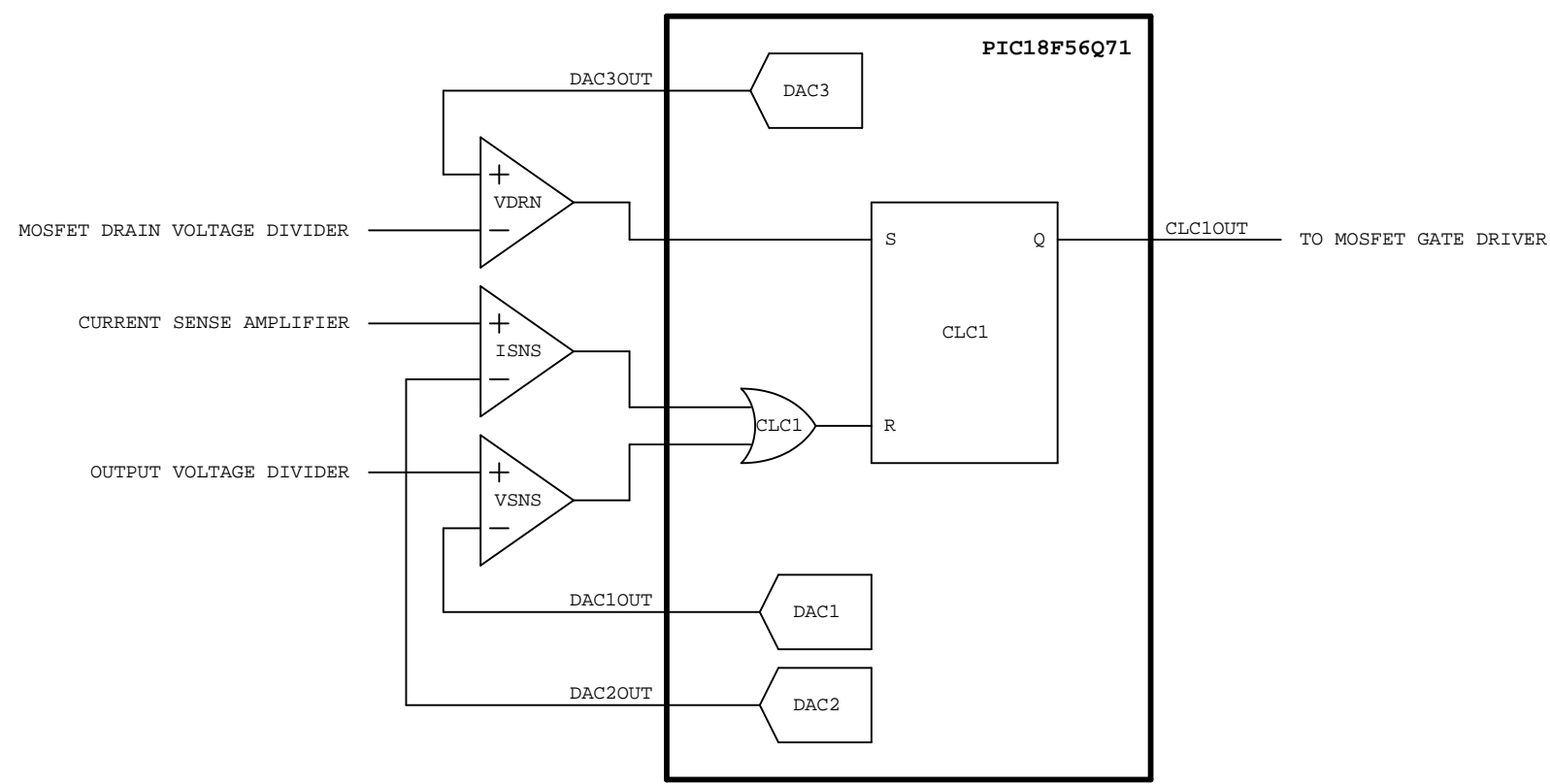
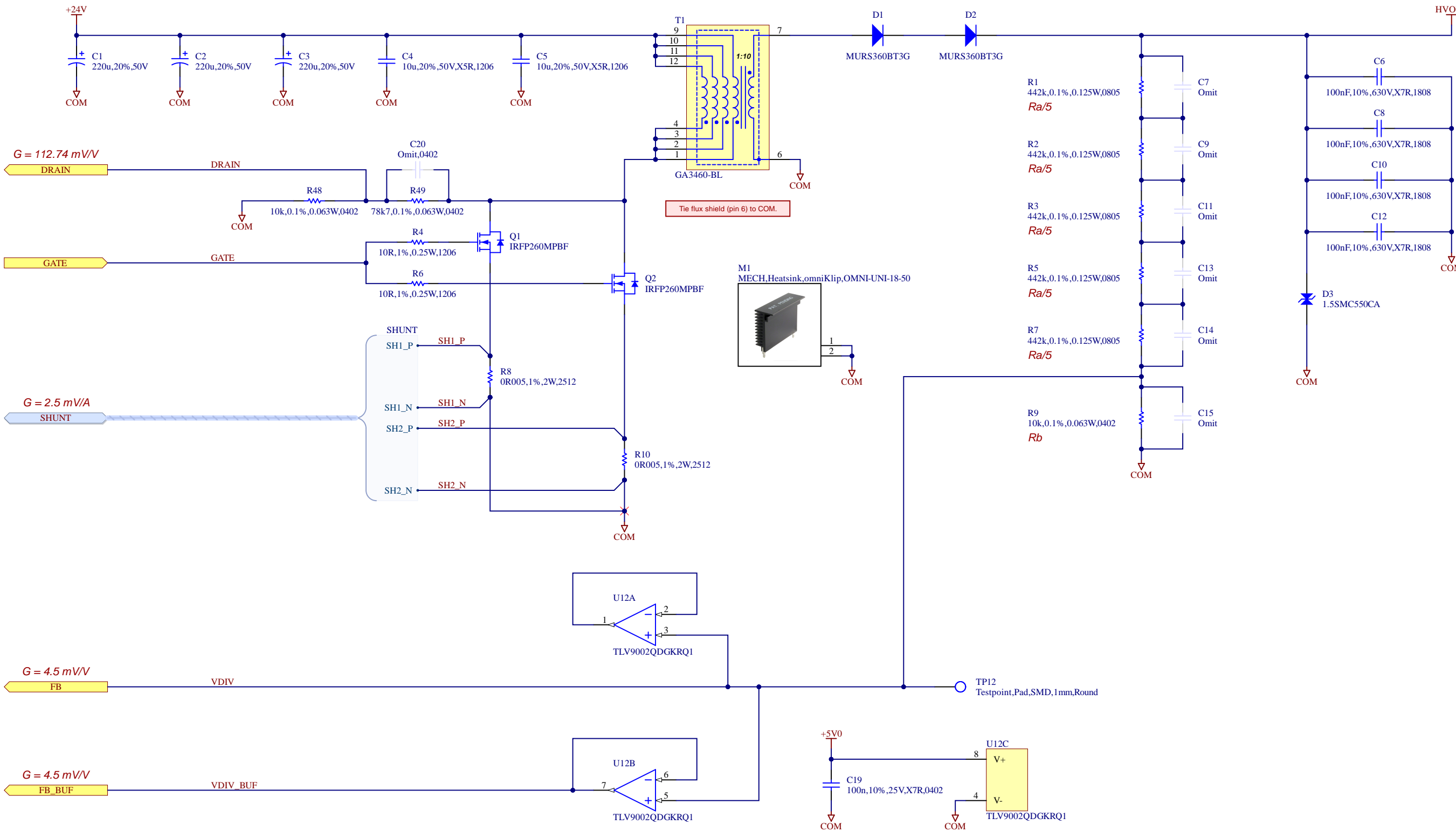
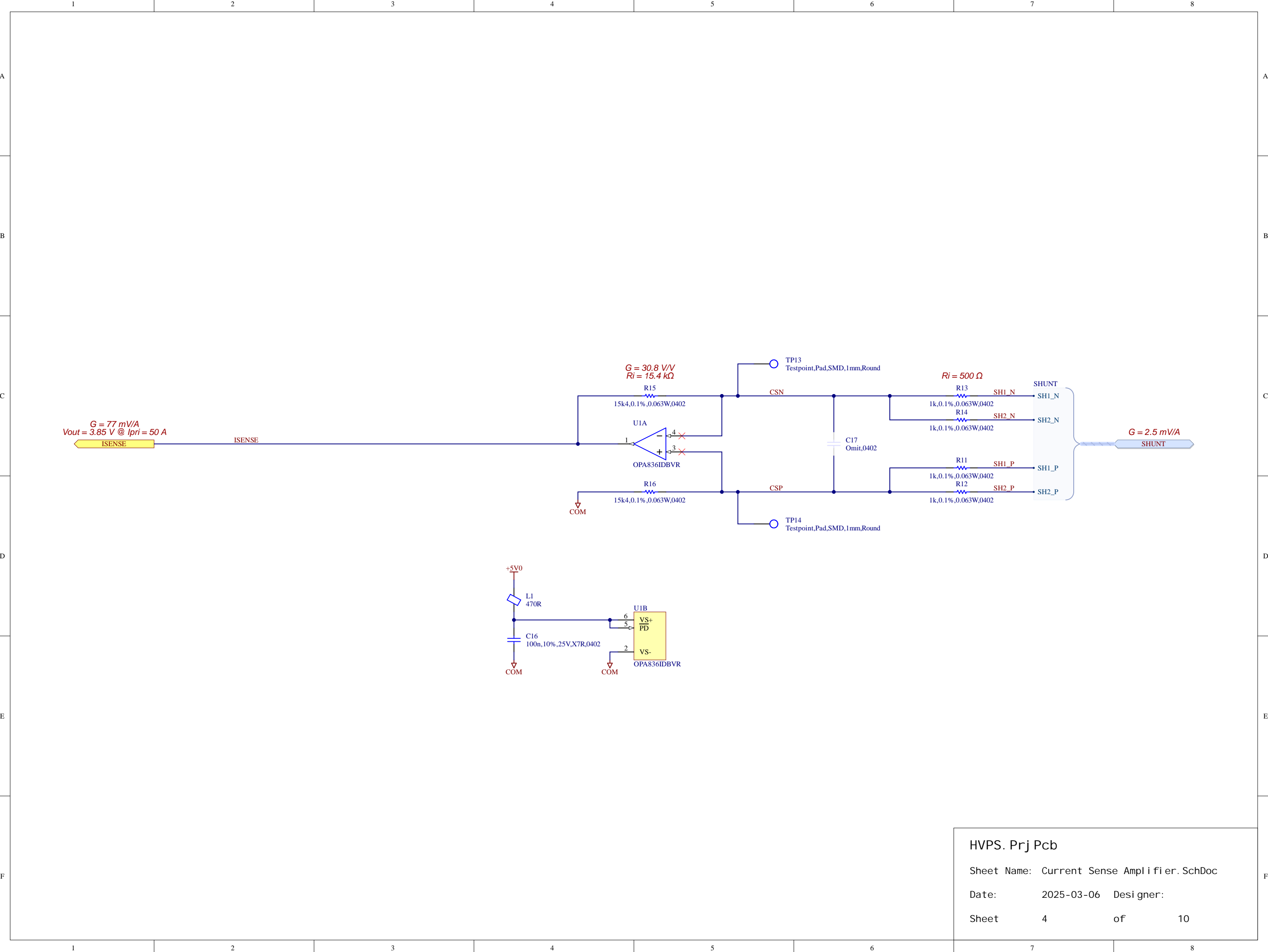


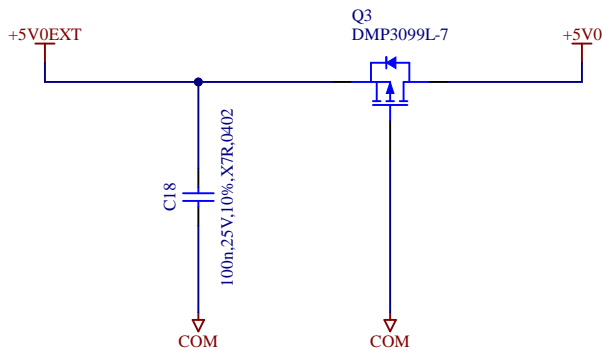
Internal MCU Block Diagram



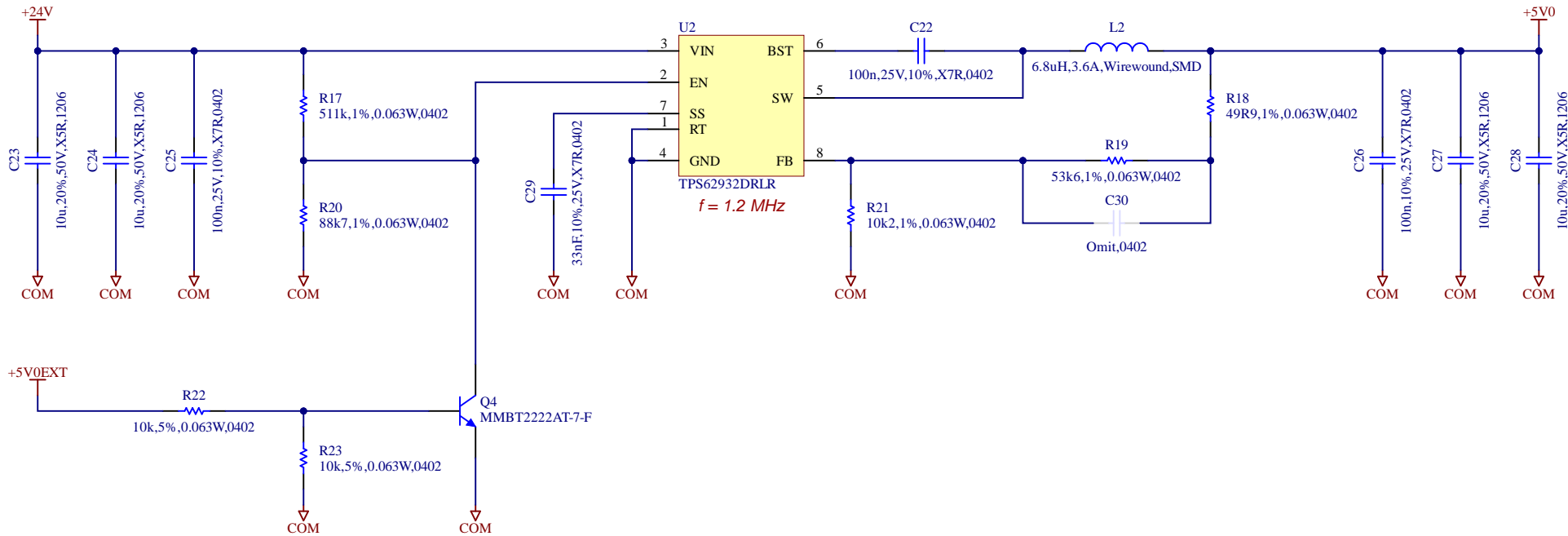




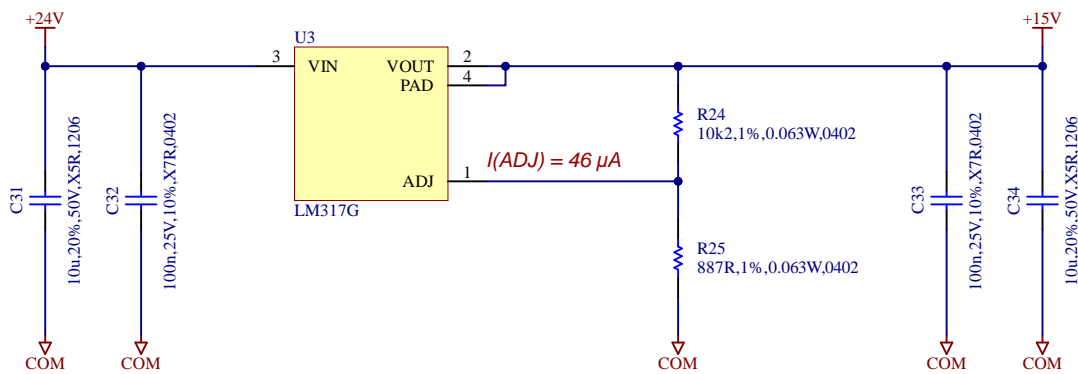
External MCU Supply Input



+5V0 Buck Regulator



+15V Gate Drive Regulator

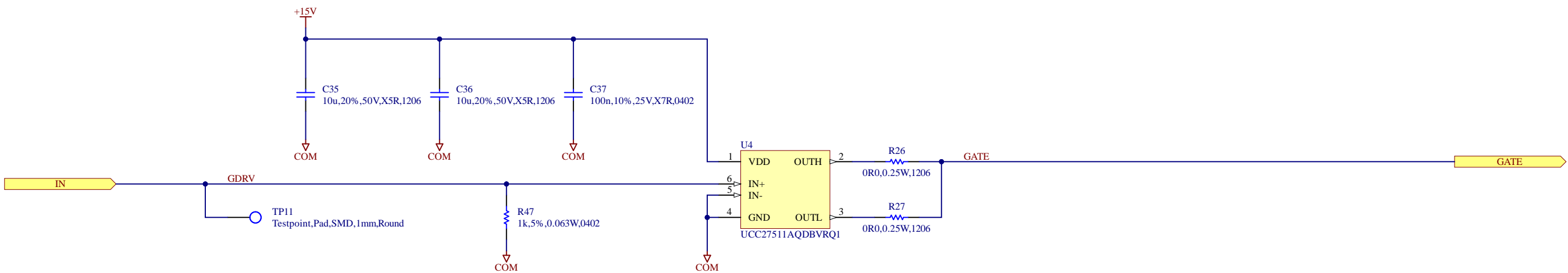


HVPS. Prj Pcb

Sheet Name: Power. SchDoc

Date: 2025-02-15 Desi gner:

Sheet 5 of 10



## HVPS. Prj Pcb

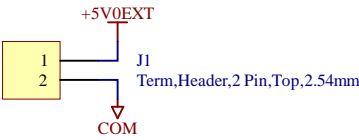
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Date: 2025-02-23 Designer:

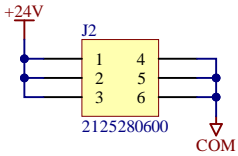
Sheet 6 of 10



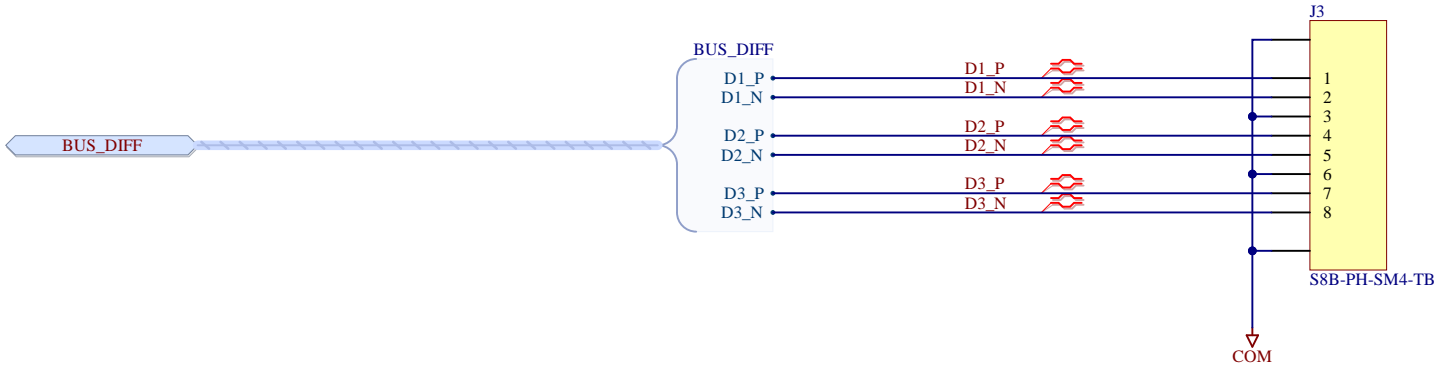
External +5V0 Input



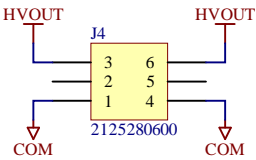
Input Power Connector



Data Connector



High Voltage Output



HVPS. Prj Pcb

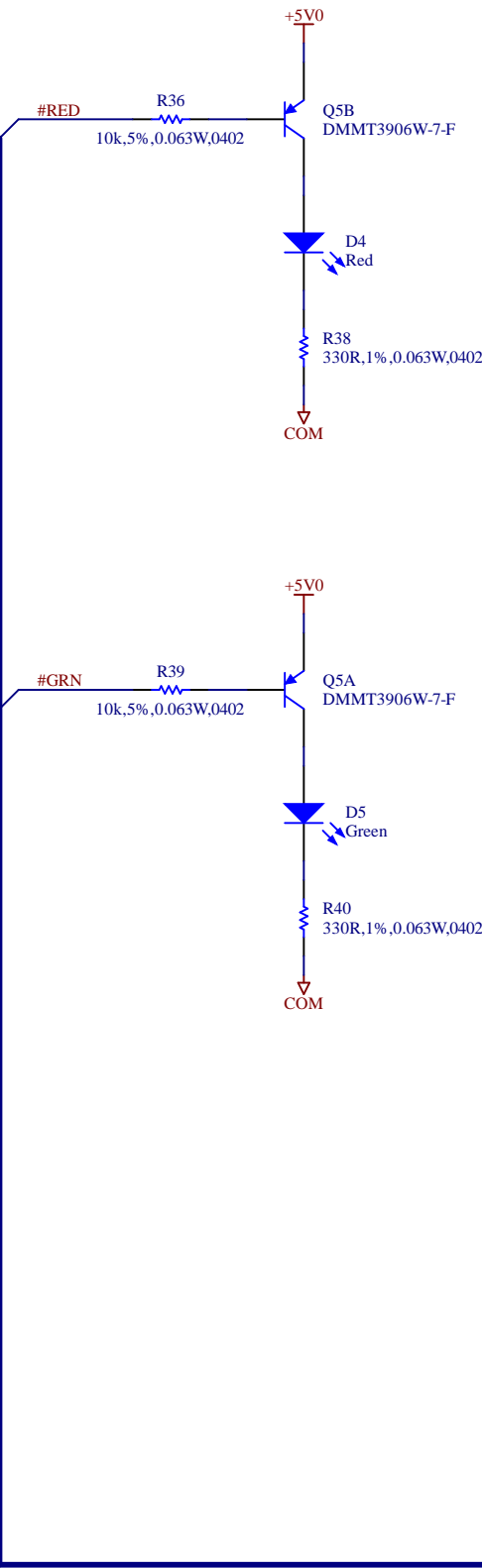
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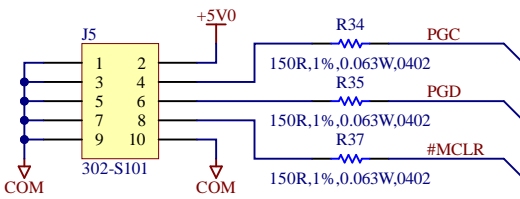
Sheet 8 of 10



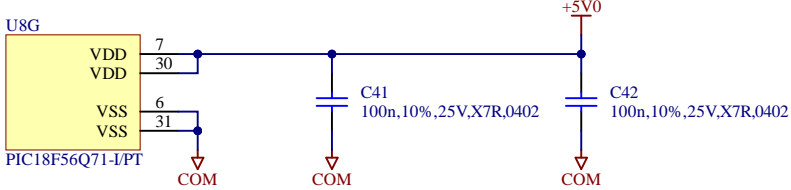
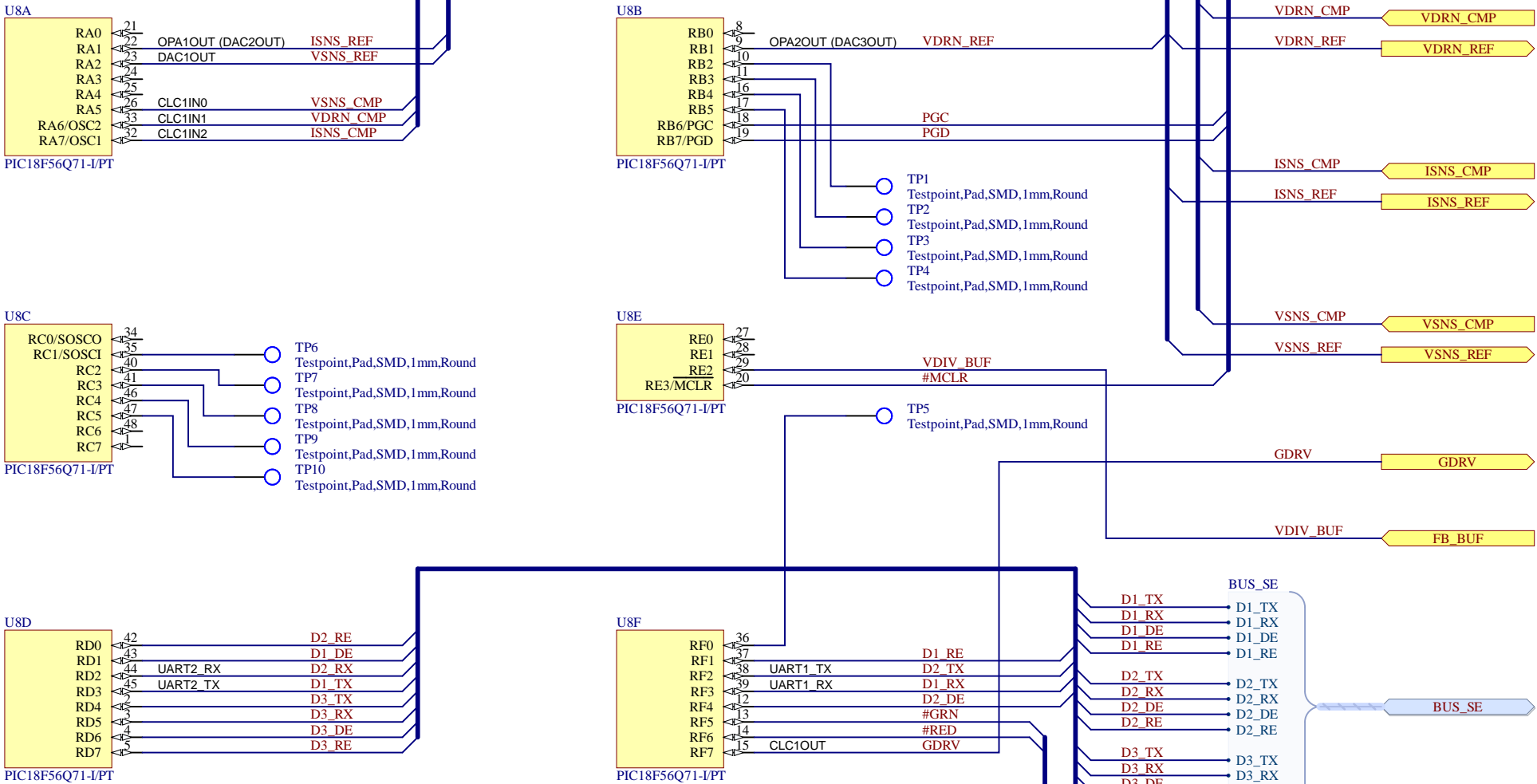
Indicator LEDs



PIC Programming Header



PIC Microcontroller



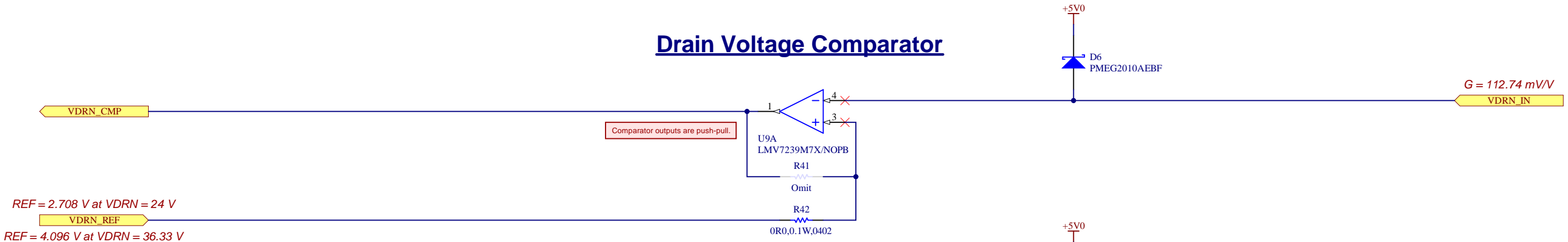
HVPS. Prj Pcb

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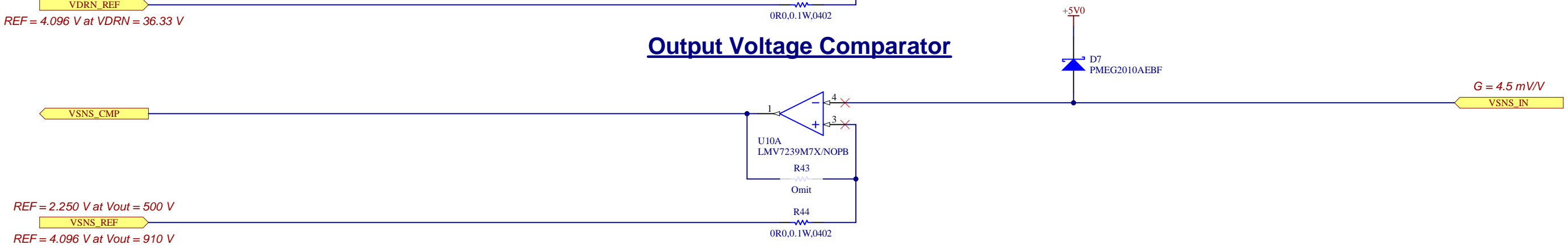
Date: 2025-03-06 Designer:

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Drain Voltage Comparator



Output Voltage Comparator



Transformer Current Sense Comparator

