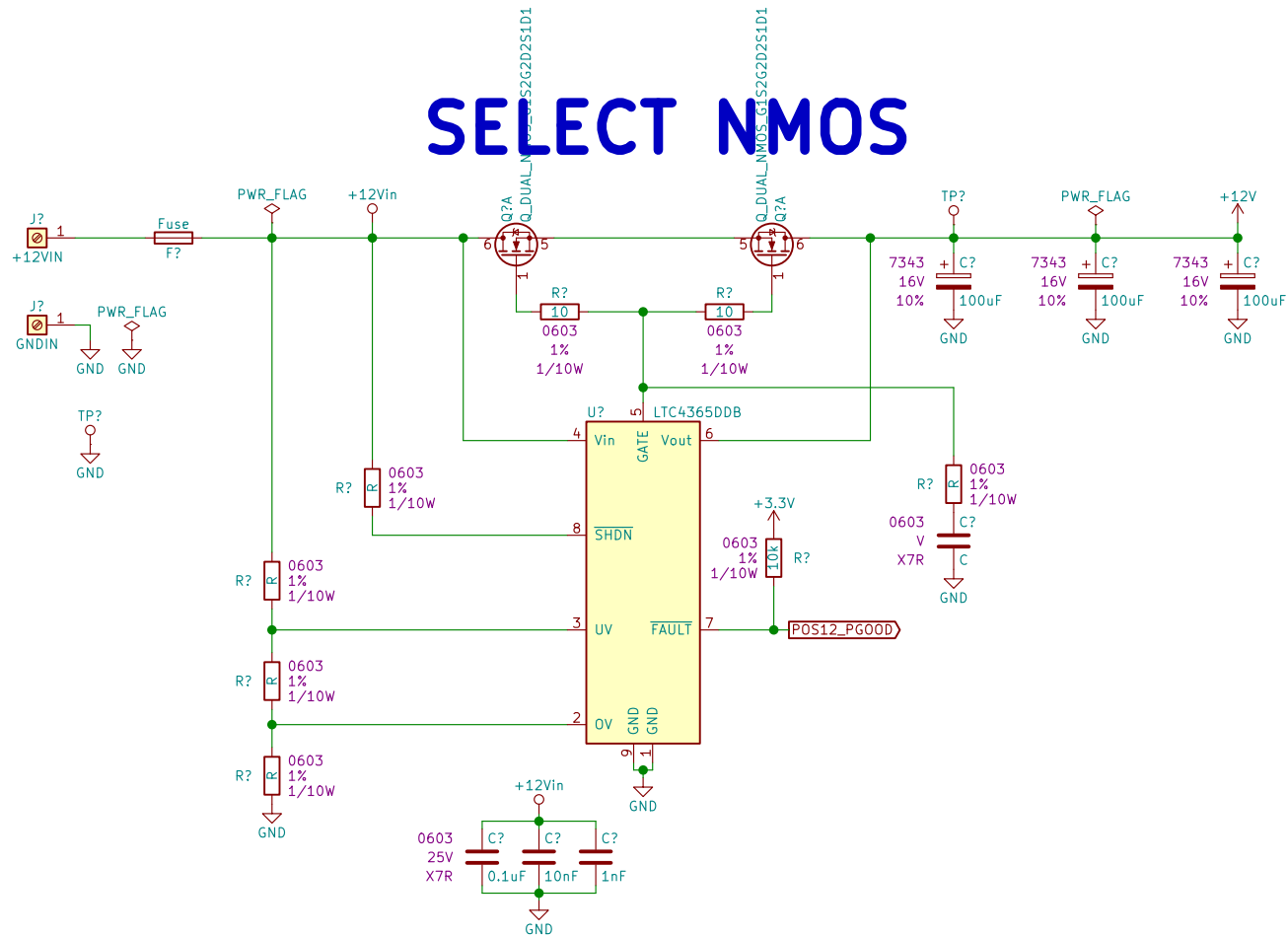


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A		<div>Power Input</div> <div>Power_Input.sch</div> <div>POS3P3_Power Supply</div> <div>POS3P3_Power_Supply.sch</div>		<div>External SRAM</div> <div>External_SRAM.sch</div> <div>External Flash 1</div> <div>External_Flash_1.sch</div> <div>External 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>	A	
B		<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>			B	
C		<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>			C	
D		<div>To Do List:</div> <div>* Add +5V LED Power Supply (~80 to 90A)</div> <div>* External oscillator for Micro?</div> <div>* Mechanical sheet</div> <div>* Design Power Input Circuit, add fusing</div> <div>* Decide on input power supply (AC/DC)</div> <div>* Add more power input connectors, match to AC/DC output connectors. Might need beefy Weurth shanks</div> <div>* Add status LEDs, PGOOD stuff</div> <div>* +3.3V Power Supply (~2A)</div> <div>* +5V Monitoring/+3.3V Monitoring/Input Monitoring? Temperature sensors?</div> <div>* Add AUX +5V input if we mess up +5V supply</div> <div>* Wi-Fi Module</div> <div>* Evaluate Micro AVDD/AVSS filter</div> <div>* Select panel connector bulk caps, match with other tantalums on board for BOM scrubbing?</div> <div>* Power pushbutton? vs set on app?</div> <div>* Brightness encoder? vs set on app?</div> <div>* Add graphical items to certain sheets (ESD warning, heat, etc)</div> <div>* Add MU Logo to each sheet</div> <div>* Add Titles to each sheet</div> <div>* Add relevant design notes/routing notes to sheets</div> <div>* Add test points sheet</div> <div>* Re-order sheets</div> <div>* Wire everything to Micro</div> <div>* Assign Refdes's</div> <div>* Draw custom footprints</div> <div>* Assign footprints</div> <div>* Run ERC, resolve errors</div> <div>* Add firmware notes sheet</div> <div>* Add COM port settings note to USB sheet</div> <div>* Generate netlist</div> <div>* Generate BOM</div>			<div></div> <div>Sheet: /</div> <div>File: LED_Display_Controller.sch</div> <div>Title:</div> <div>Size: A</div> <div>Date:</div> <div>KiCad E.D.A. kicad (5.0.0)</div> <div>Rev:</div> <div>Id: 1/25</div>	D
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SELECT NMOS



Sheet: /Power Input/
File: Power_Input.sch

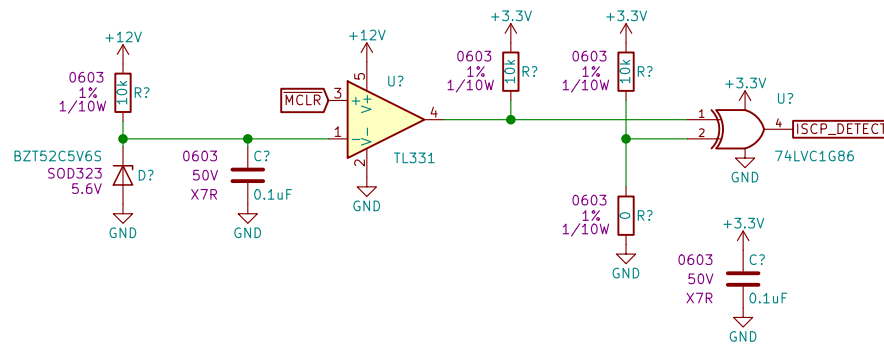
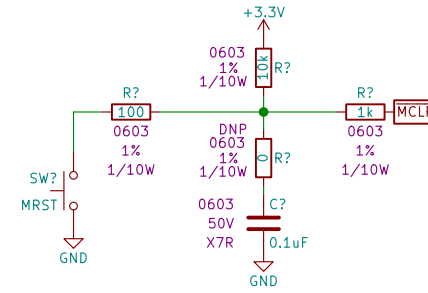
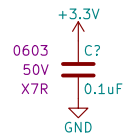
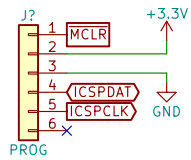
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Sheet: /Microcontroller Programming/
File: Microcontroller_Programming.sch

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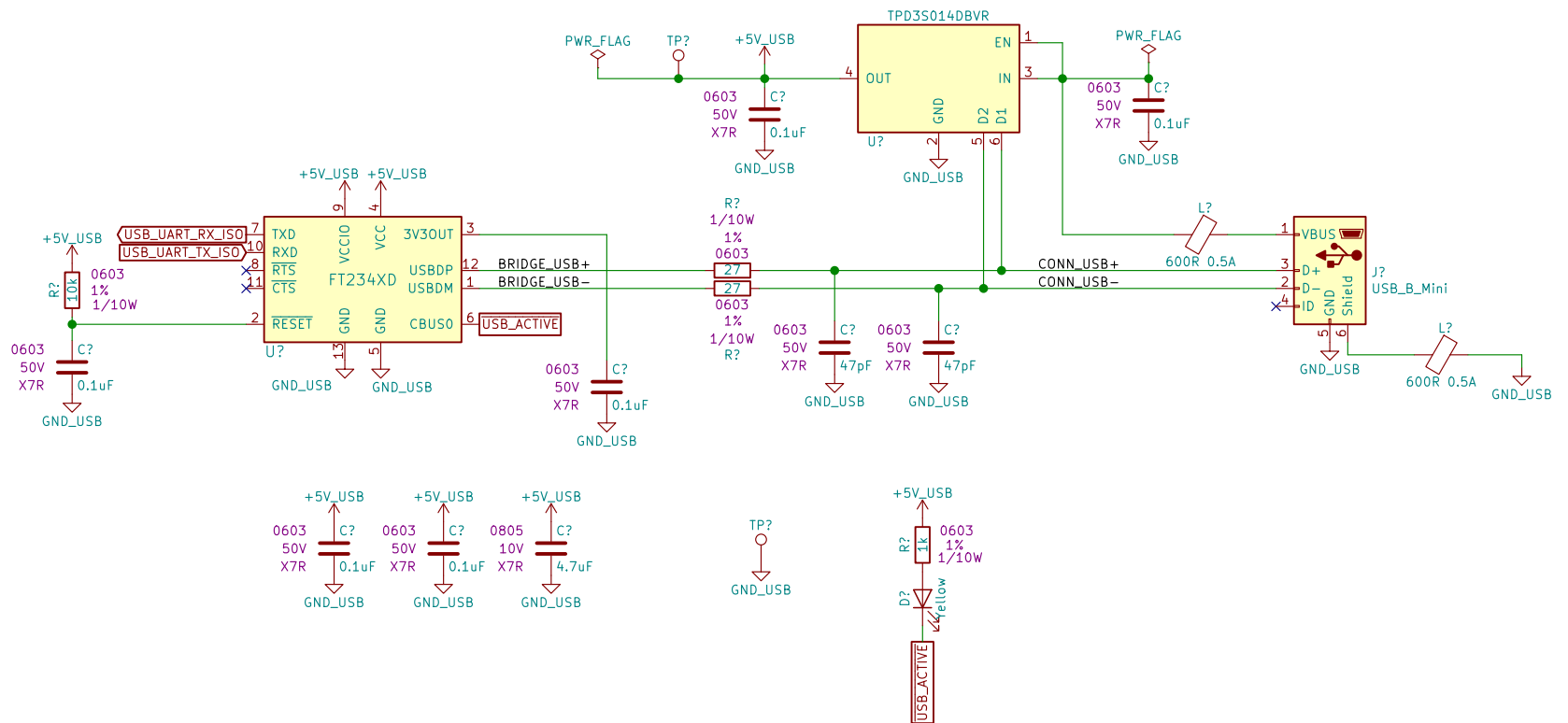
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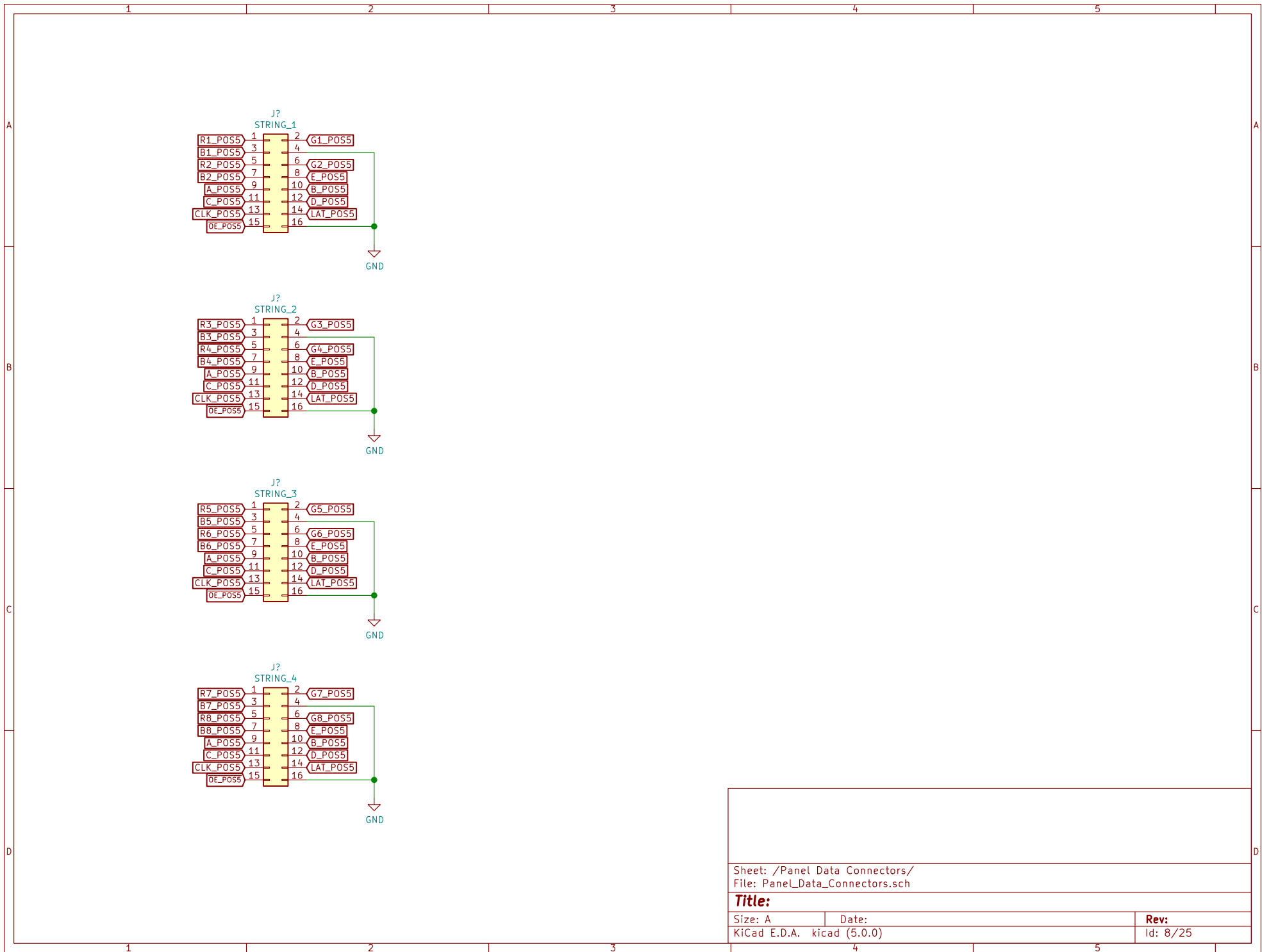


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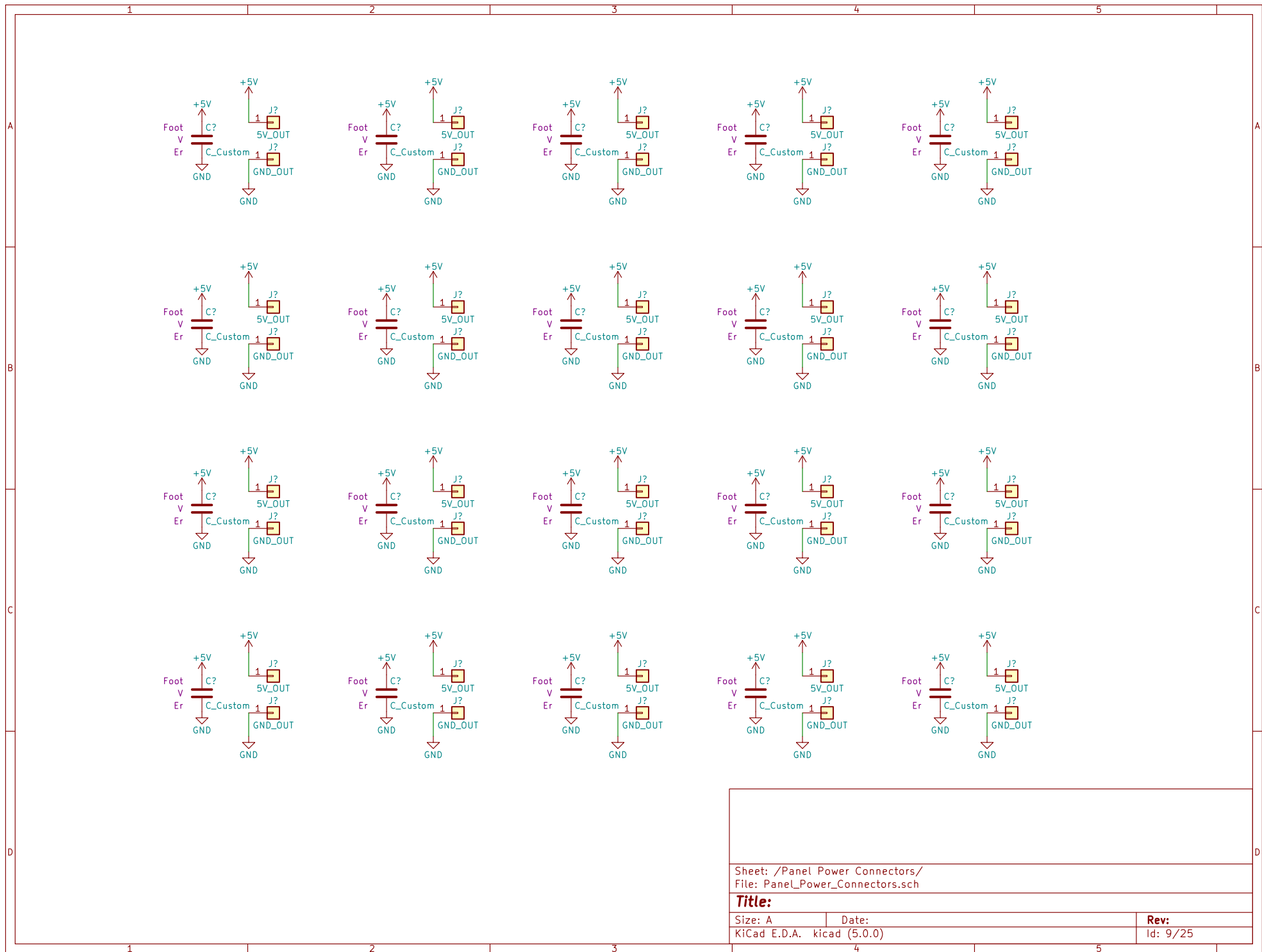
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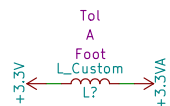
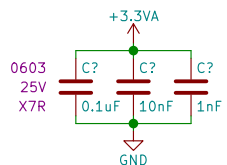
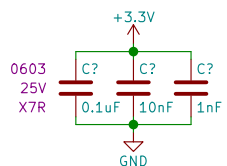
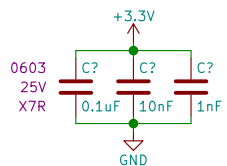
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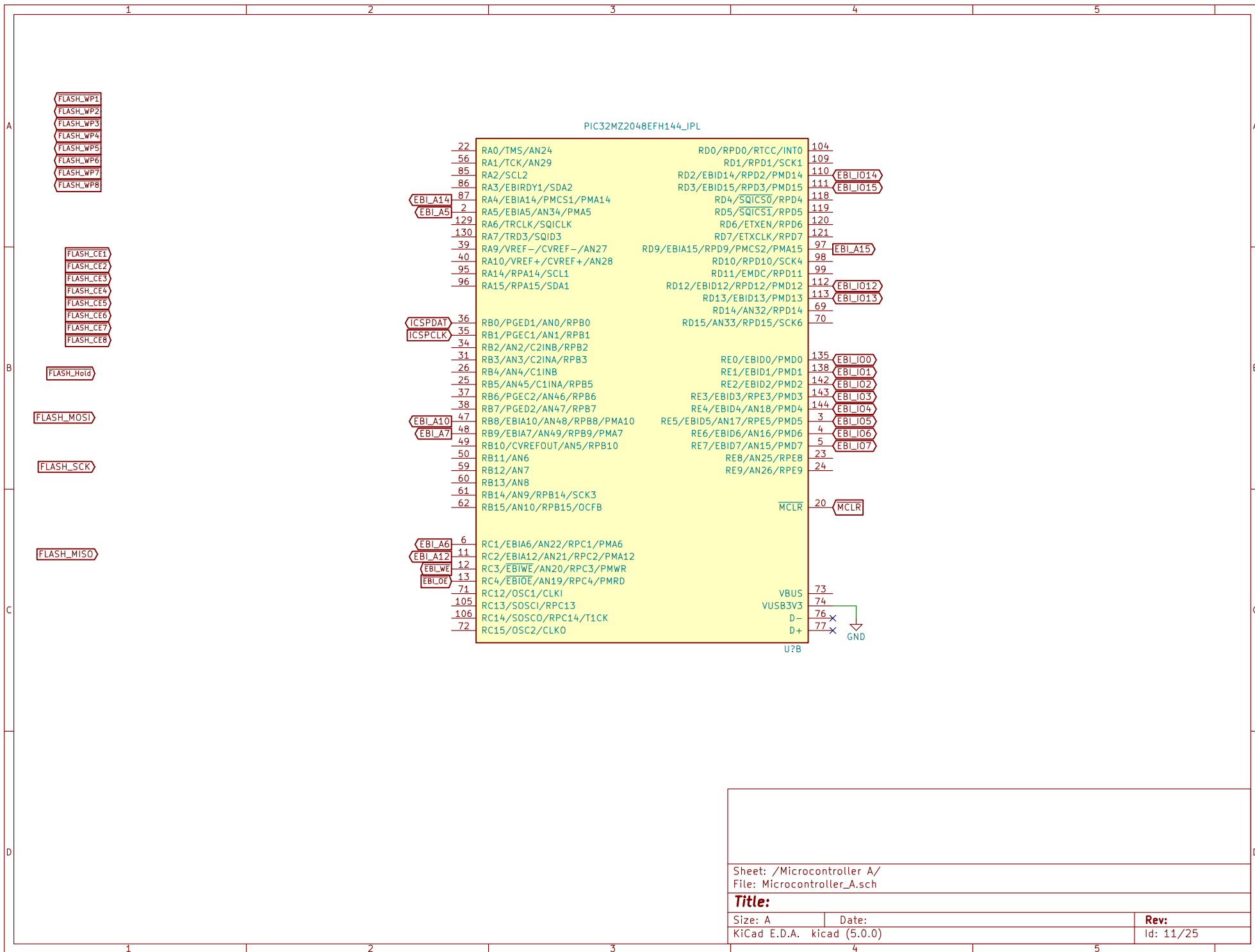
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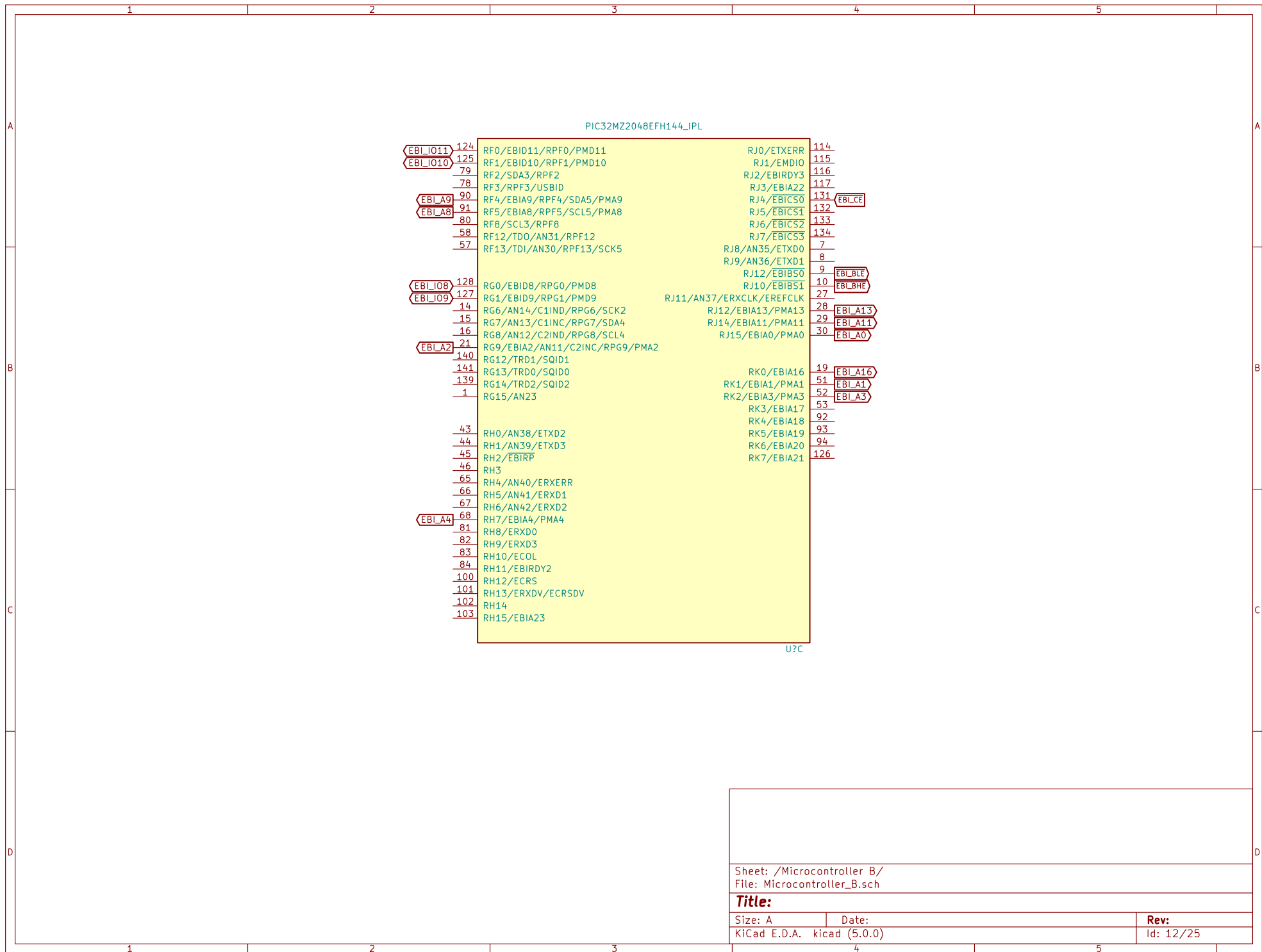


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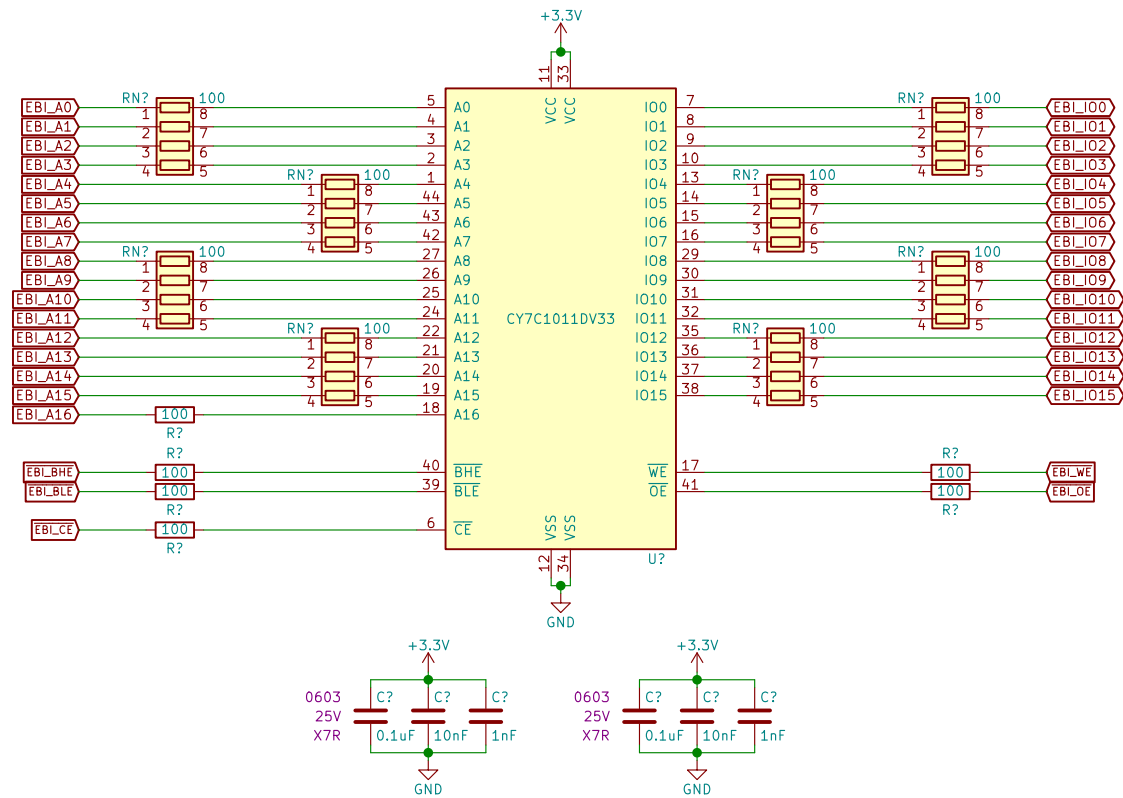


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Sheet: /External SRAM/
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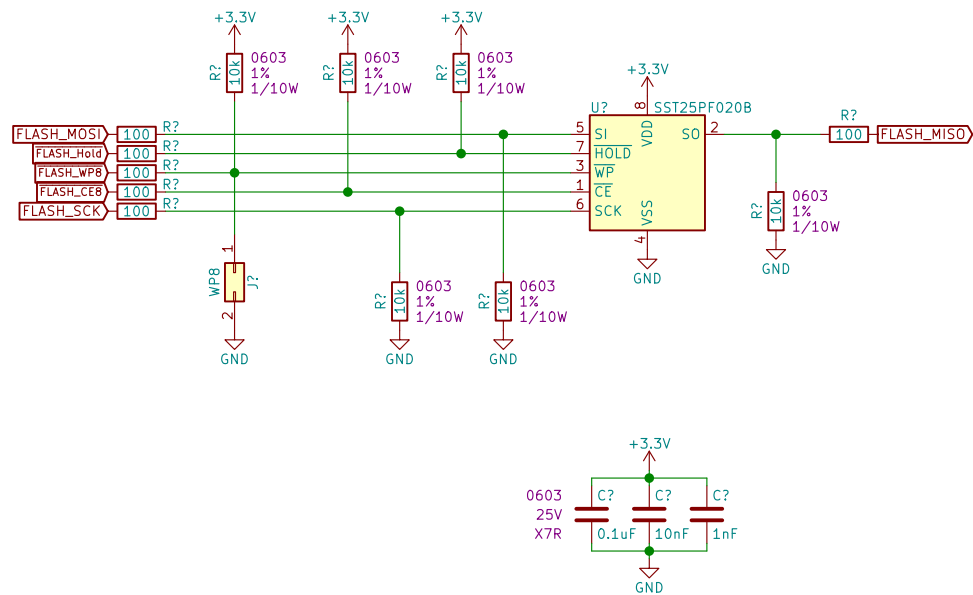










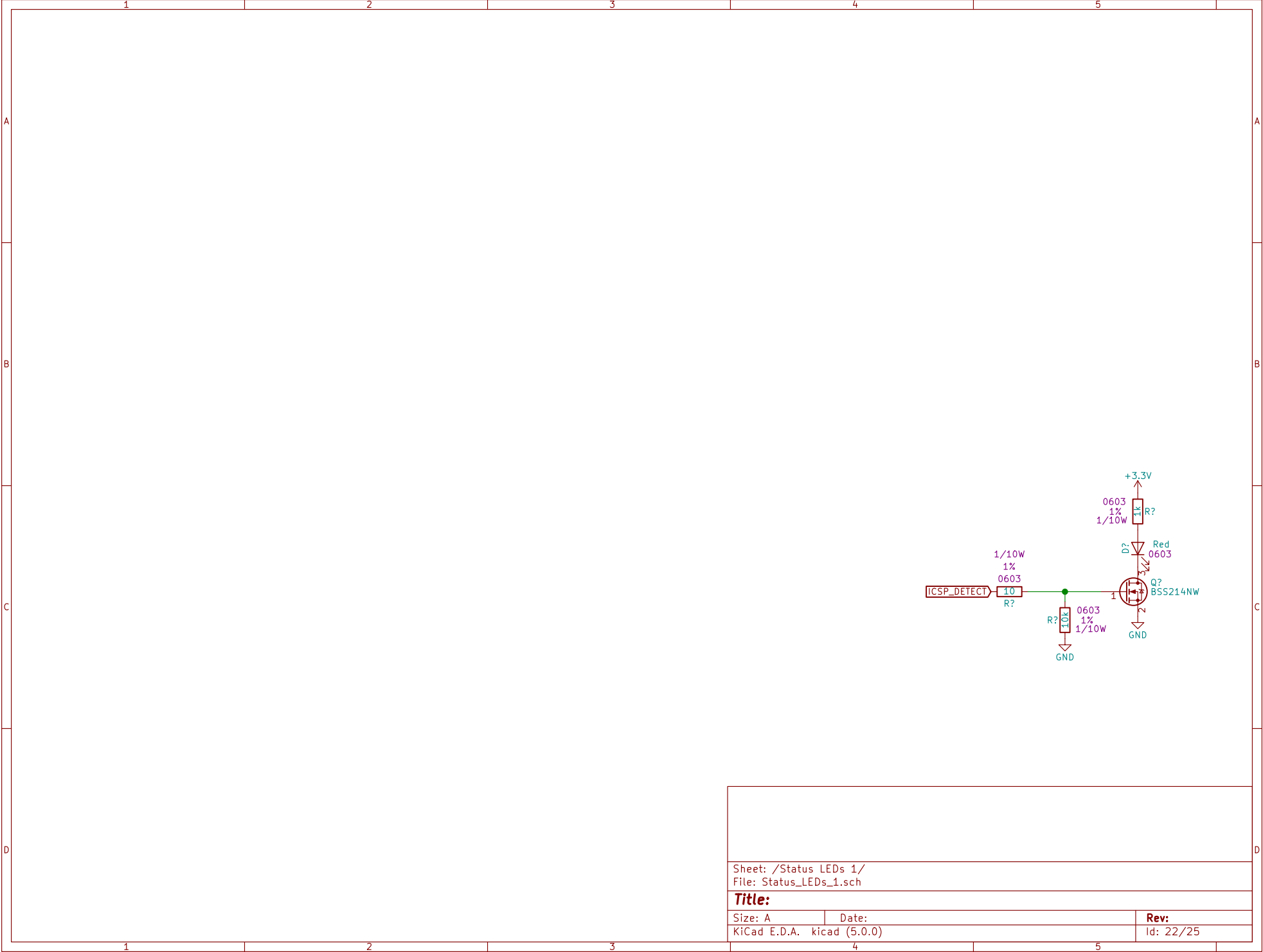


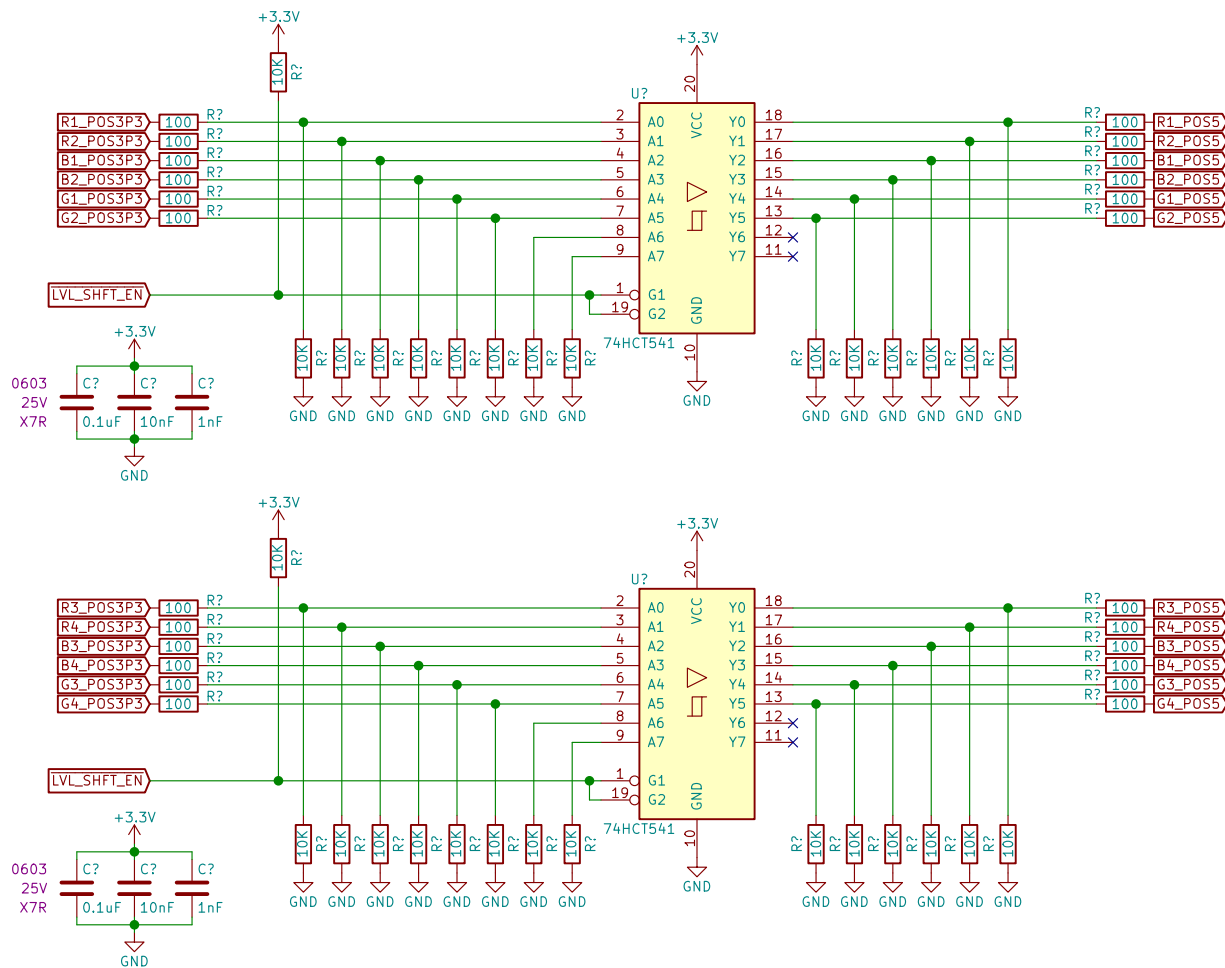
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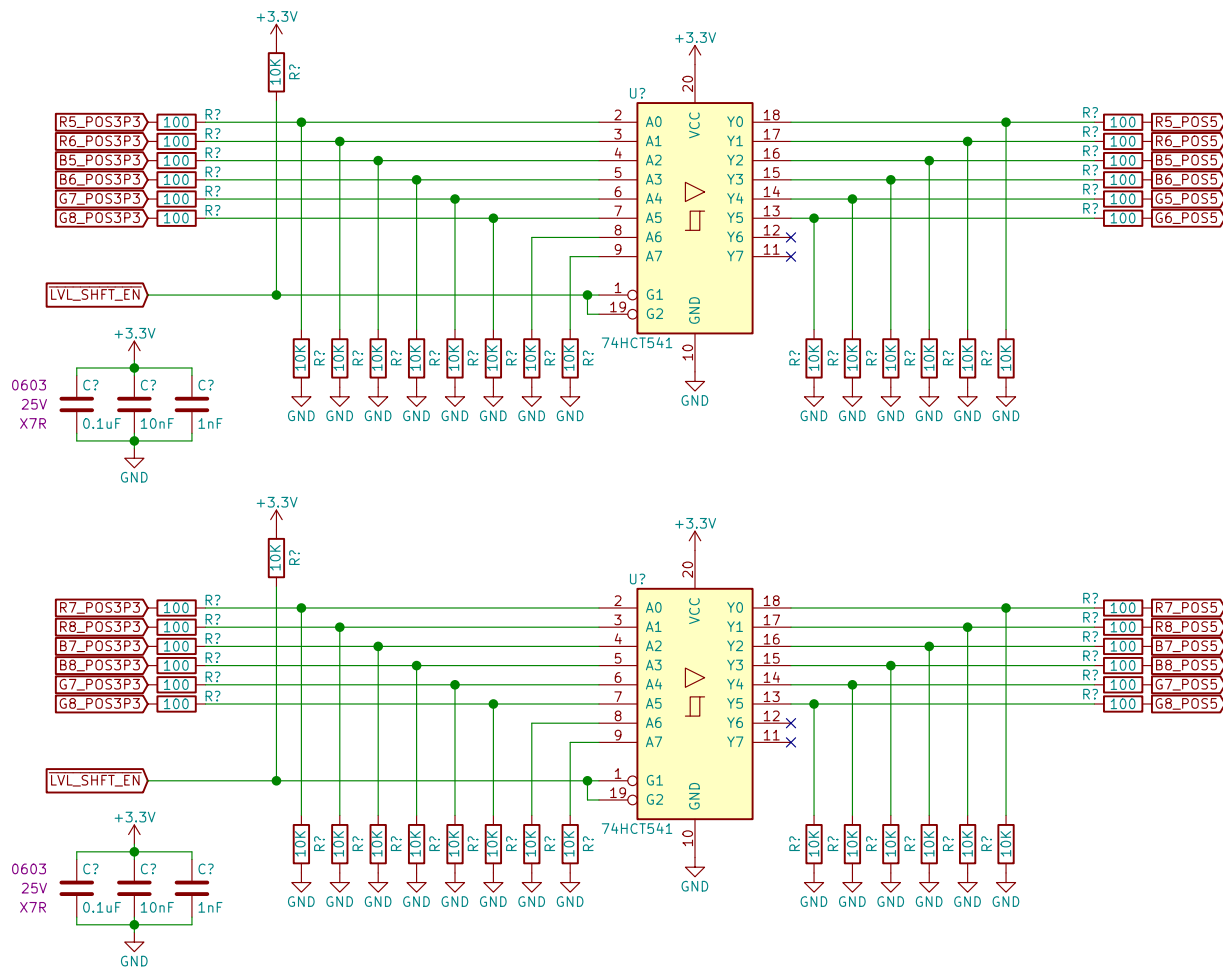


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Sheet: /Panel Data Level Shifters 2/
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