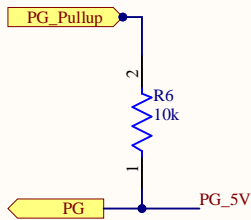
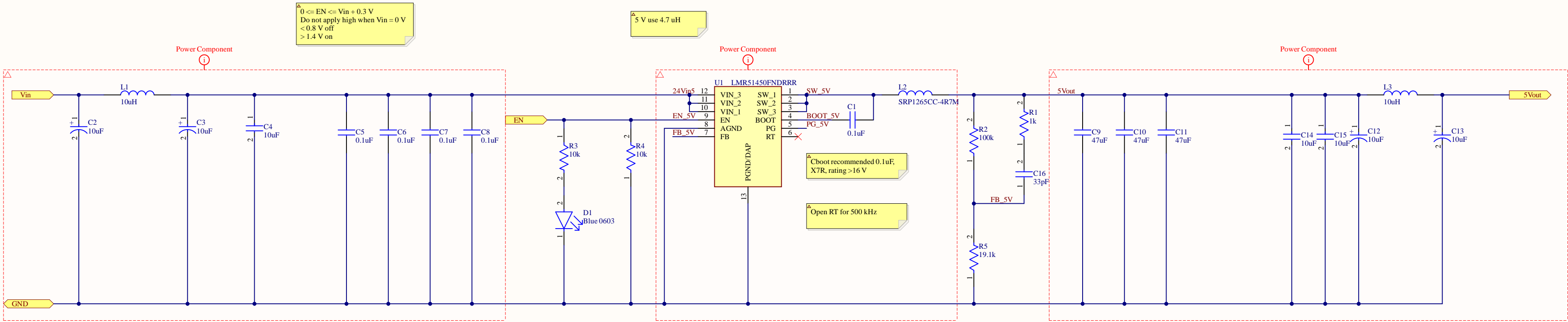


LMR51450 24V - 5V 4A

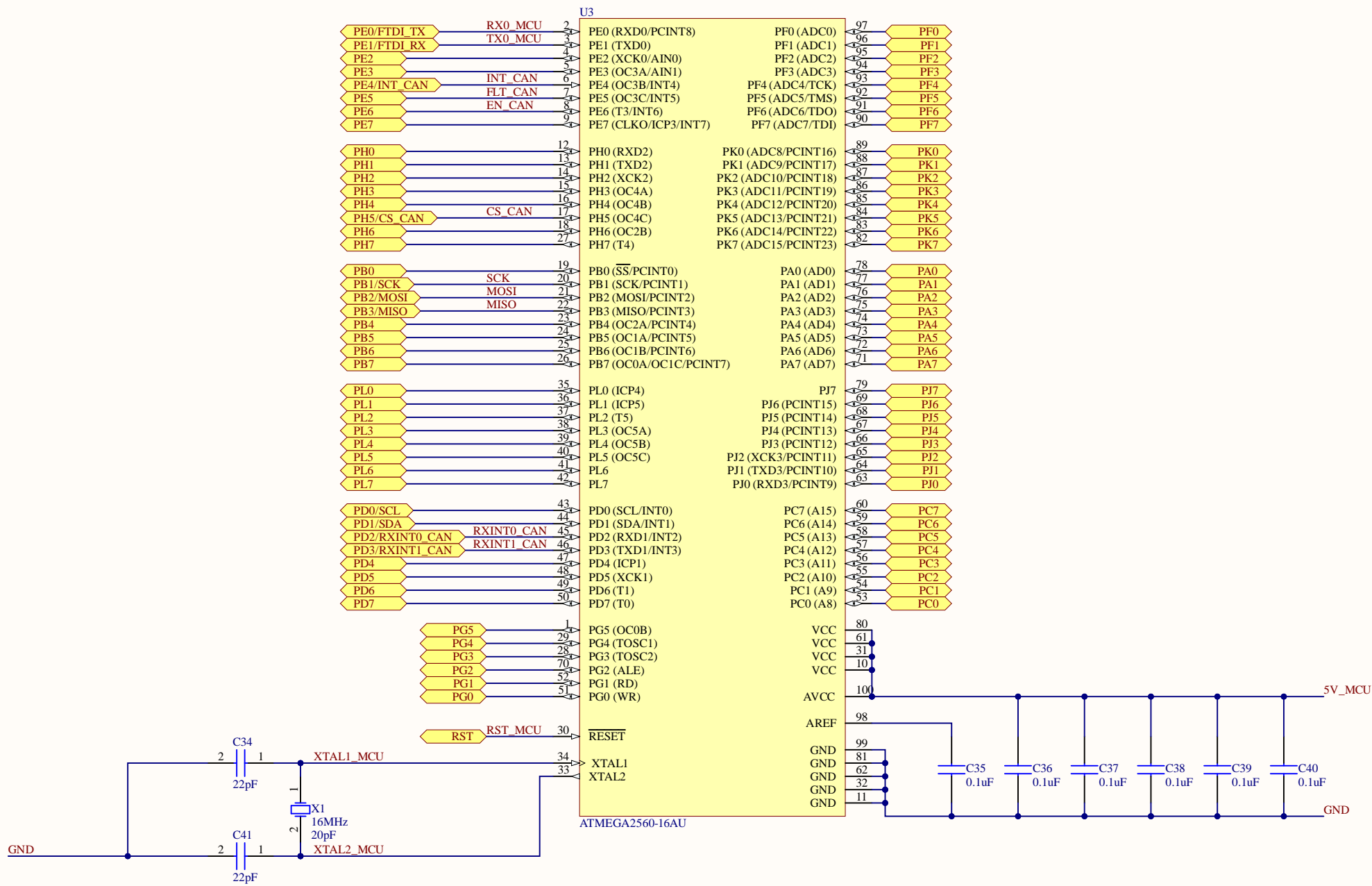


Δ Power good current in < 5 mA
Pulled up to 5V
 $R_{min} = 5/0.005 = 1\text{ kohm}$
10k-100k ohm recommended
10k ohm used

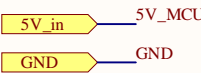
Δ LOW = fault
Pulled up = no fault

Title		
Size	Number	Revision
C		
Date:	12/10/2024	Sheet of
File:	24V to 5V 4A LMR51450FNDRRR Buck	Sub: By:

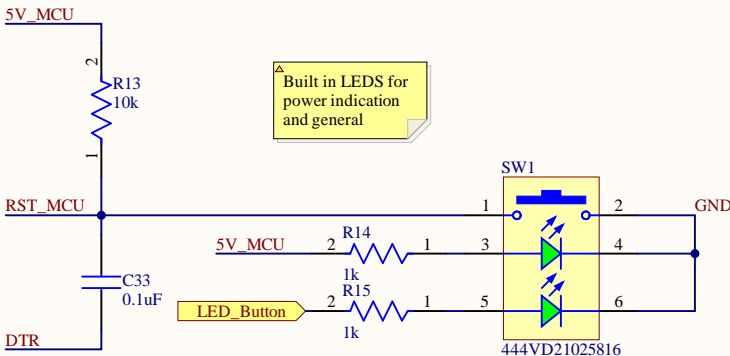
ATMega2560



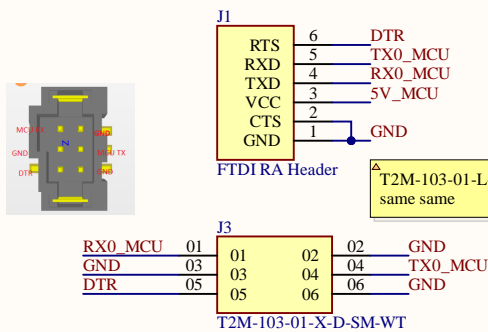
Power Port



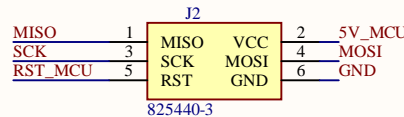
MCU Reset Button



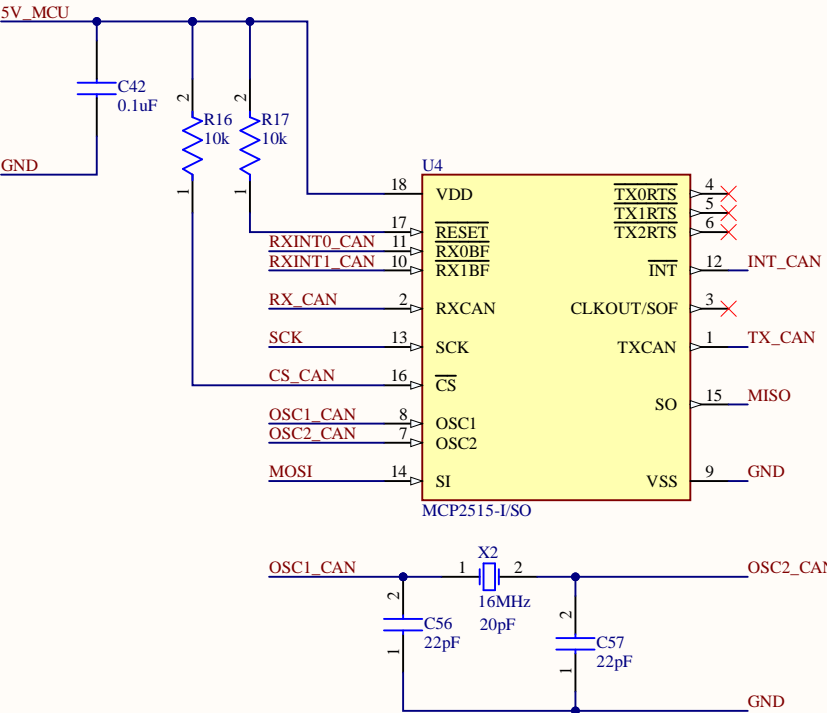
FTDI Programmer



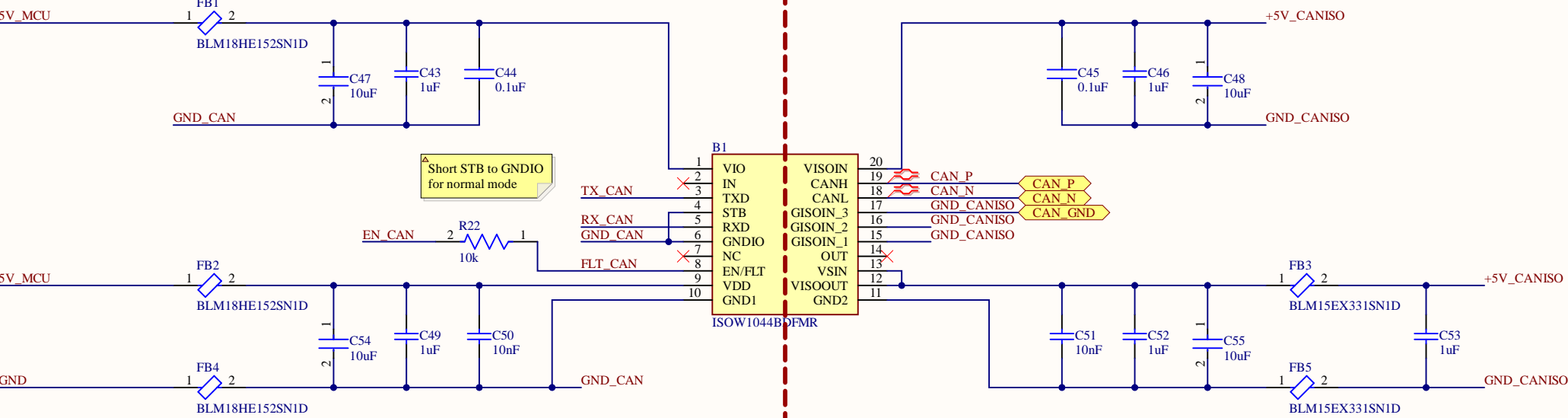
Bootloader Pinout



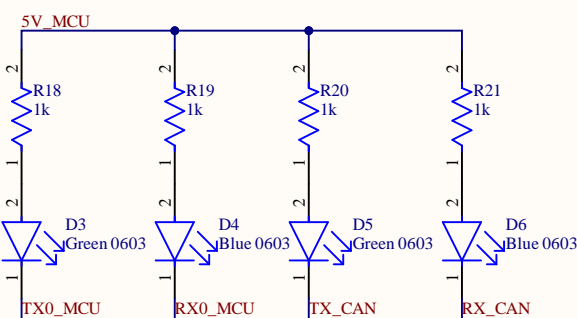
CAN Controller



CAN Transceiver + DCDC Isolator

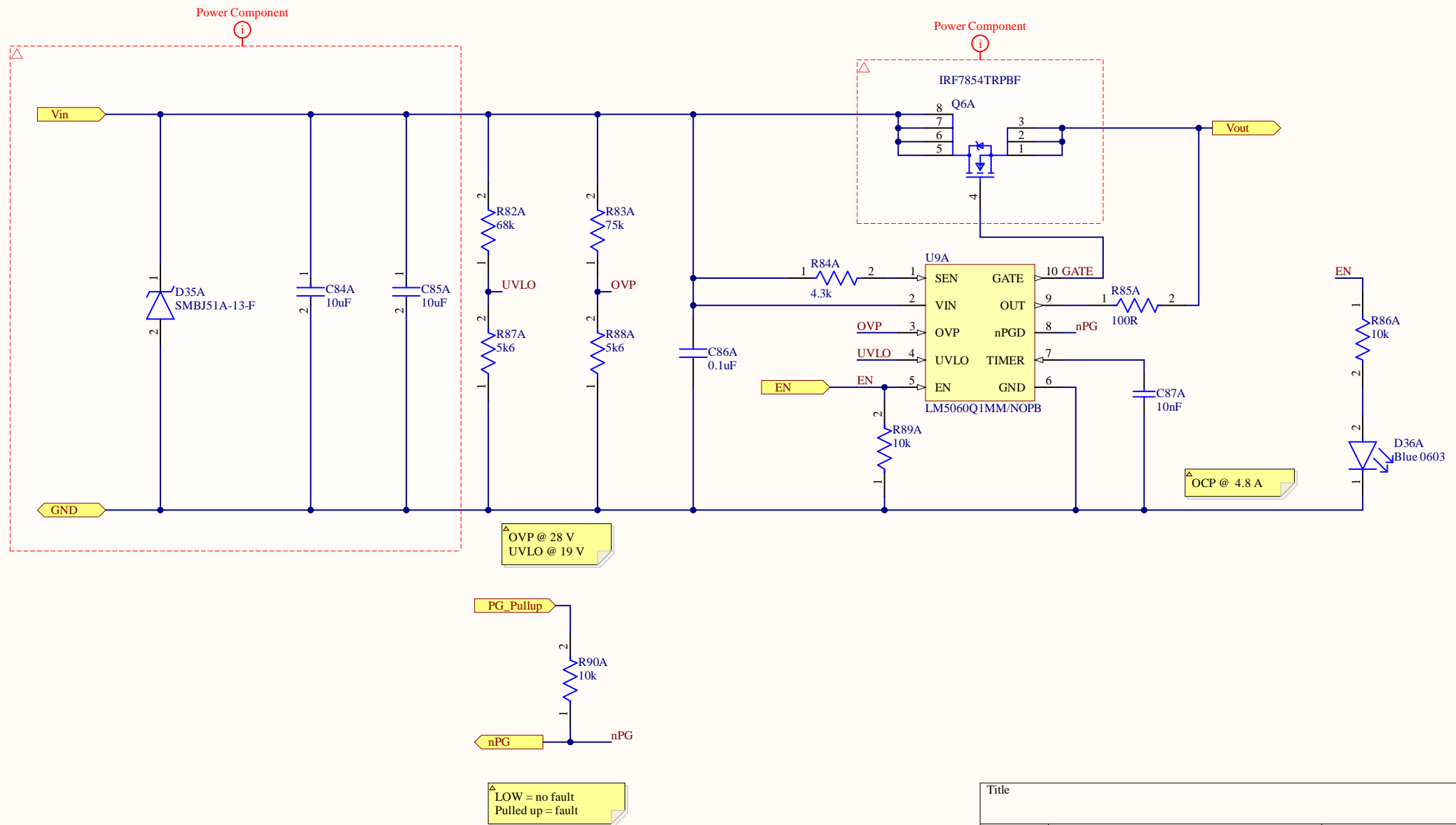


Indicator LEDs



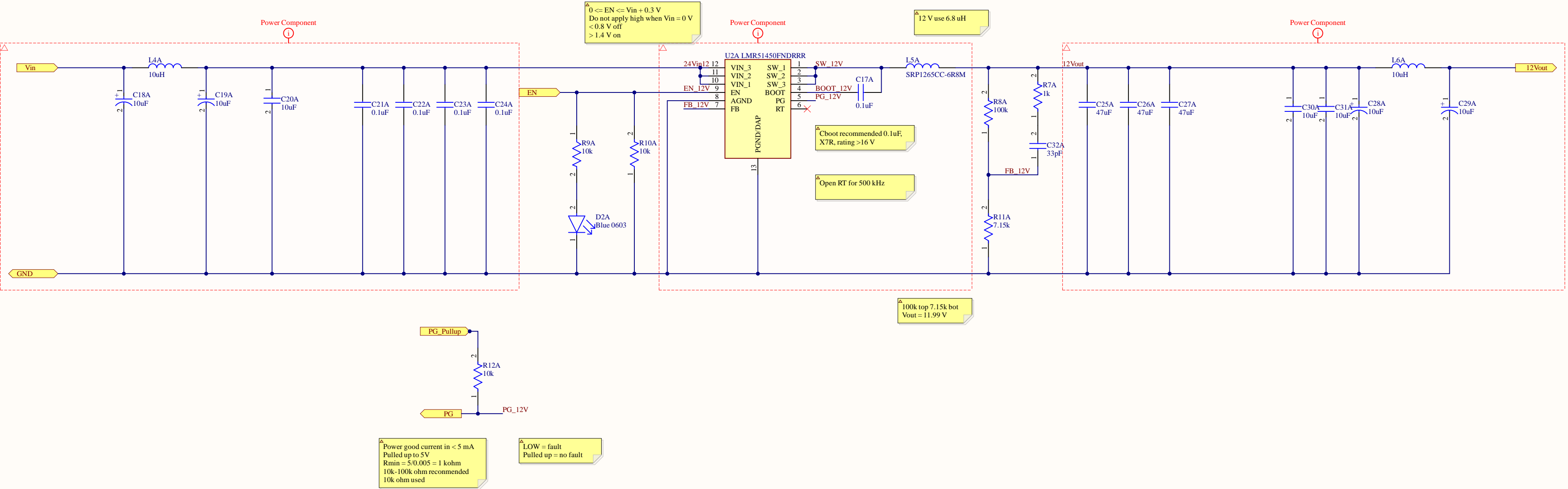
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Date	12/10/2024	Sheet of
File	ATMEGA2560_CAN_SchDoc	Drawn By:

LM5060Q1 24V 4A Load Switch



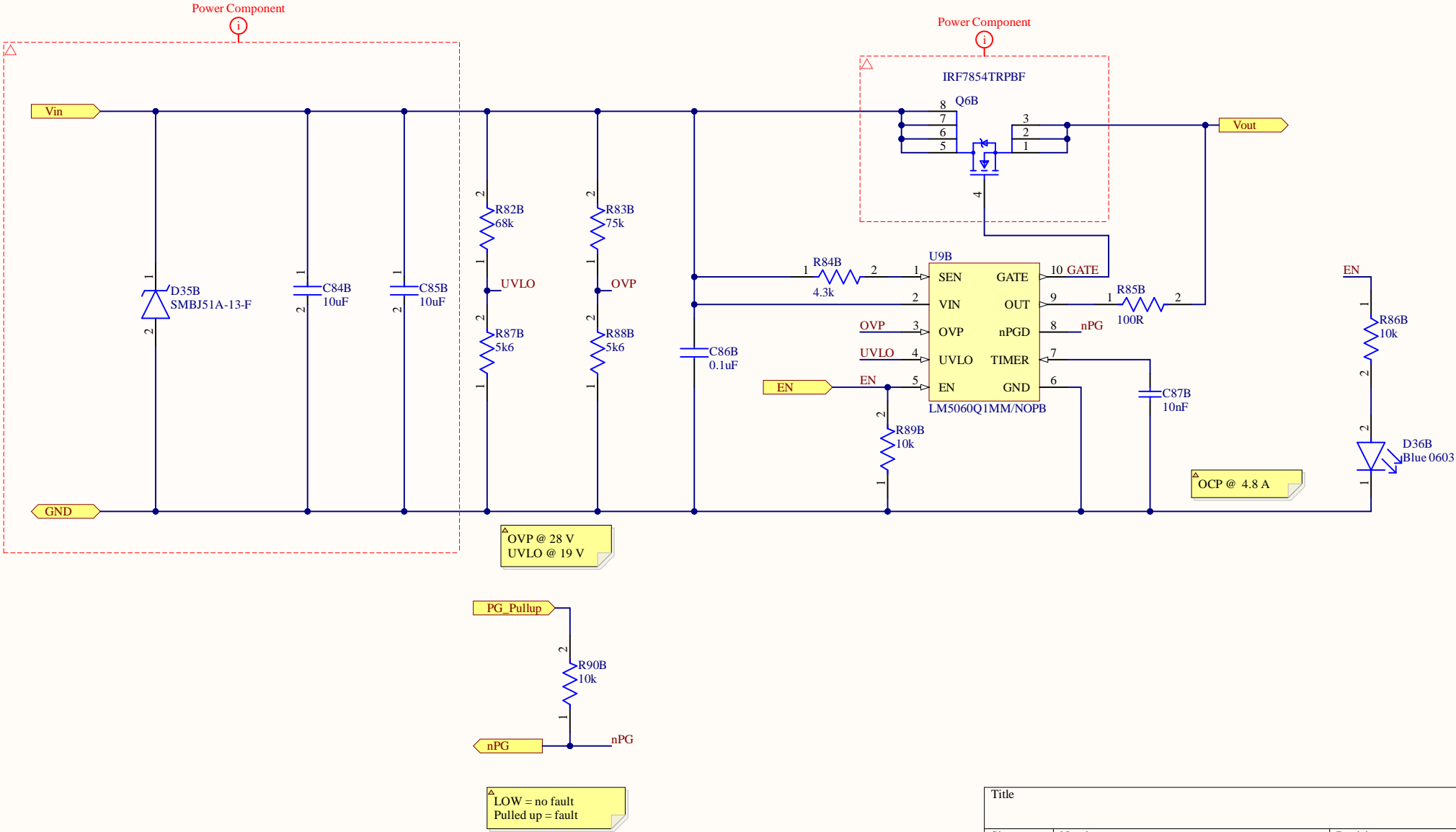
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LMR51450 24V - 12V 4A



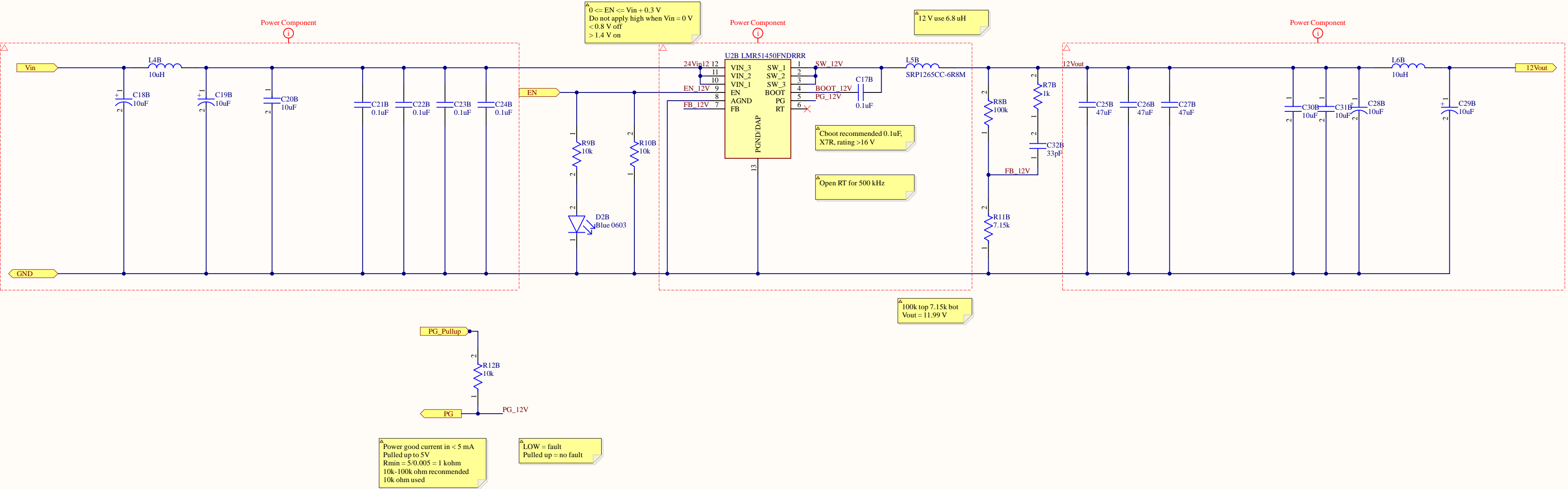
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Size	Number	Revision
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Date:	12/10/2024	Sheet of
File:	24V to 12V 4A LMR51450FNDRRR Buck	6

LM5060Q1 24V 4A Load Switch



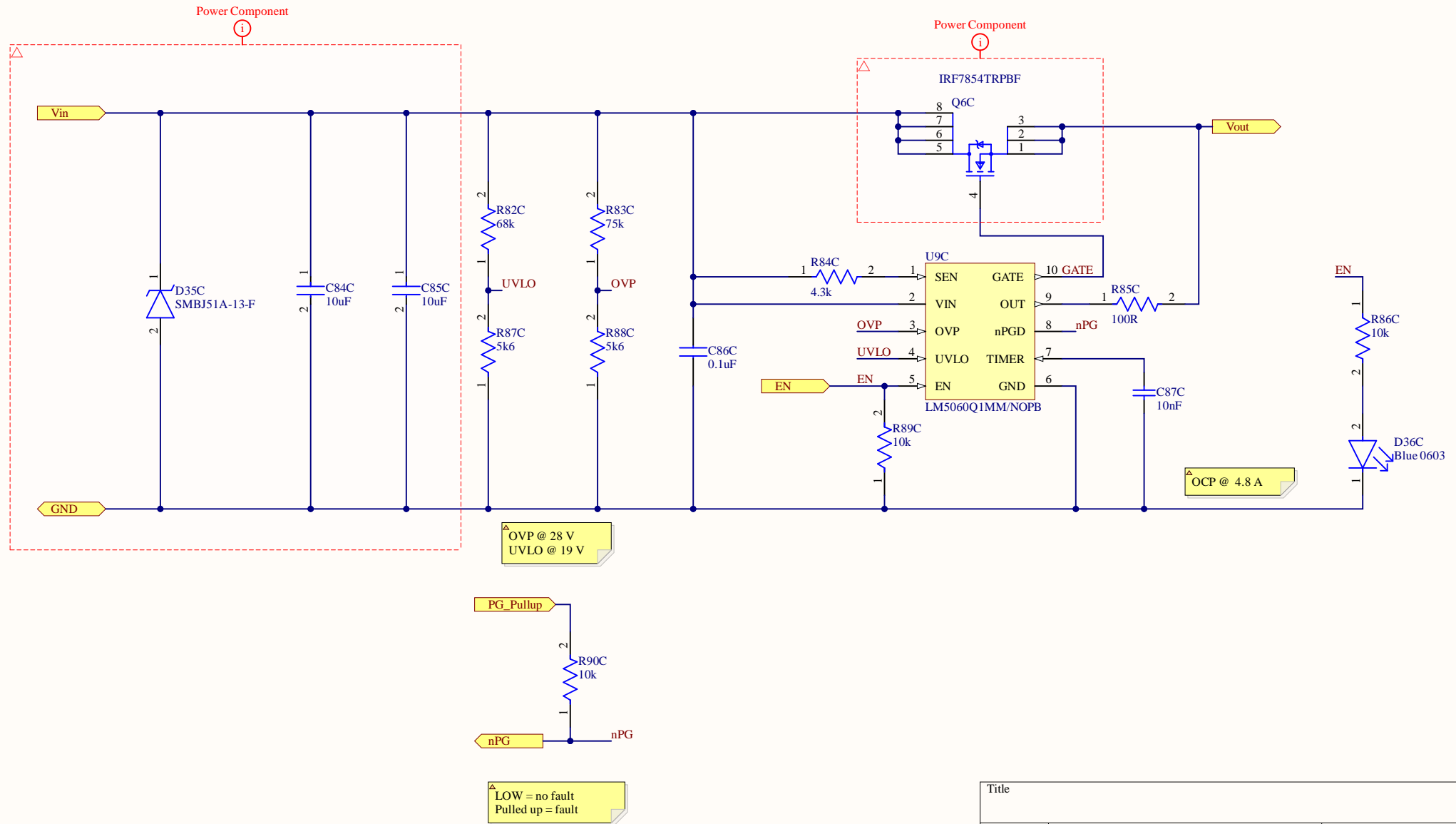
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File:	LM5060Q1 24V 4A Load Switch.SchDoc	Drawn By:

LMR51450 24V - 12V 4A



Title		
Size	Number	Revision
C		
Date:	12/10/2024	Sheet of
File:	24V to 12V 4A LMR51450FNDRRR Buck Converter	6

LM5060Q1 24V 4A Load Switch



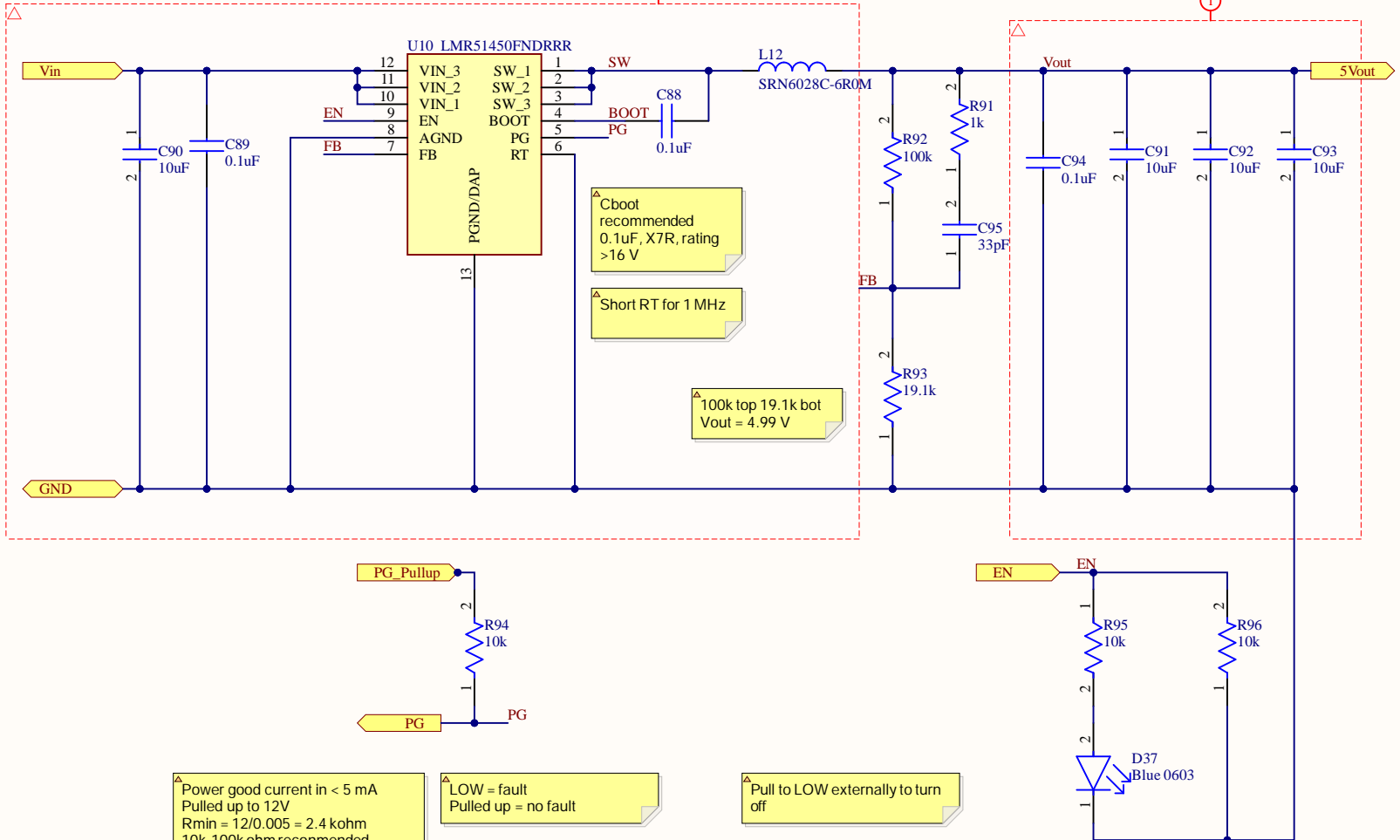
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Date:	12/10/2024	Sheet of
File:	LM5060Q1 24V 4A Load Switch.SchDoc Drawn By:	

LMR51450 24V - 5V 2A

$0 \leq EN \leq V_{in} + 0.3V$
 Do not apply high when $V_{in} = 0V$
 $< 0.8V$ off

Power Component

Power Component



Title		
Size	Number	Revision
A		
Date:	12/10/2024	Sheet of
File:	24V to 5V 2A LMR51450FNDRRR Buck Converter	