

## PMG1-S2 DRP REFERENCE DESIGN

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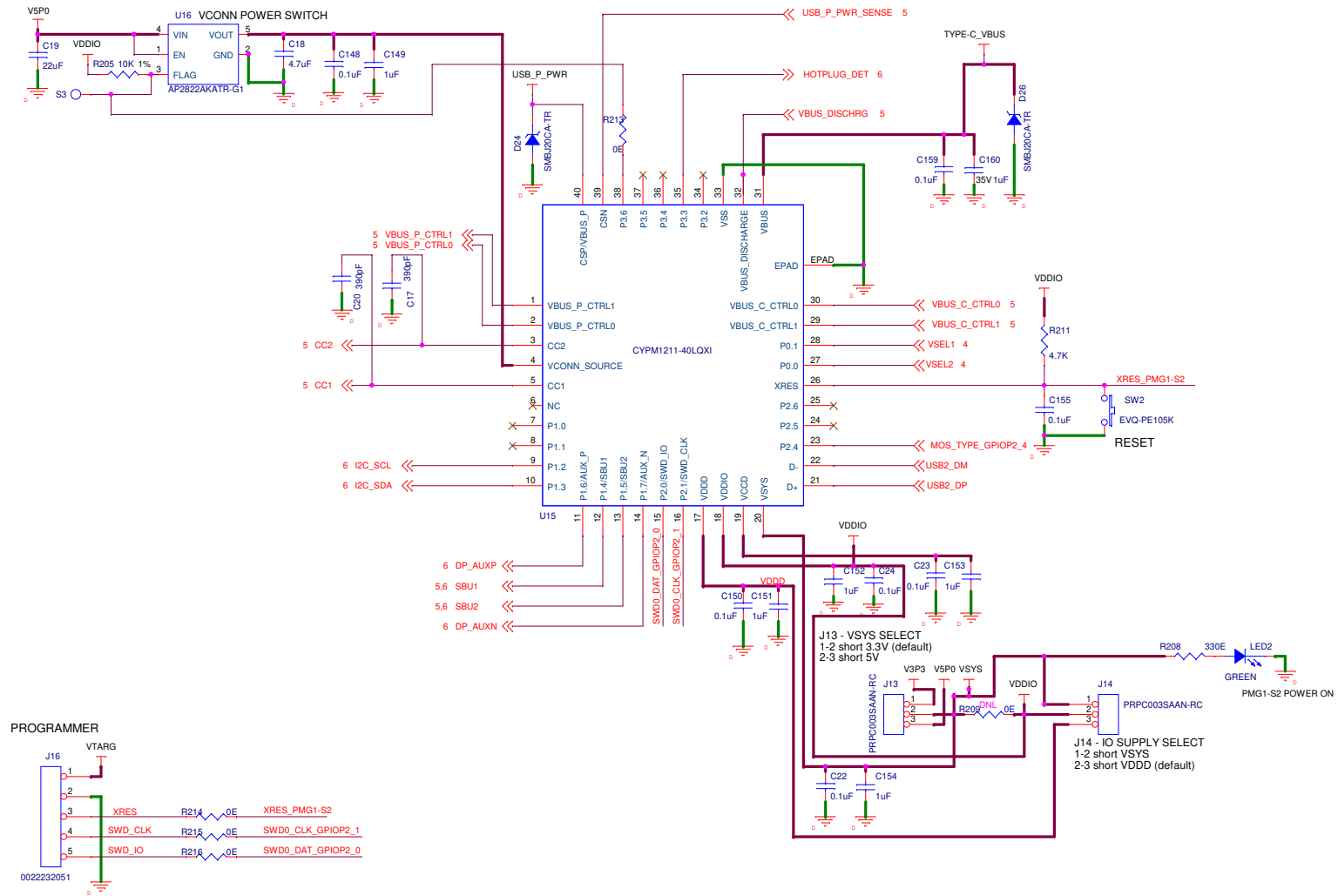


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## PMG1-S2 CONTROLLER

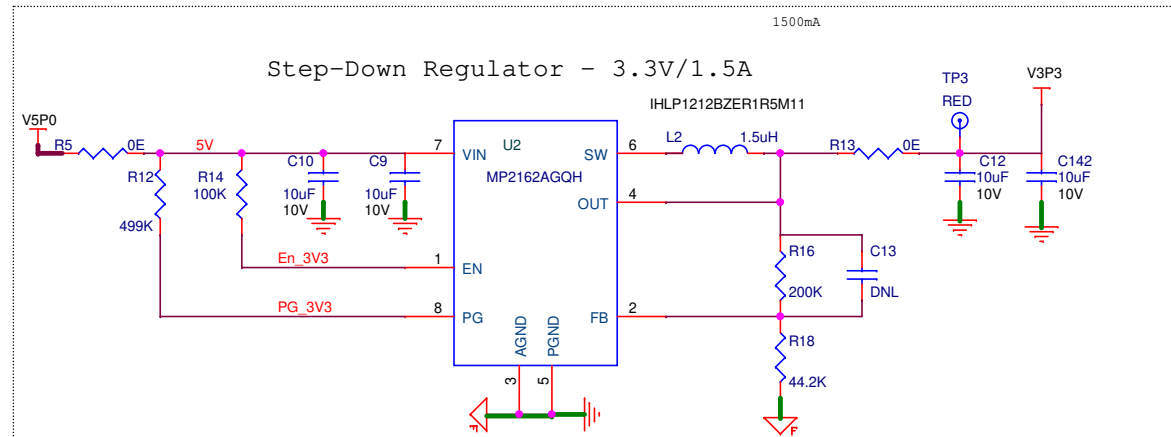
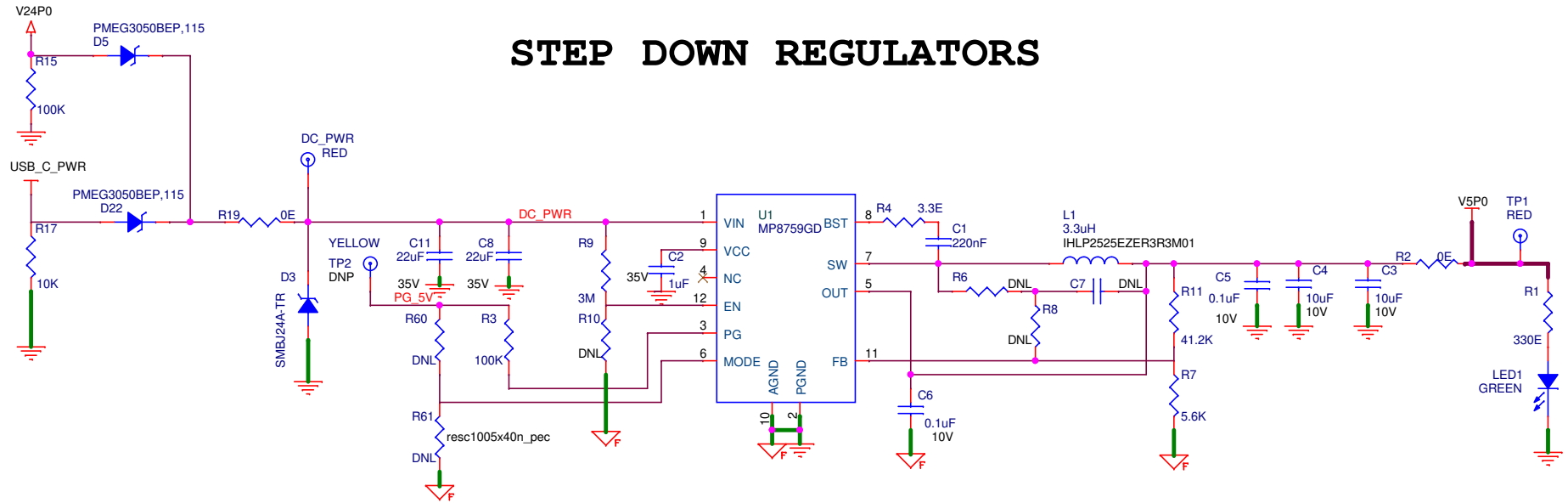


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# STEP DOWN REGULATORS



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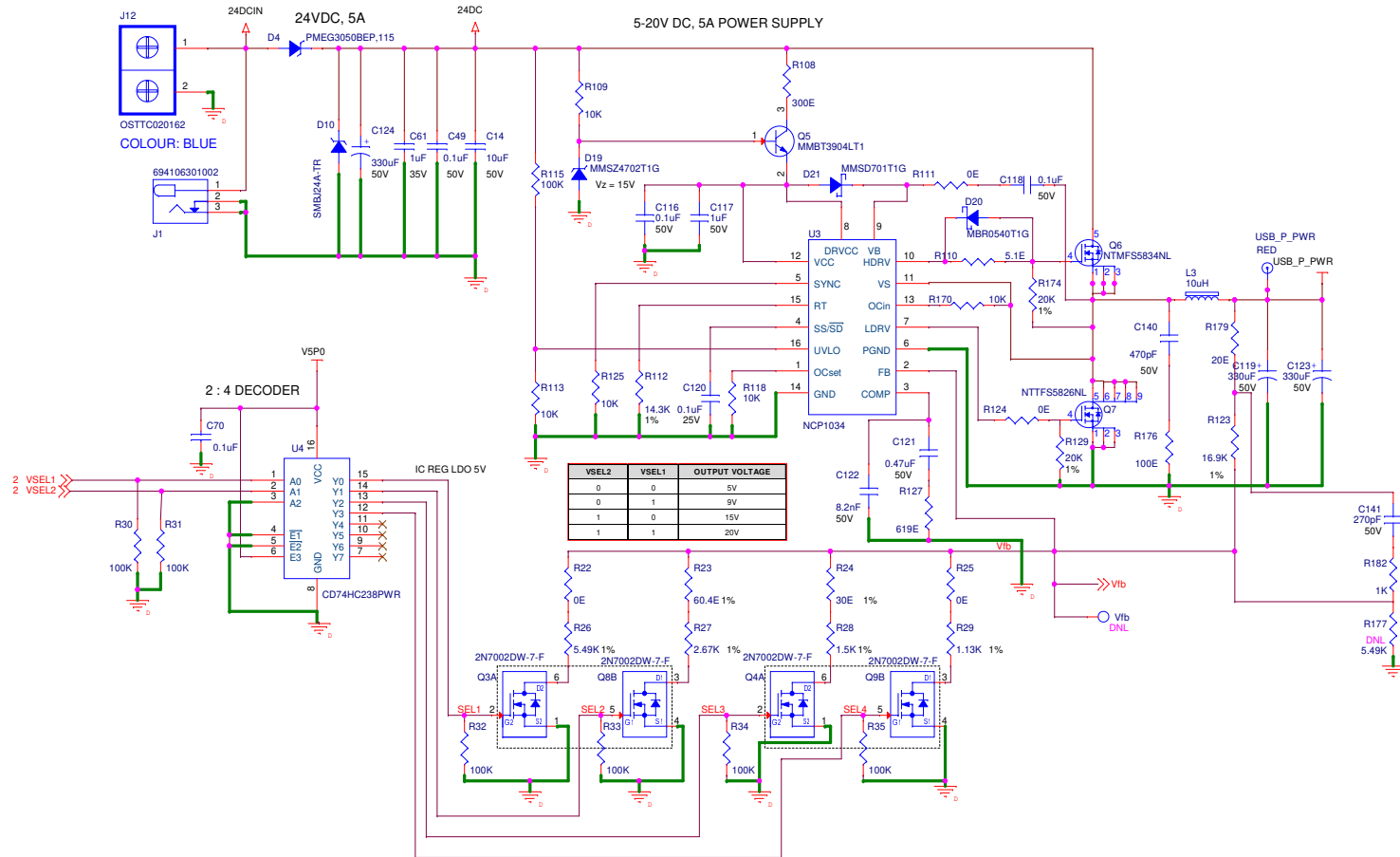


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# PD REGULATOR



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# VBUS PROVIDER/CONSUMER FET AND TYPE-C CONNECTOR

Ensure layout is suitable for 5A continuous current for below path  
USB\_P\_PWR, TYPE-C\_VBUS, USB\_C\_PWR

**OVER CURRENT SENSE**

USB\_P\_PWR

PROVIDER PATH

TYPE-C\_VBUS

CONSUMER PATH

USB\_C\_PWR

CONSUMER POWER OUTPUT  
5 - 20V DC

COLOUR: GREEN

**NOTE:**  
Nets with names  
SS\*, ML\*, TX\*, USB\_PD\*  
are all high speed signals

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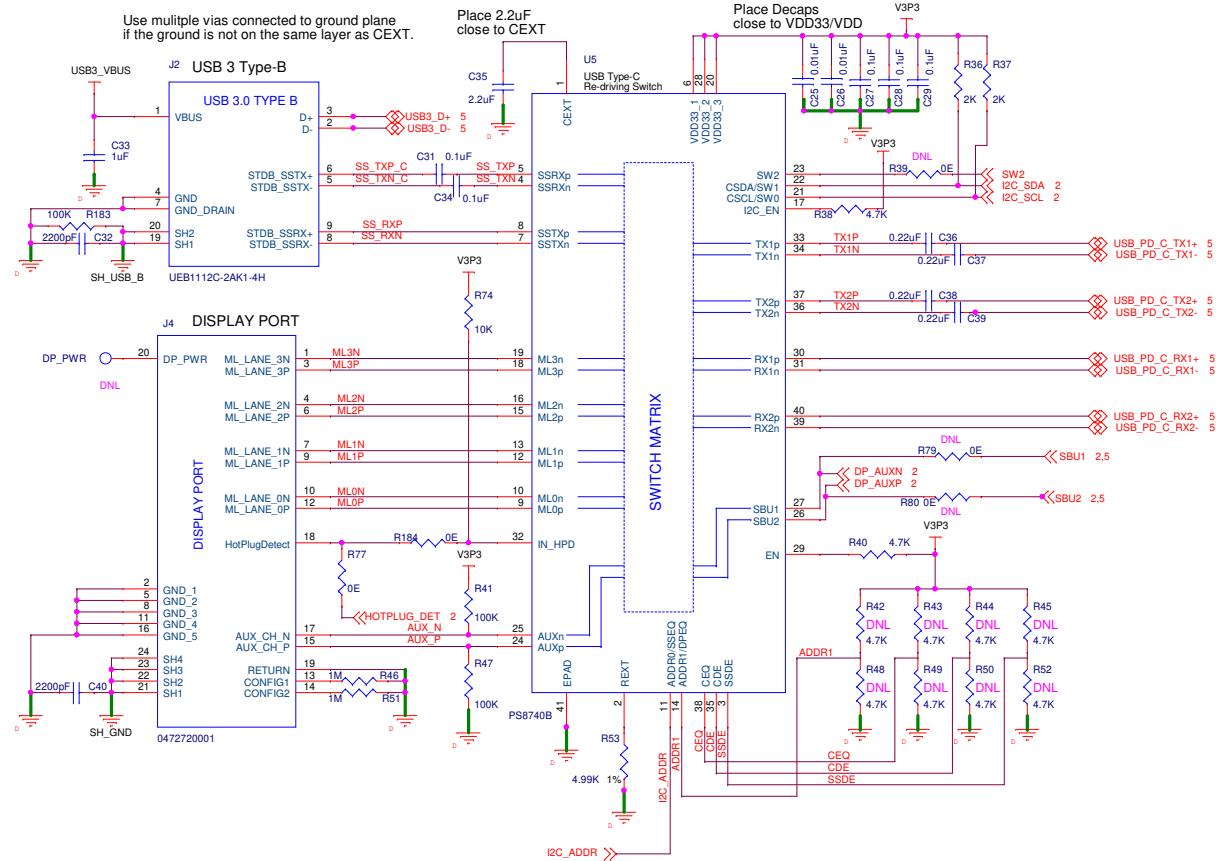
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# USB SUPERSPEED AND DISPLAY PORT MUX (OPTIONAL)



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