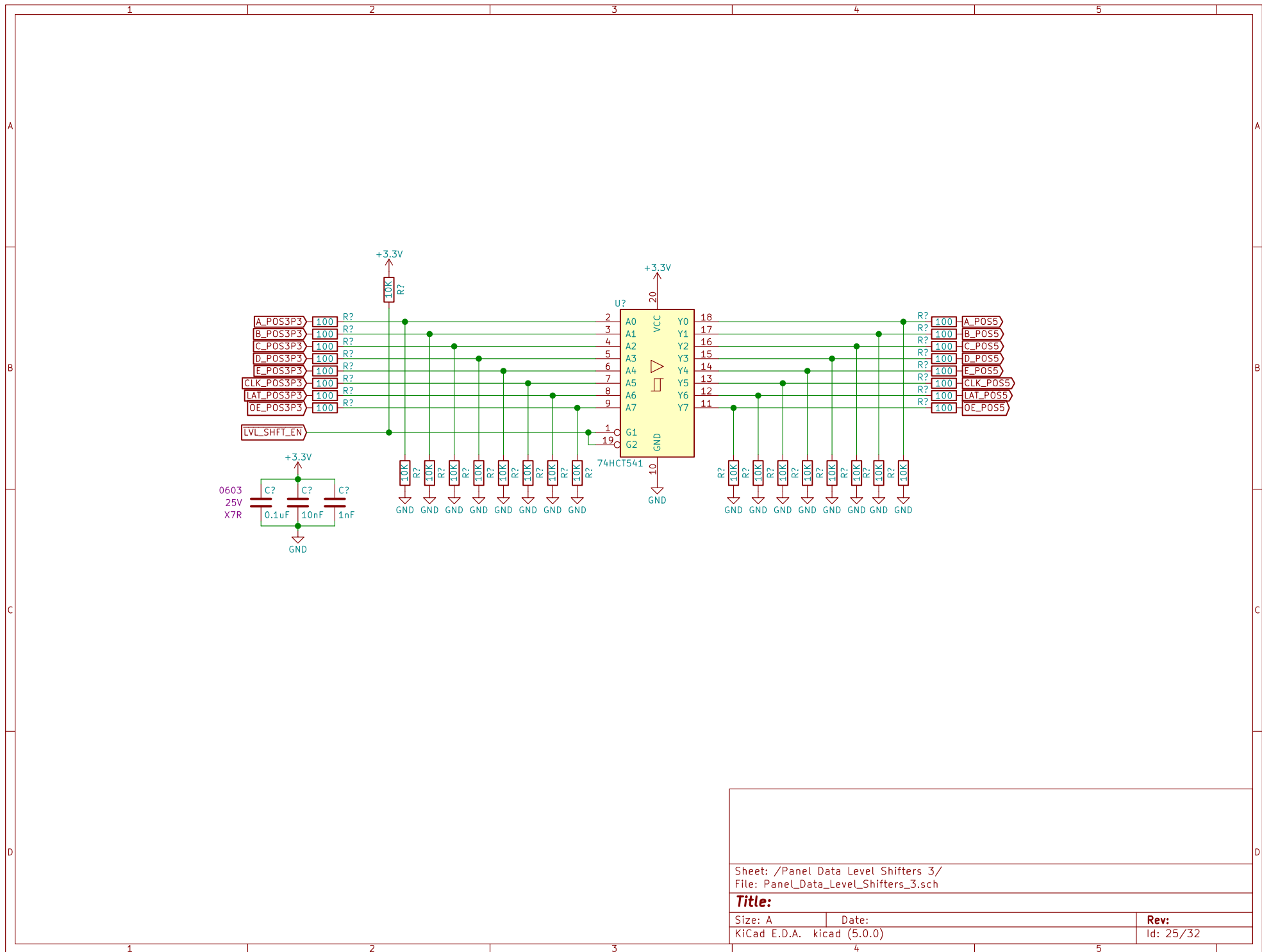
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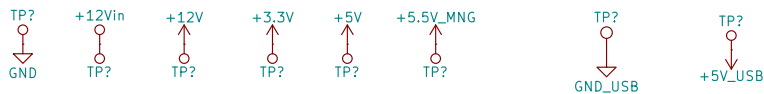
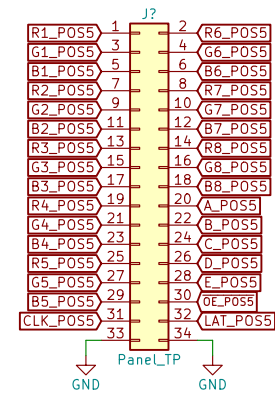
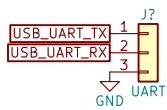
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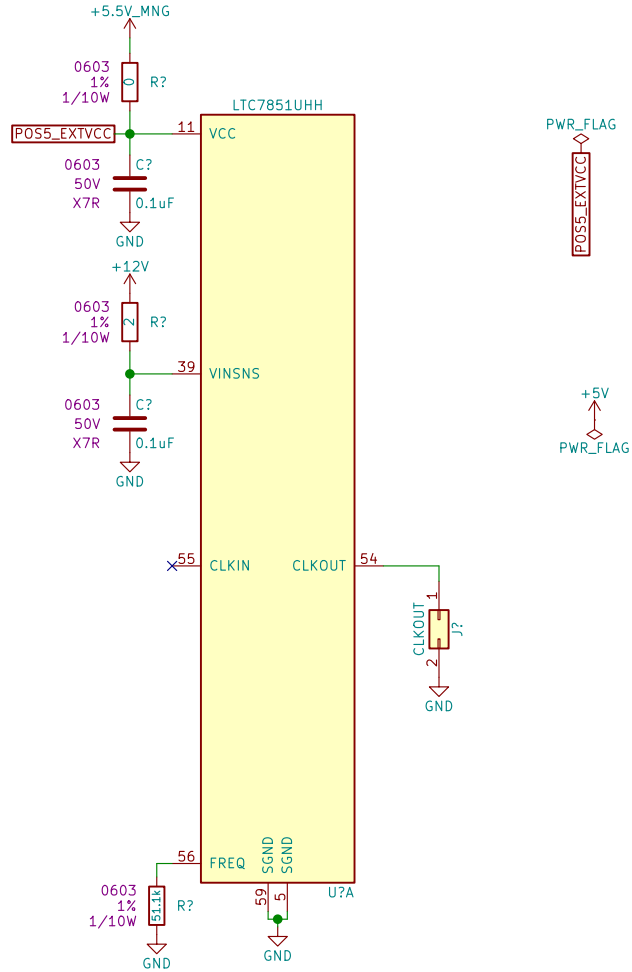
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Id: 26/32

## +5V Control



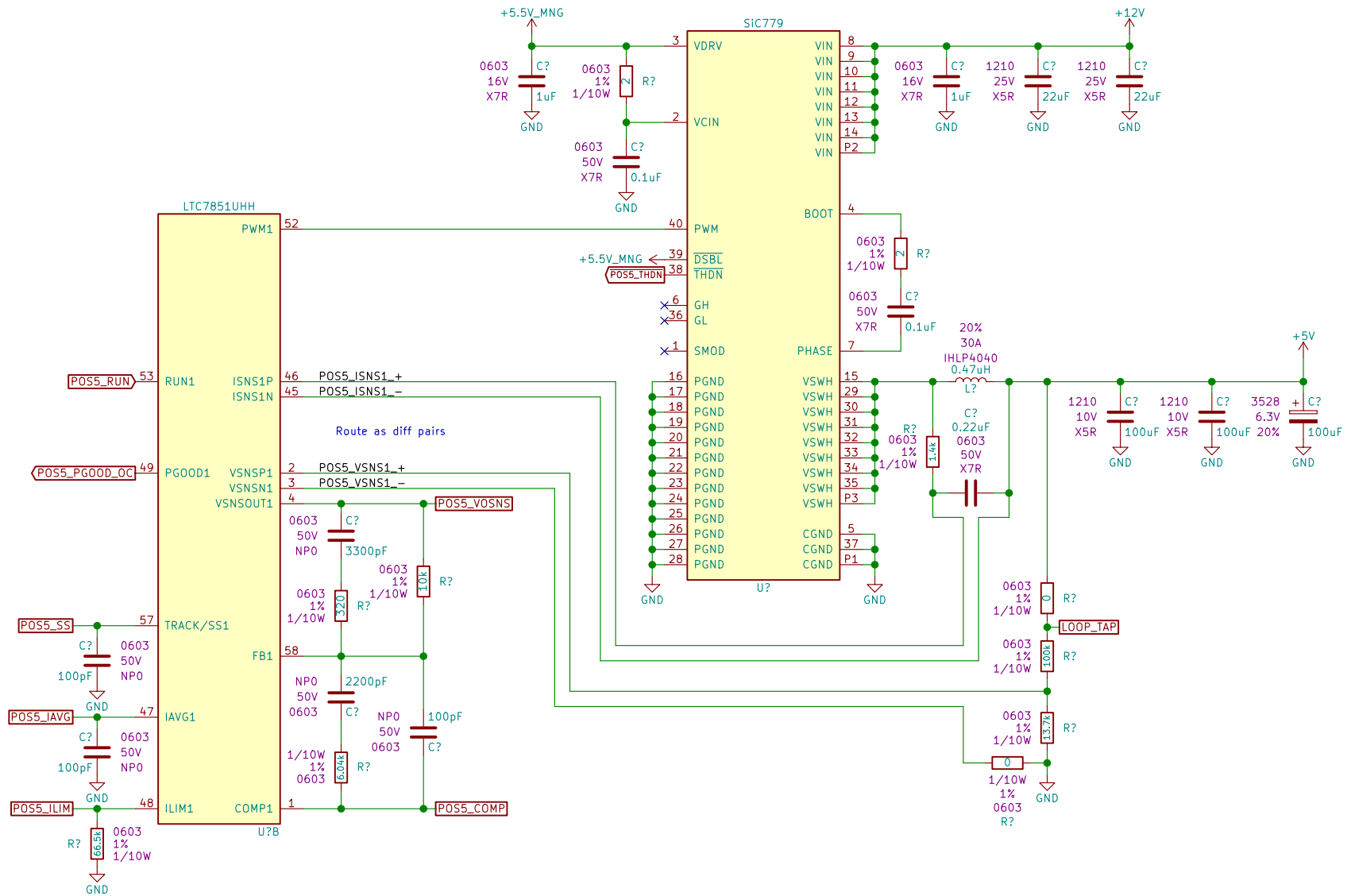
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Id: 27/32

## +5V Phase 1



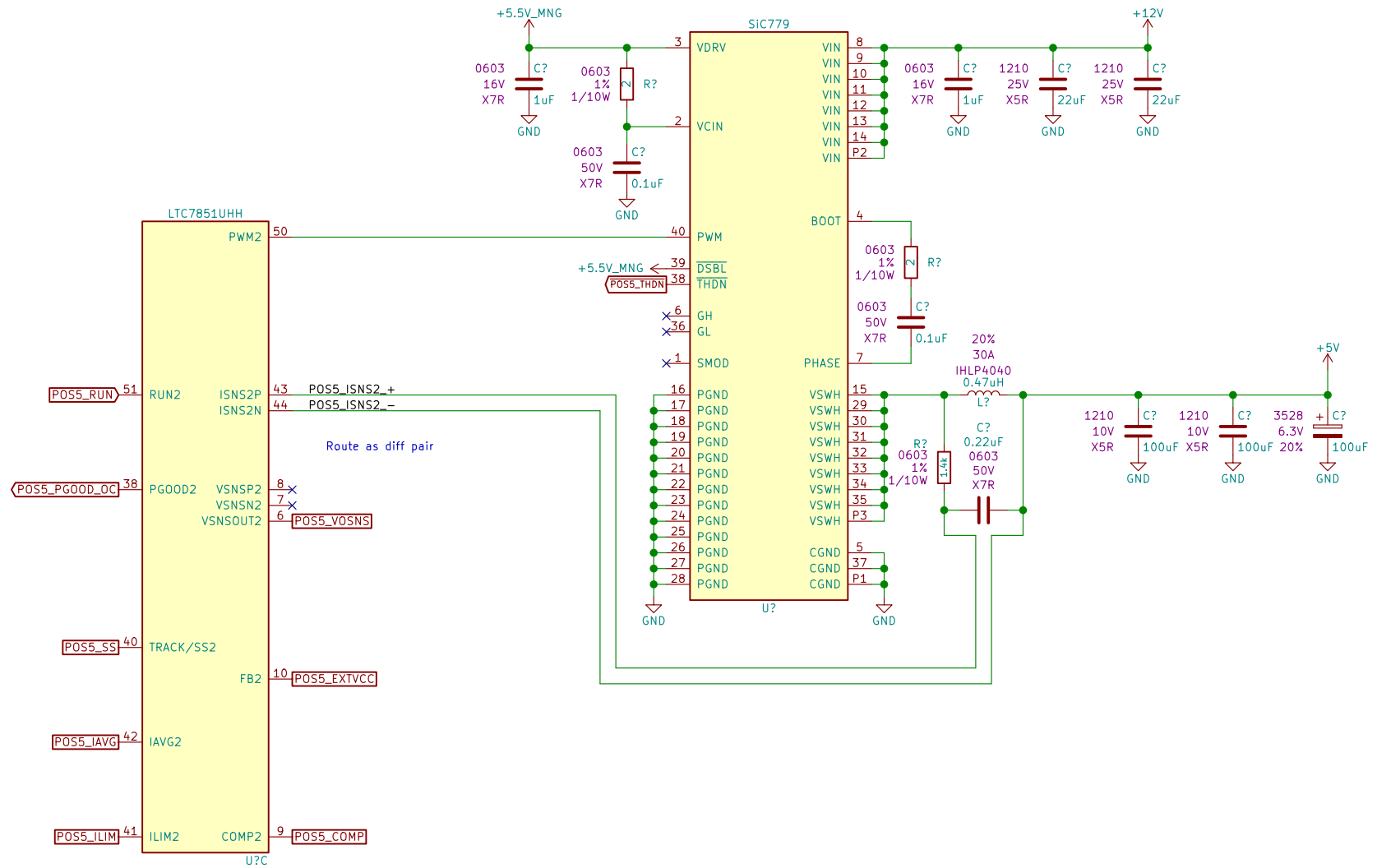
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Id: 28/32

## +5V Phase 2



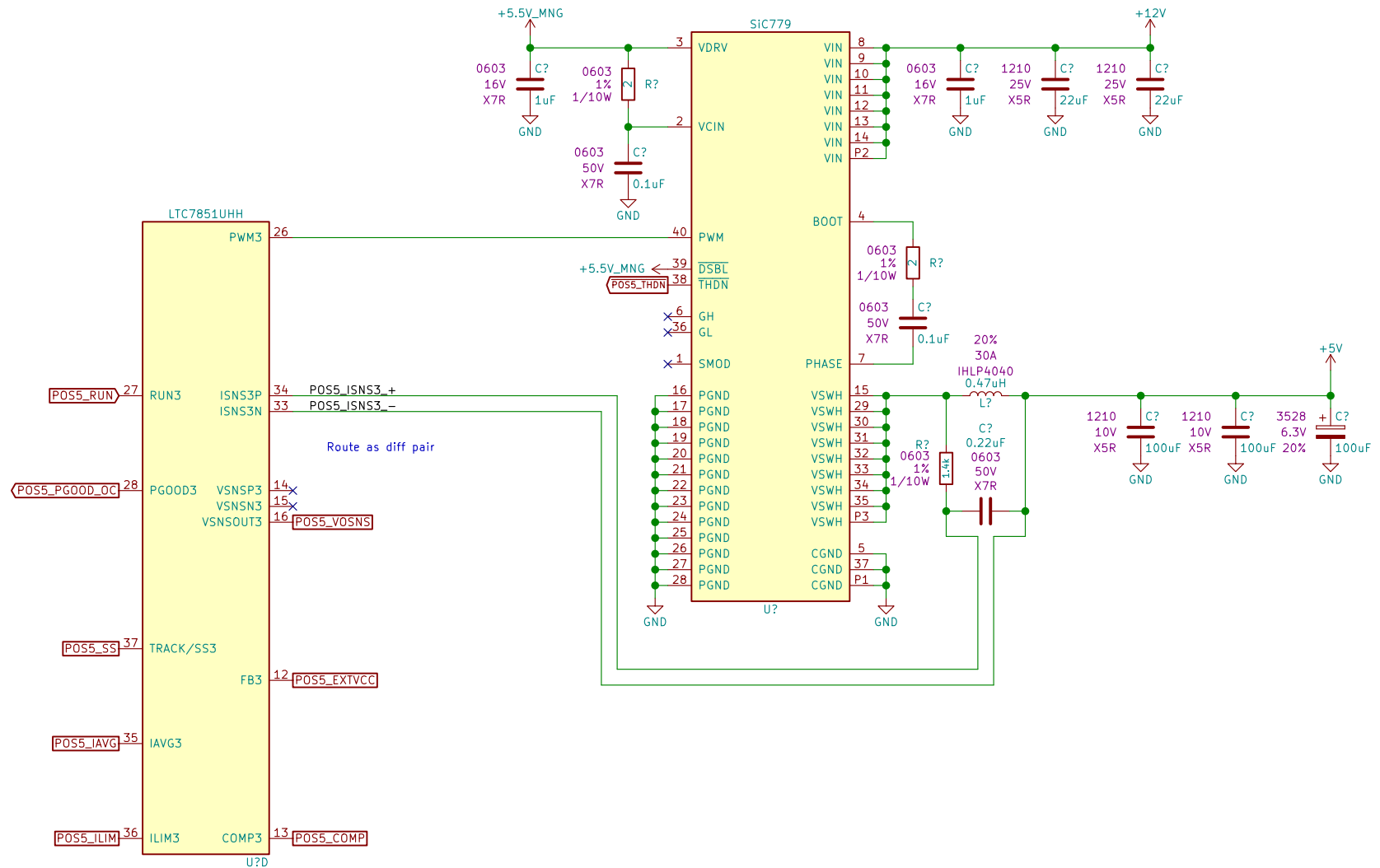
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Id: 29/32

### +5V Phase 3



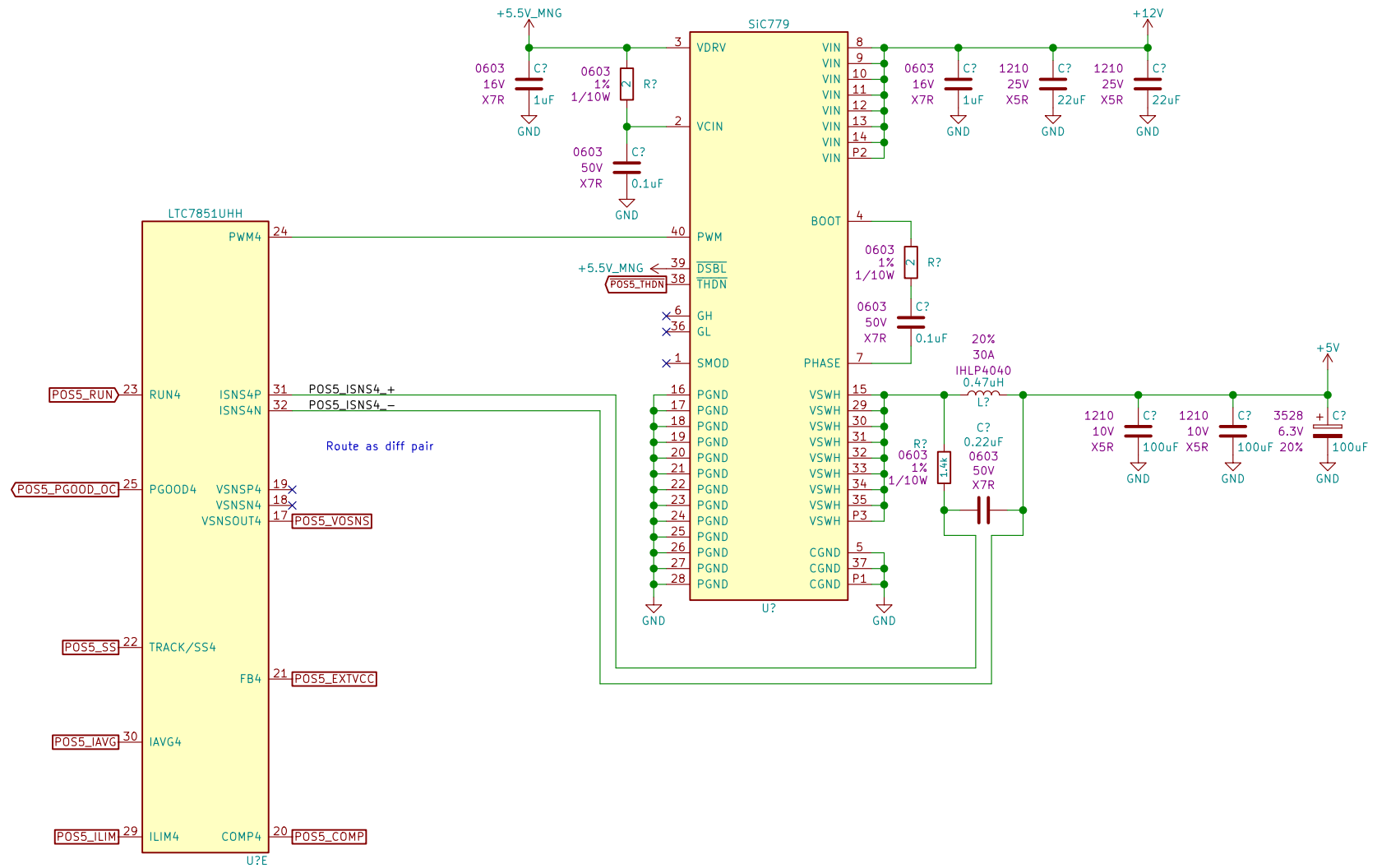
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Id: 30/32

### +5V Phase 4



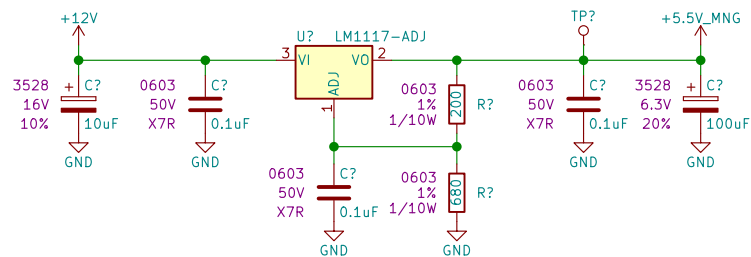
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# +5.5V MNG LDO



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