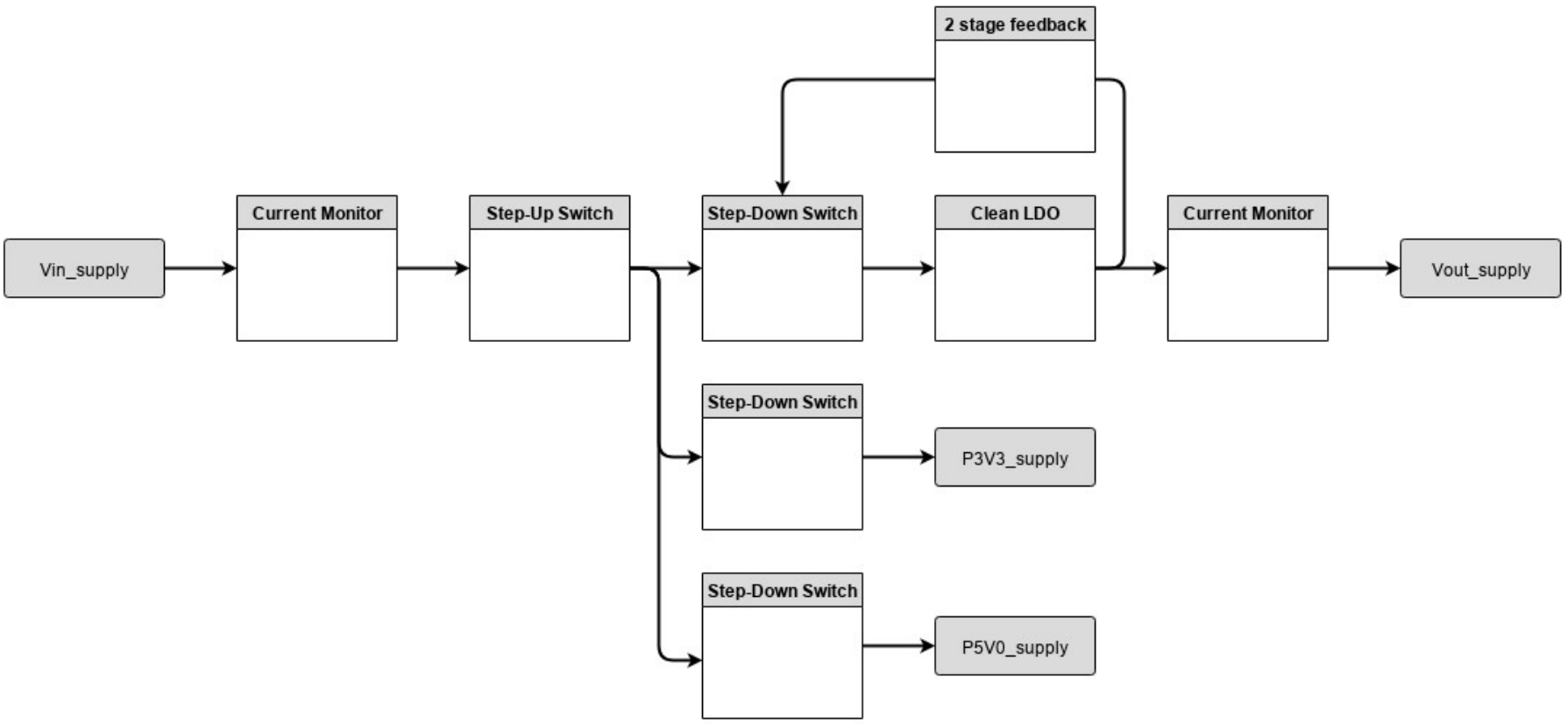
PAGE 0 -- Logical Schematics



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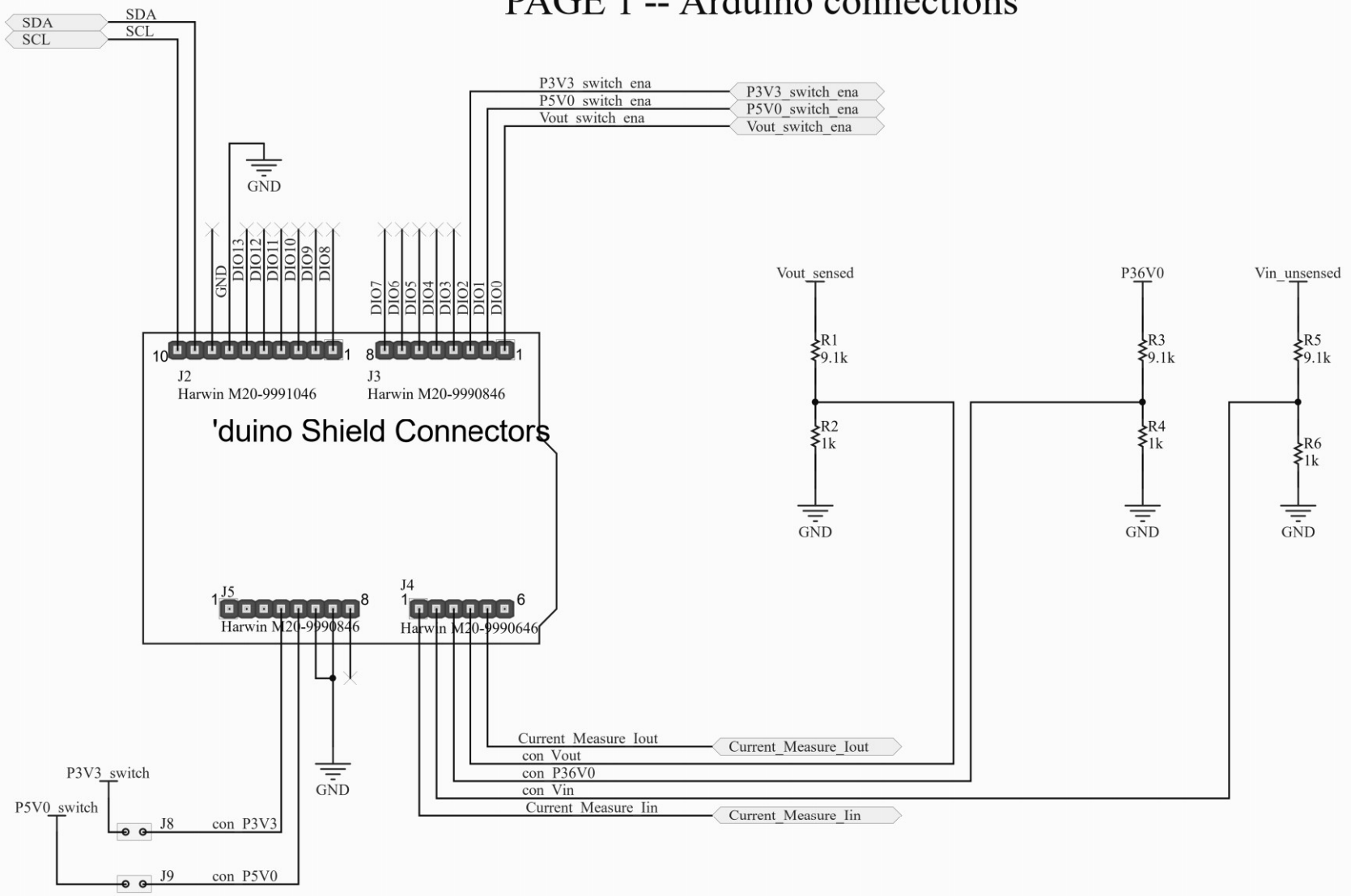
File: Into.SchDoc		Drawn By:

PAGE 1 -- Arduino connections



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File: Arduino_Connectors.SchDoc		Drawn By:

PAGE 2 -- Step-Up Switch

To set VOUT = 36

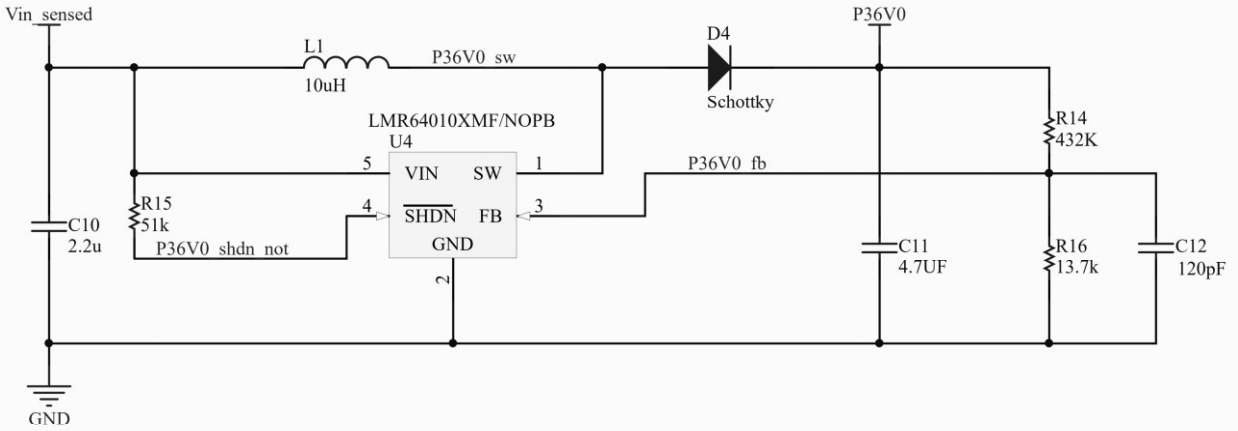
R1= R2 x (VOUT/1.23−1)
R1= R2 x 28.26

R1 = 10 k
R2 = 282.6 k

To set VOUT = 40

R1= R2 x (VOUT/1.23−1)
R1= R2 x (31.52)

R1 = 13.7 k
R2 = 432 k



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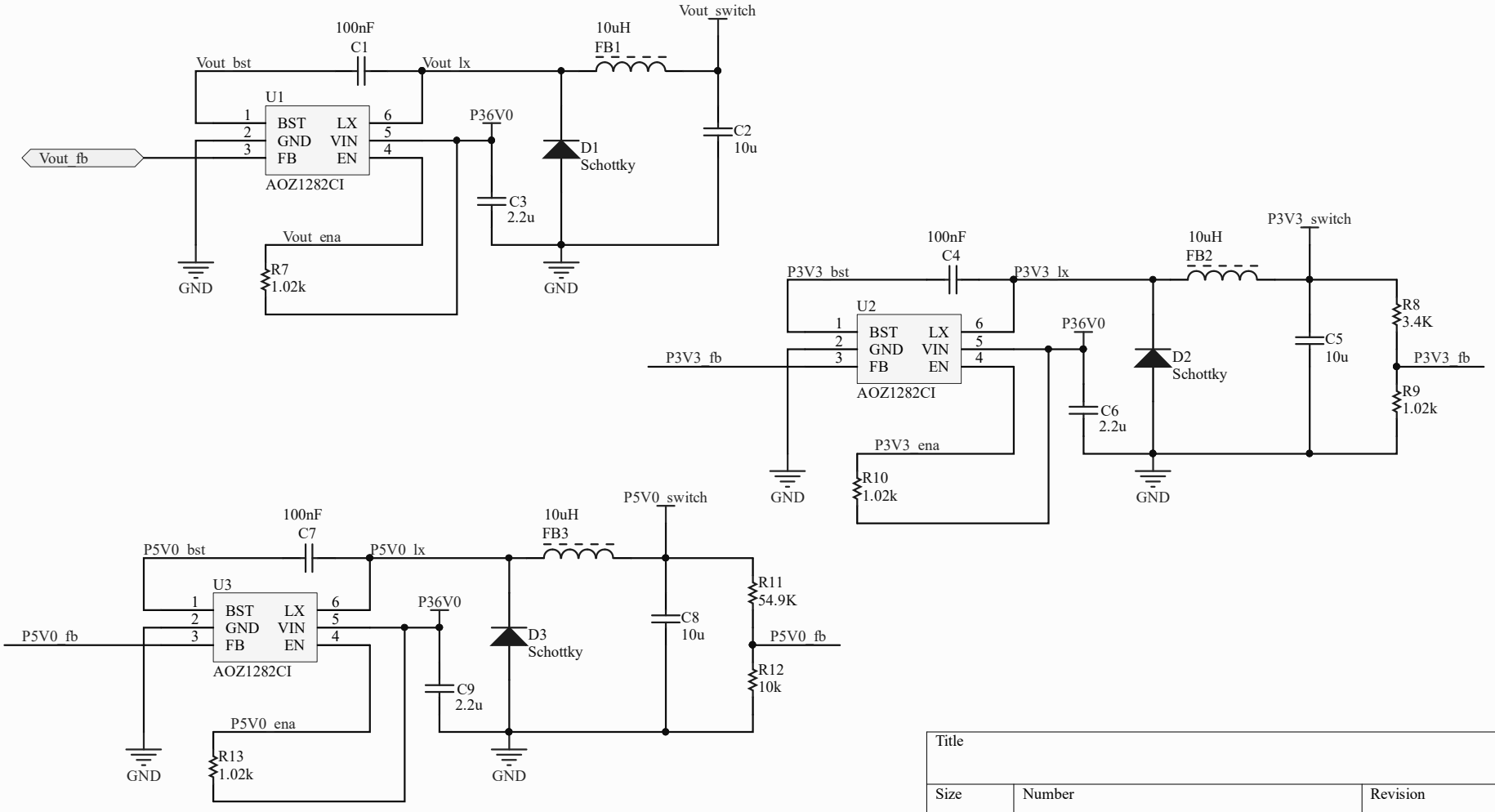
PAGE 3 -- Step-Down Switch



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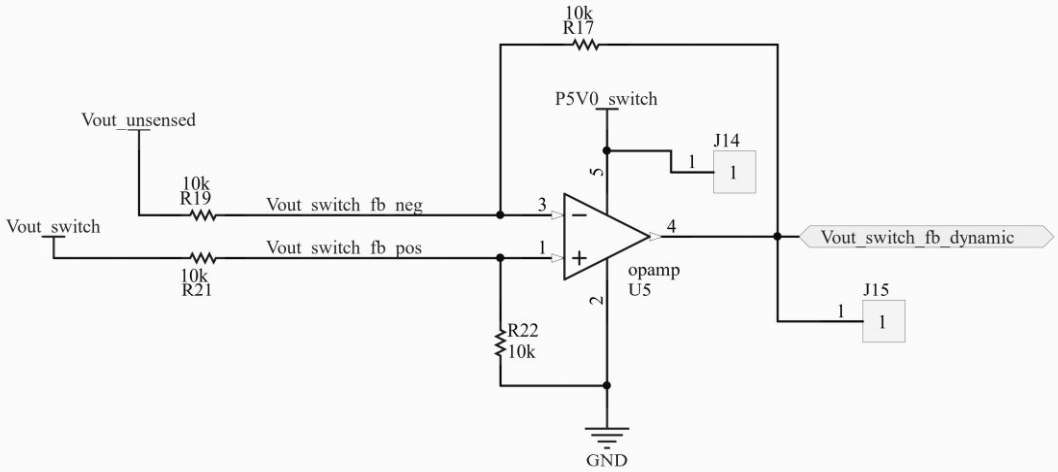
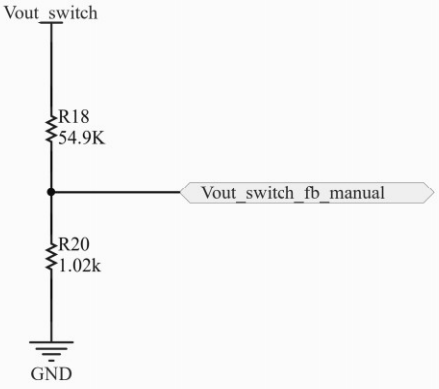
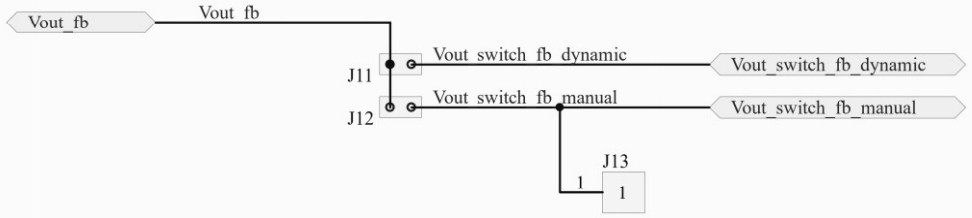
File: step_down_regulators.SchDoc		Drawn By:

PAGE 4 -- Step-Down FeedBack







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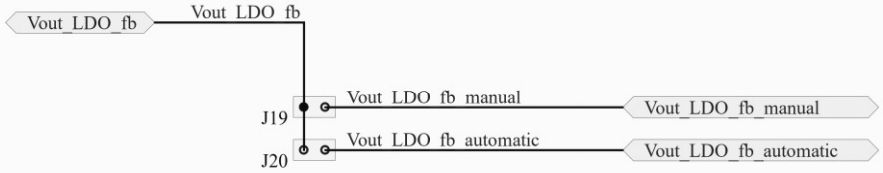
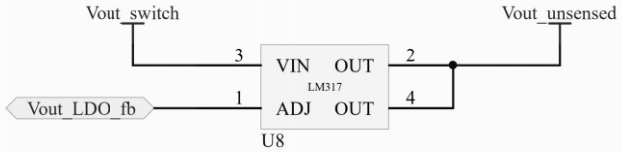
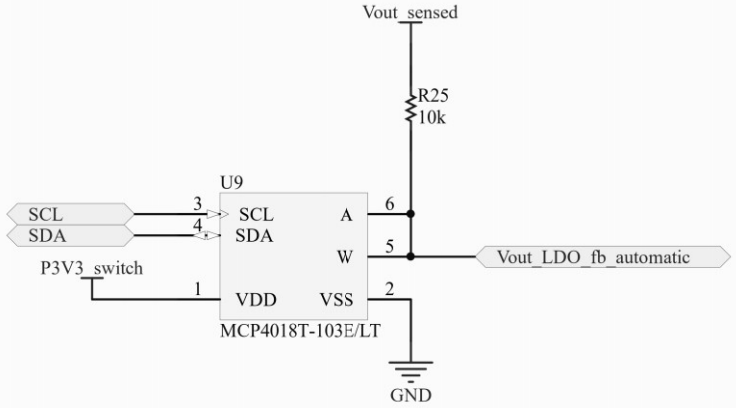
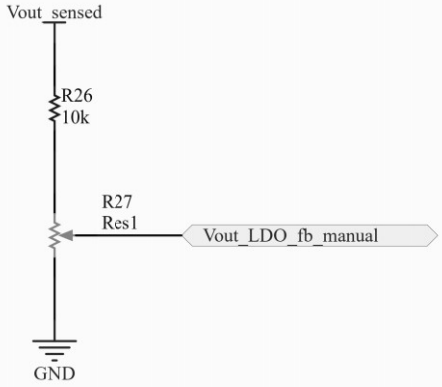
PAGE 5 -- Step-Down Regulator









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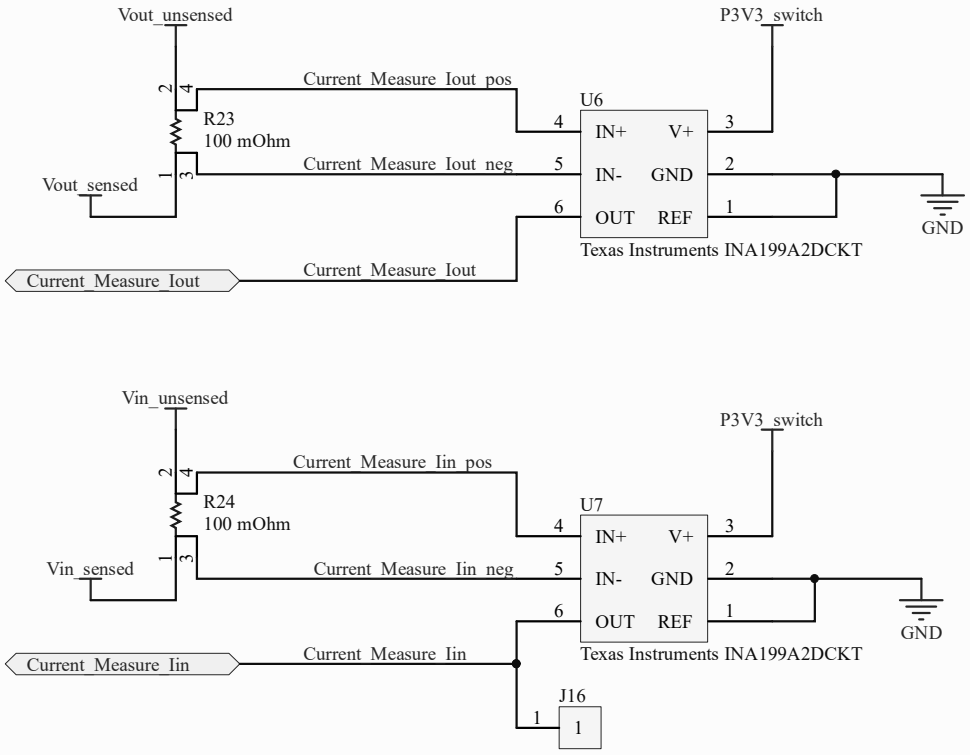
PAGE 6 -- Current Monitors



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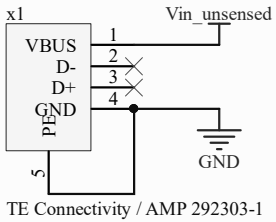
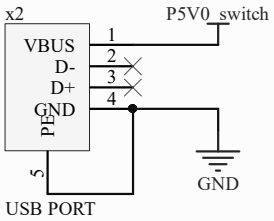
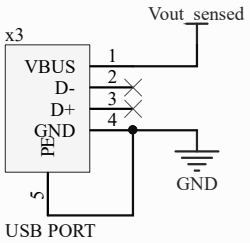
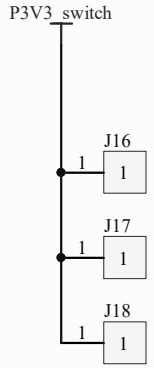
PAGE 7 -- IO









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