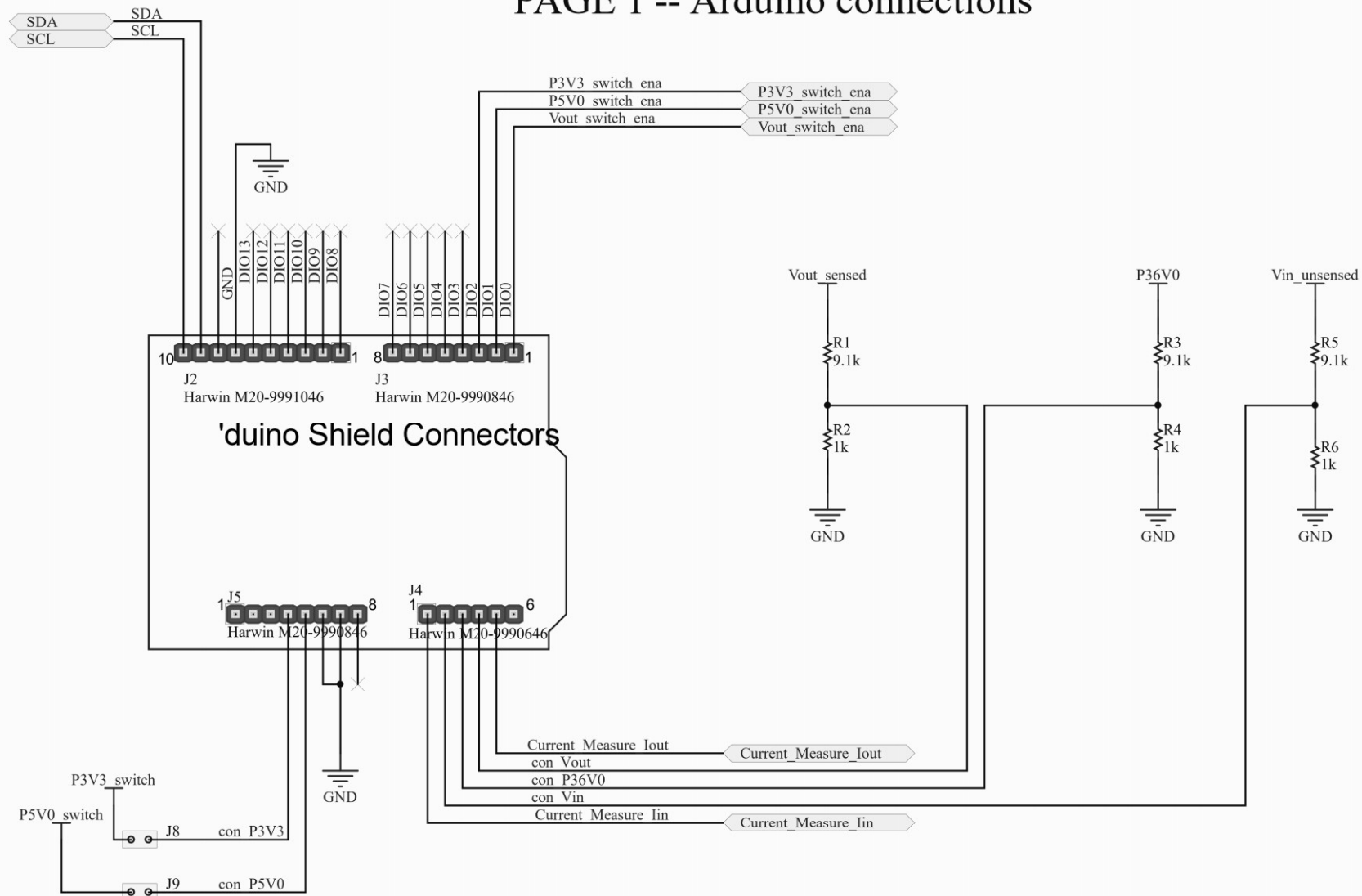


PAGE 1 -- Arduino connections



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File:	Arduino_Connectors.SchDoc	Drawn By:

PAGE 2 -- Step-Up Switch

▲ To set VOUT = 36

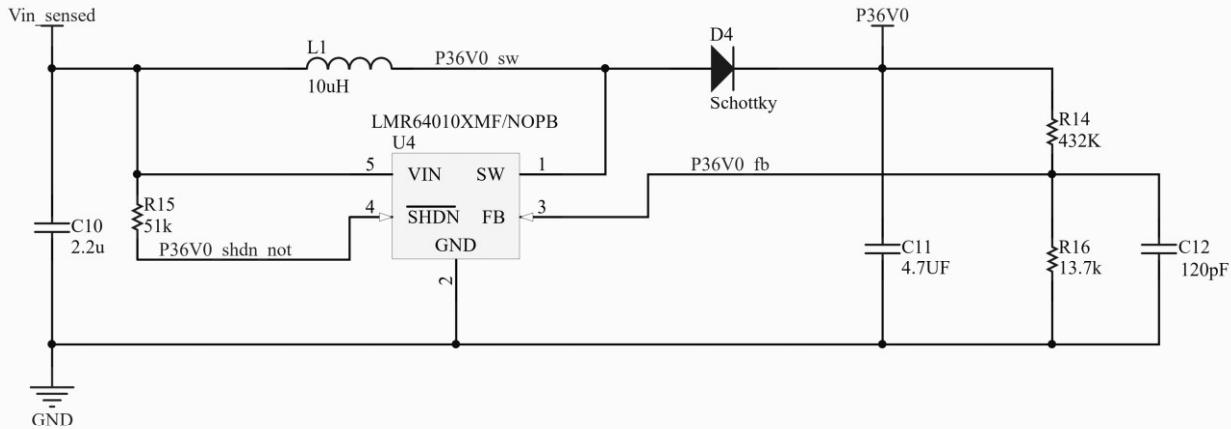
$R1 = R2 \times (VOUT/1.23 - 1)$
 $R1 = R2 \times 28.26$

$R1 = 10\text{ k}$
 $R2 = 282.6\text{ k}$

▲ To set VOUT = 40

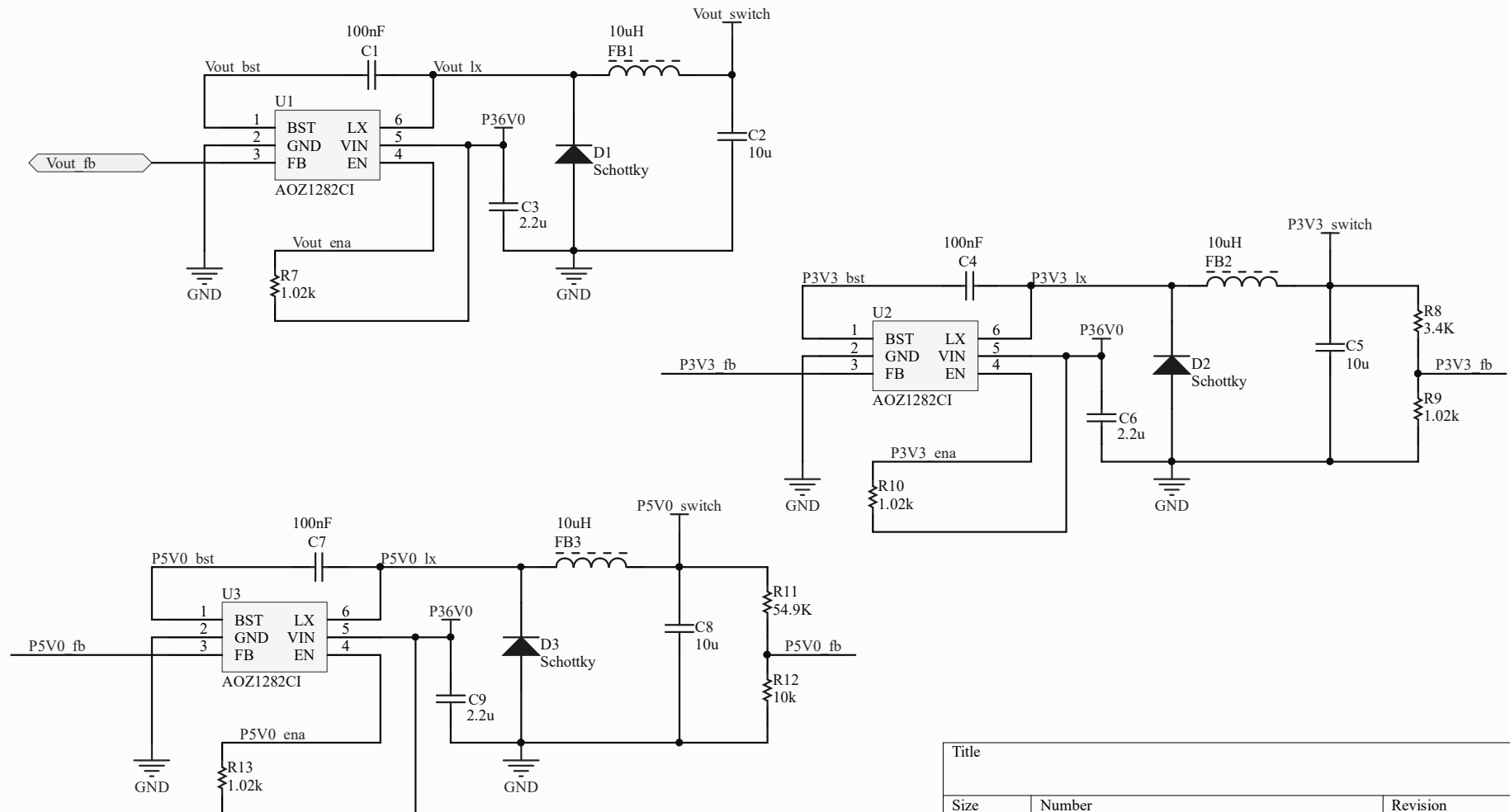
$R1 = R2 \times (VOUT/1.23 - 1)$
 $R1 = R2 \times (31.52)$

$R1 = 13.7\text{ k}$
 $R2 = 432\text{ k}$



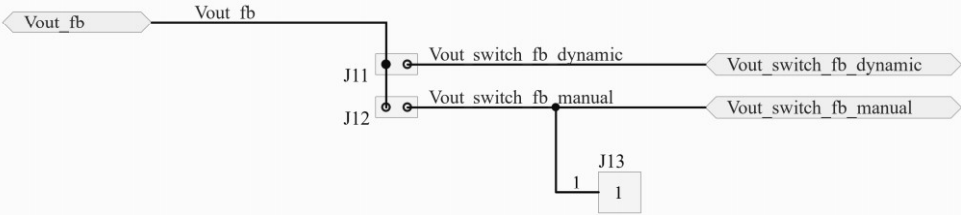
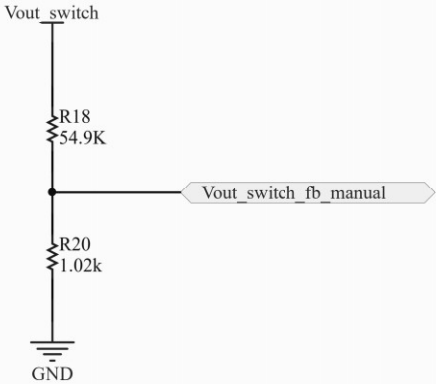
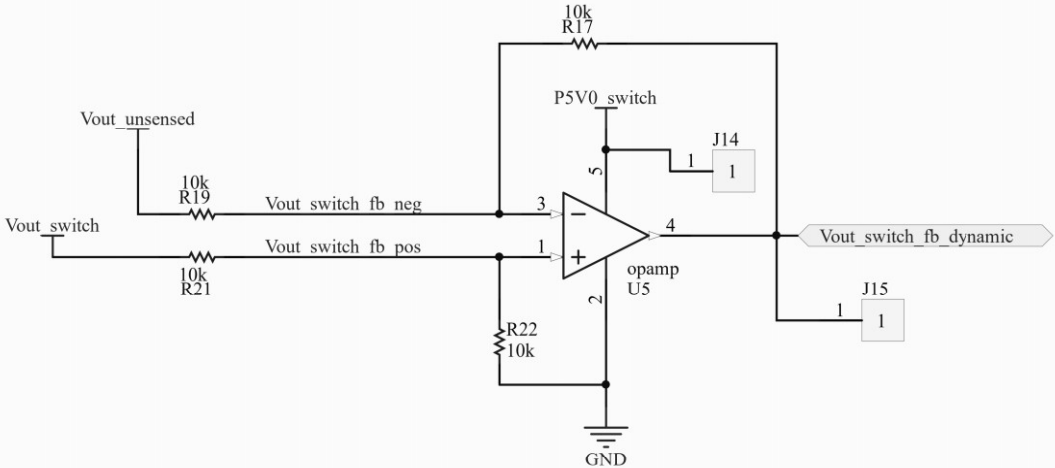
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PAGE 3 -- Step-Down Switch



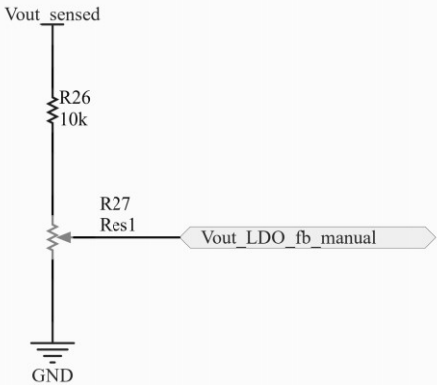
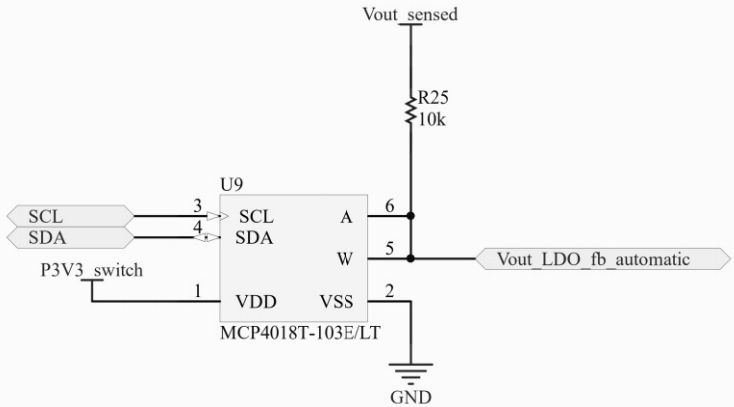
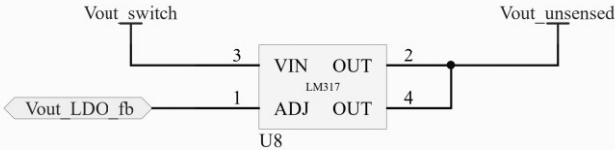
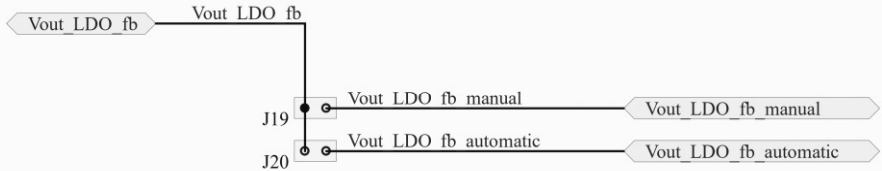
Title		
Size	Number	Revision
A		
Date:	2/16/2021	Sheet of
File:	step down regulators.SchDoc	Drawn By:

PAGE 4 -- Step-Down FeedBack



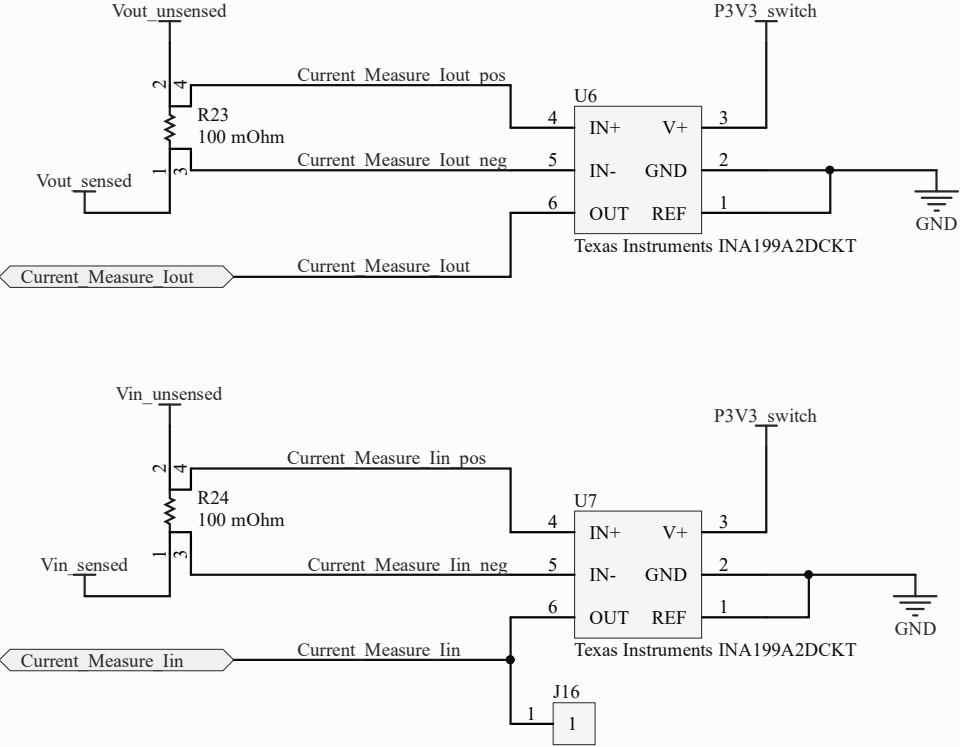
Title		
Size	Number	Revision
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File:	step_down_feedback.SchDoc	Drawn By:

PAGE 5 -- Step-Down Regulator



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PAGE 6 -- Current Monitors



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