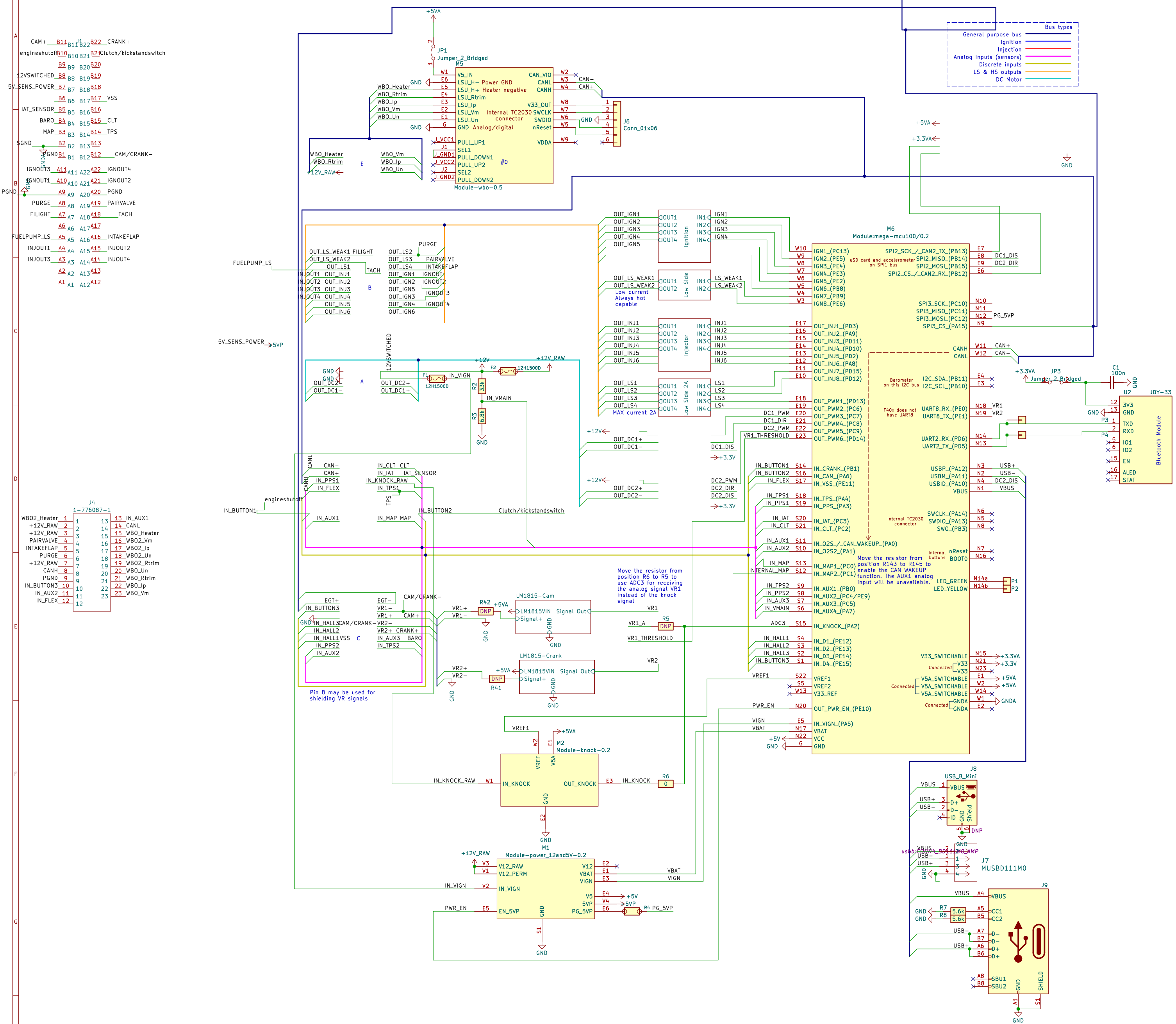


MUST USE DUMB COIL SETUP IN IGNITION SHEET!!!!





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Sheet: /Ignition/
File: IGN6.kicad_sch

Title: UAEFI Ignition

Size: A4

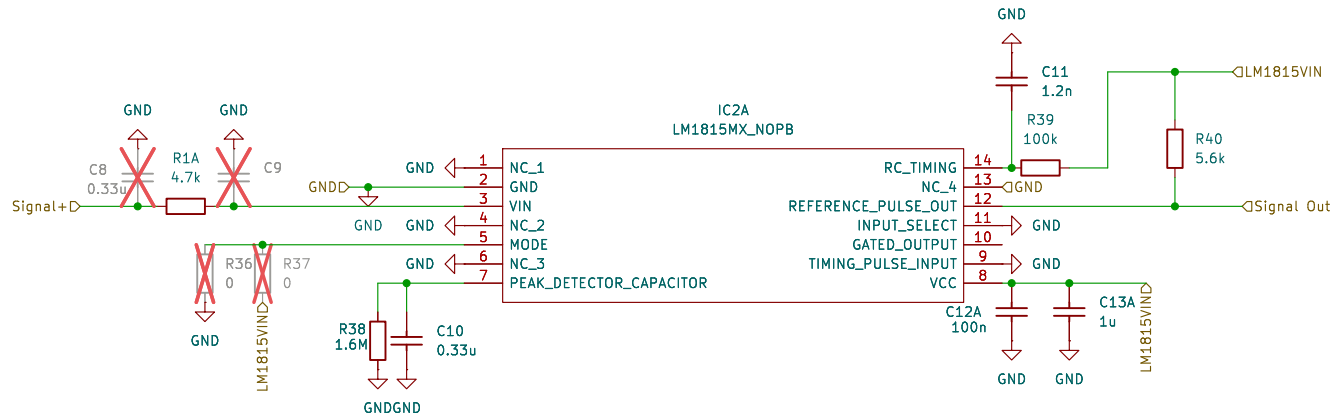
Date: 2023-11-01

Rev:

KiCad E.D.A. 8.0.8

Id: 2/7

$F_{in(max)} = 1/(1.346 \times R28 \times C4)$
Designing for ~15k max RPM to account for badly money shifting
 f_{max} of cam signal is ~1.4khz at 15000 RPM
 $C = 1.23 \times 10^{-9}$, JLCPCB has 1.2nf caps in stock



Sheet: /LM1815-Cam/
File: LM1815-Cam.kicad_sch

Title:

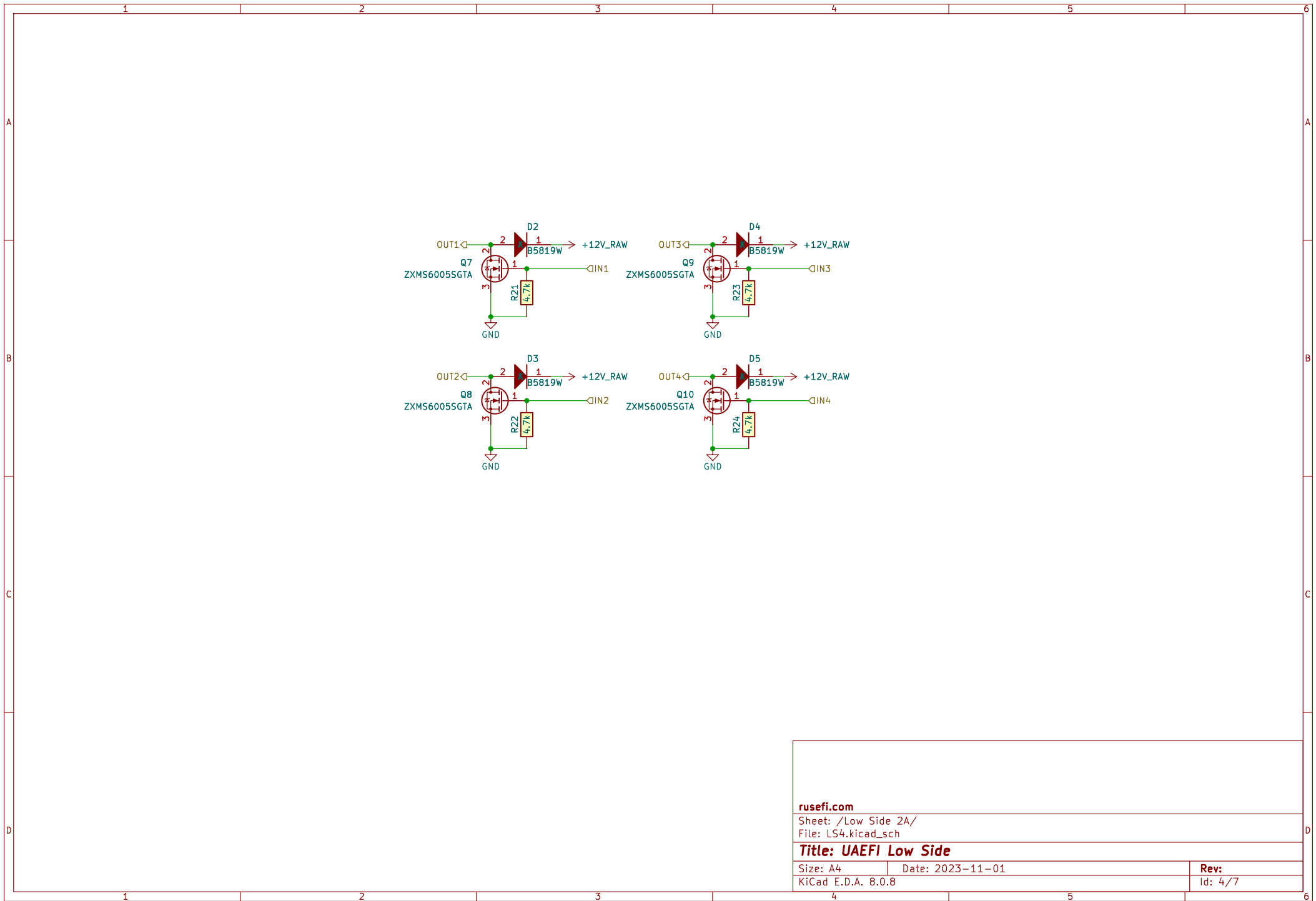
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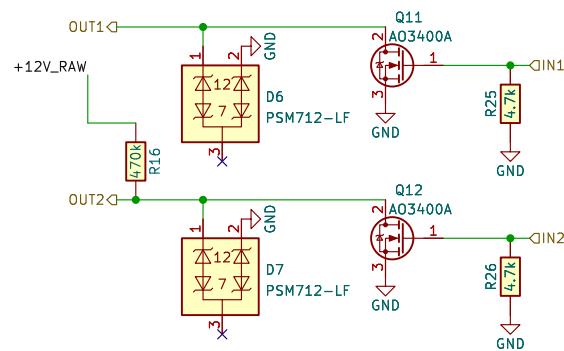
Date:

Rev:

KiCad E.D.A. 8.0.8

Id: 3/7





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Sheet: /Low Side/

File: LS_weak.kicad_sch

Title: UAEF Low Side low current

Size: A4

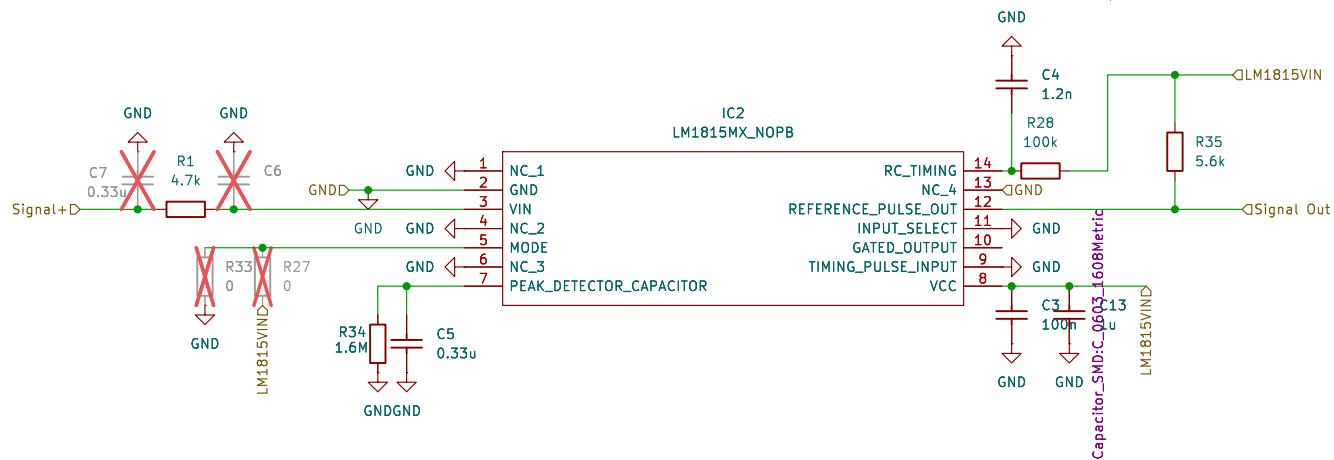
Date: 2023-11-01

Rev:

KiCad E.D.A. 8.0.8

Id: 5/7

$F_{in(max)} = 1 / (1.346 \times R_{28} \times C_4)$
Designing for ~15k max RPM to account for badly money shifting
24 pulse per crankshaft rotation, $F_{in(Max)} = 6000\text{hz}$
 $C = 1.23 \times 10^{-9}$, JLCPCB has 1.2nf caps in stock



Sheet: /LM1815-Crank/
File: LM1815.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. 8.0.8

Rev:

Id: 6/7



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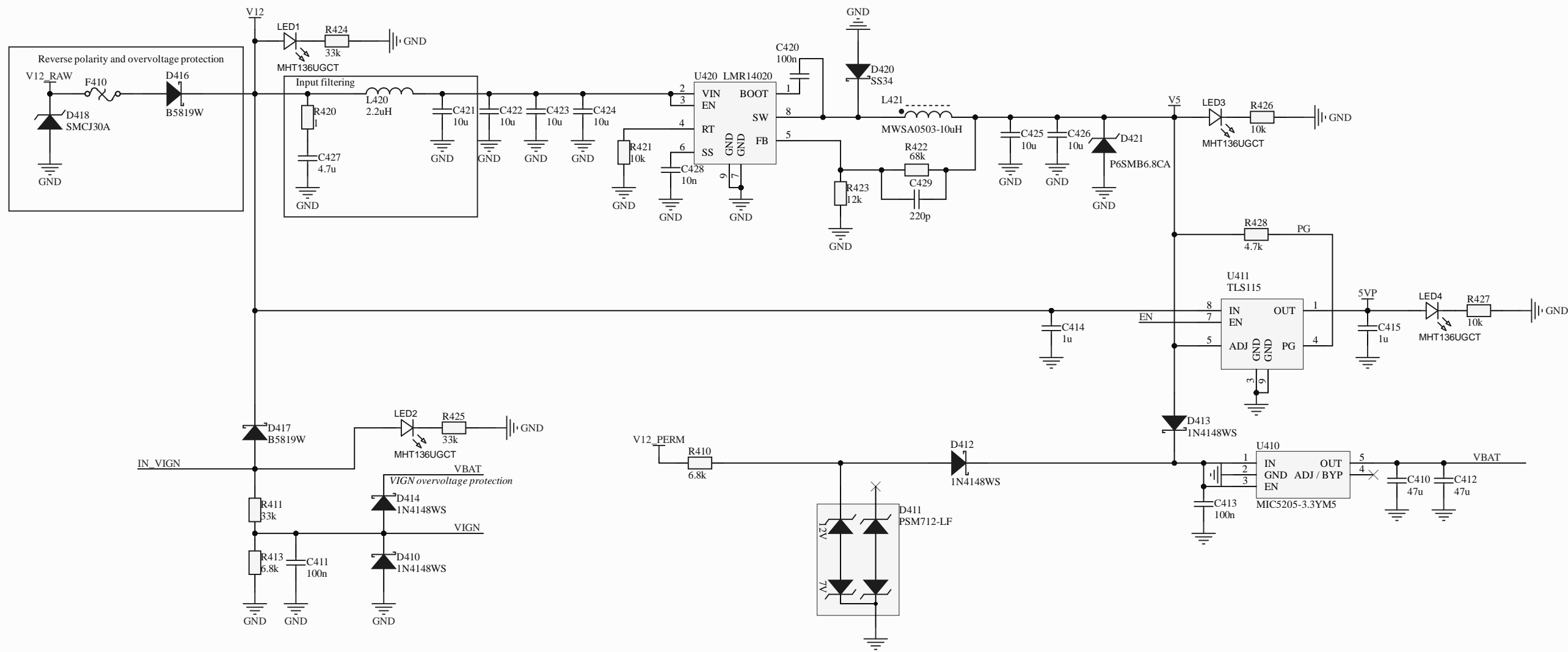
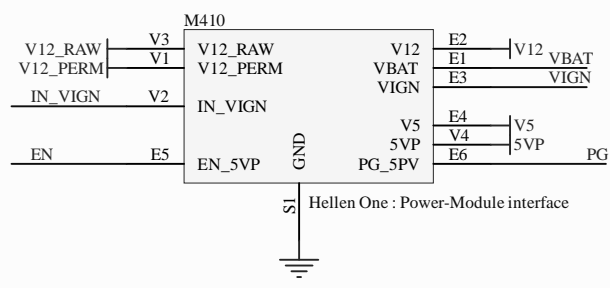
Sheet: /Injector/
File: INJ6.kicad_sch

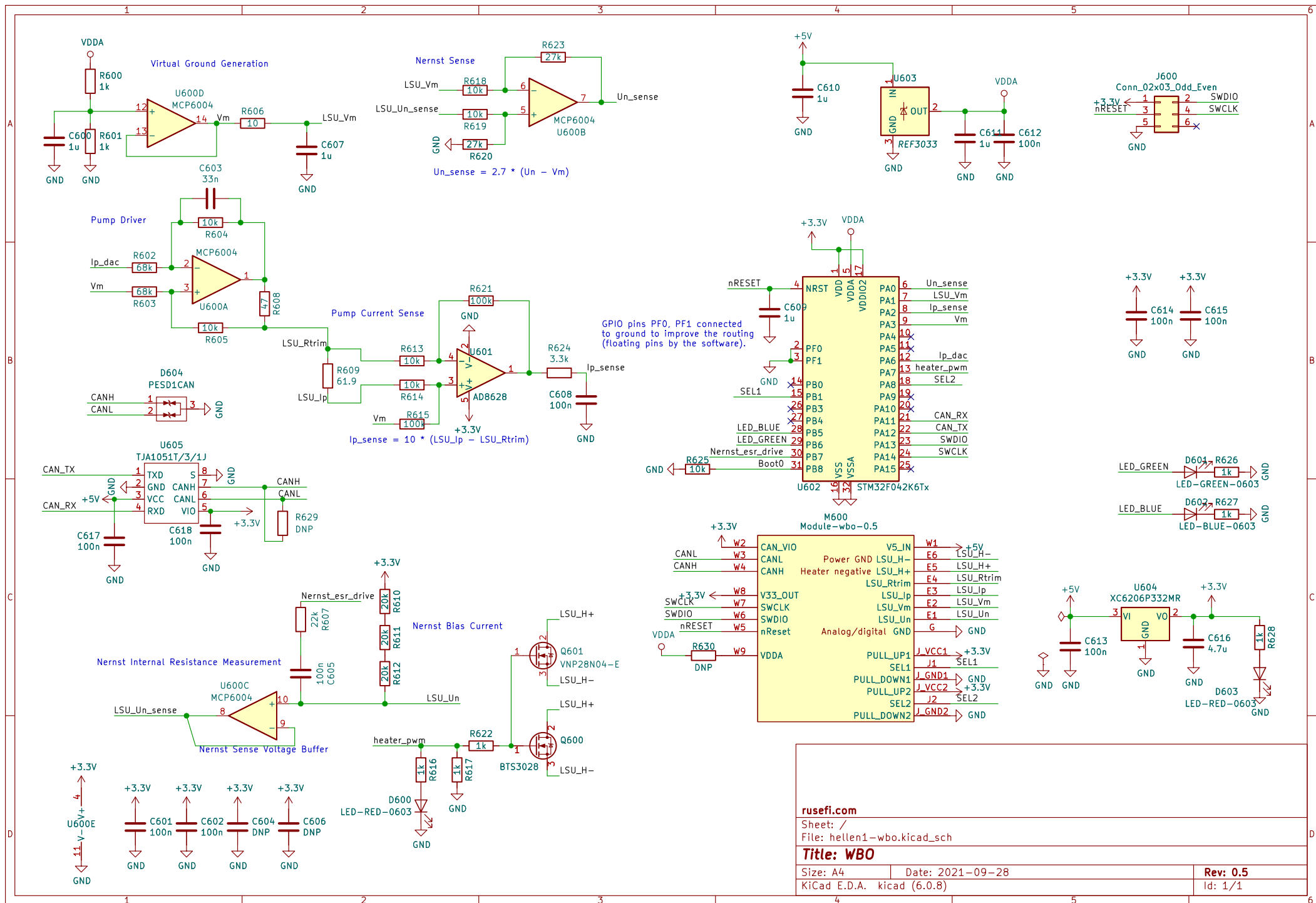
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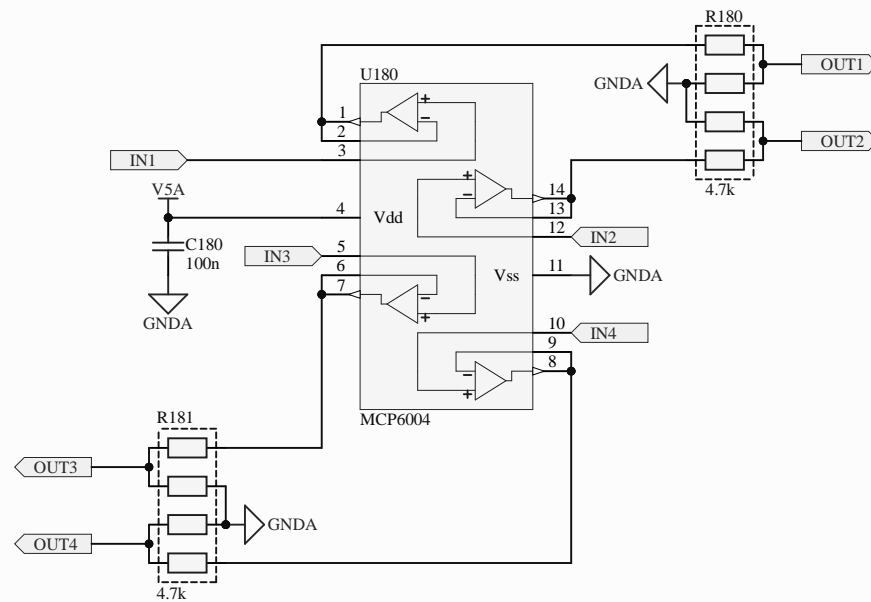
Size: A4 Date: 2023-11-01

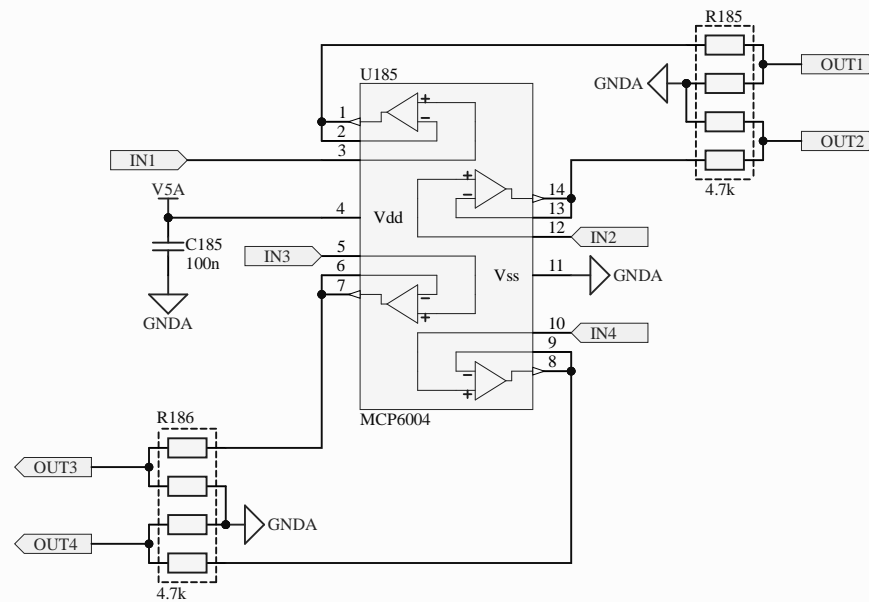
KiCad E.D.A. 8.0.8

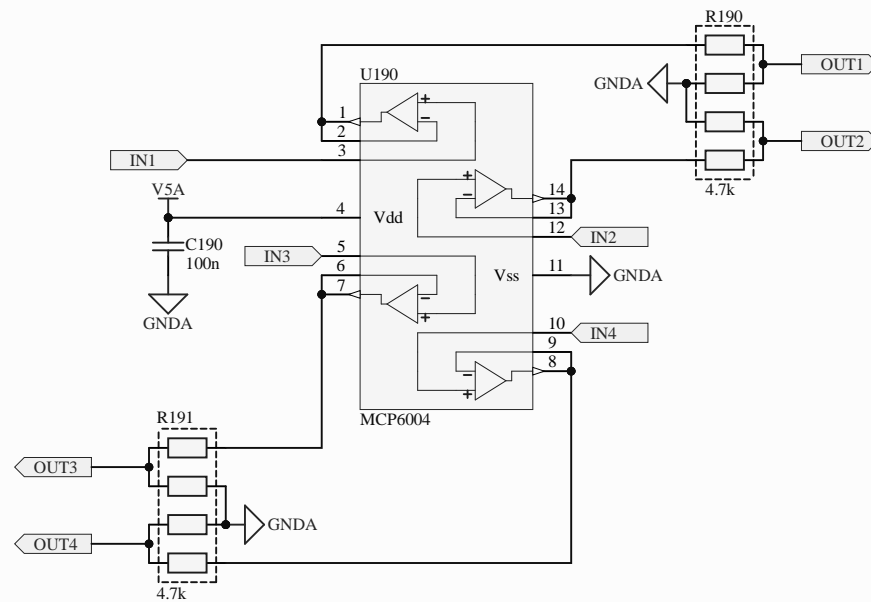
Rev:
Id: 9/7

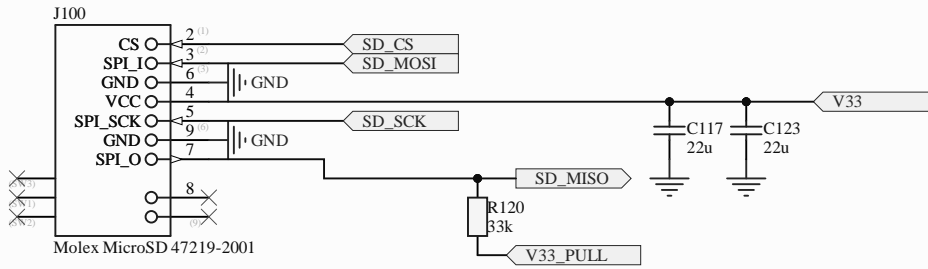


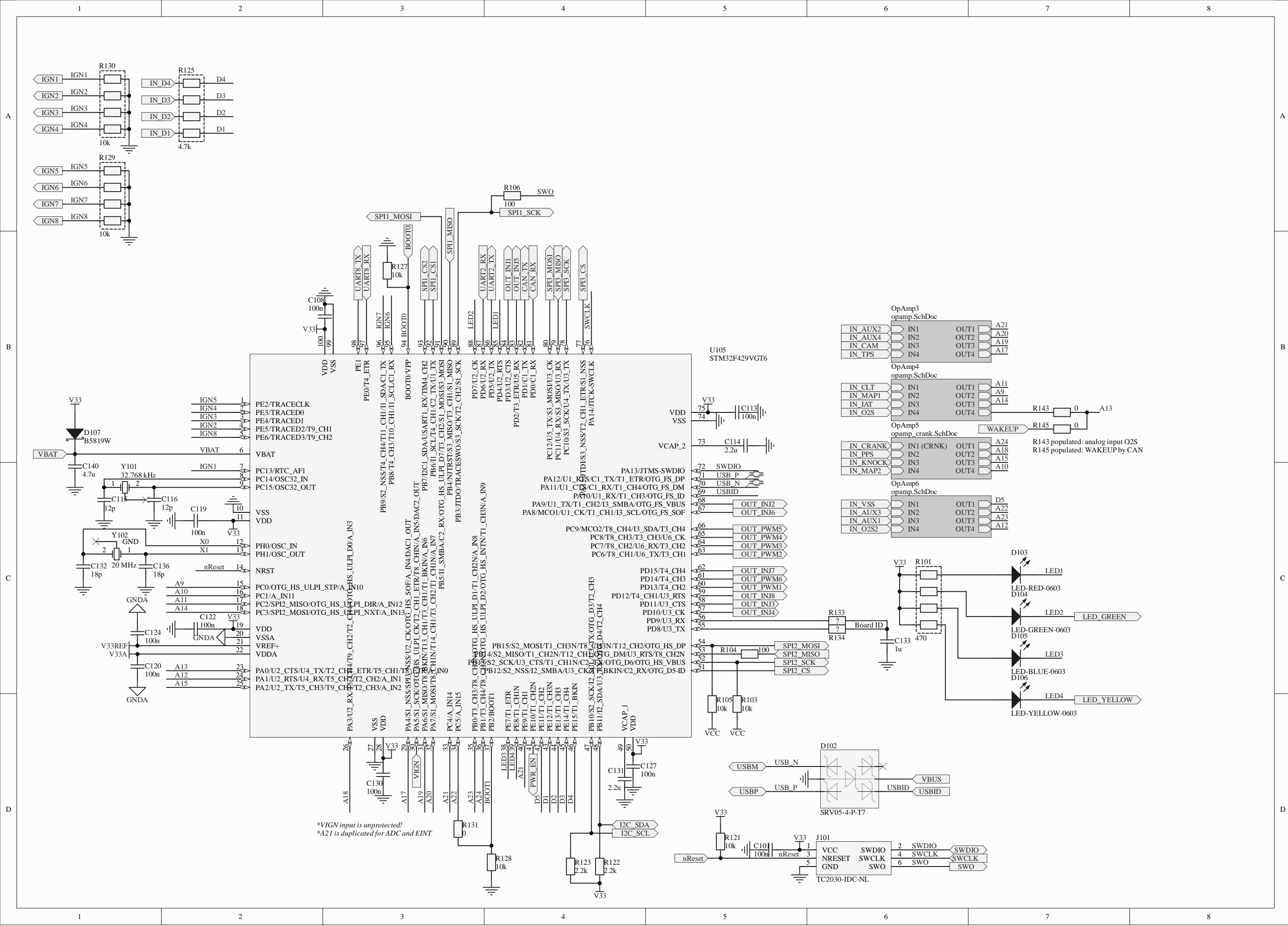












A

A

B

B

C

C

D

D

E

E

F

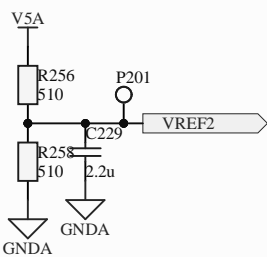
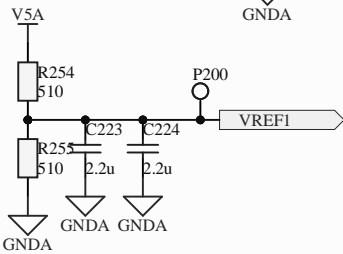
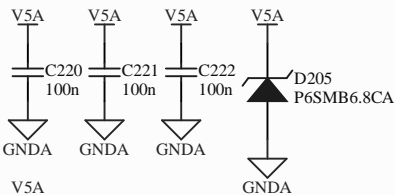
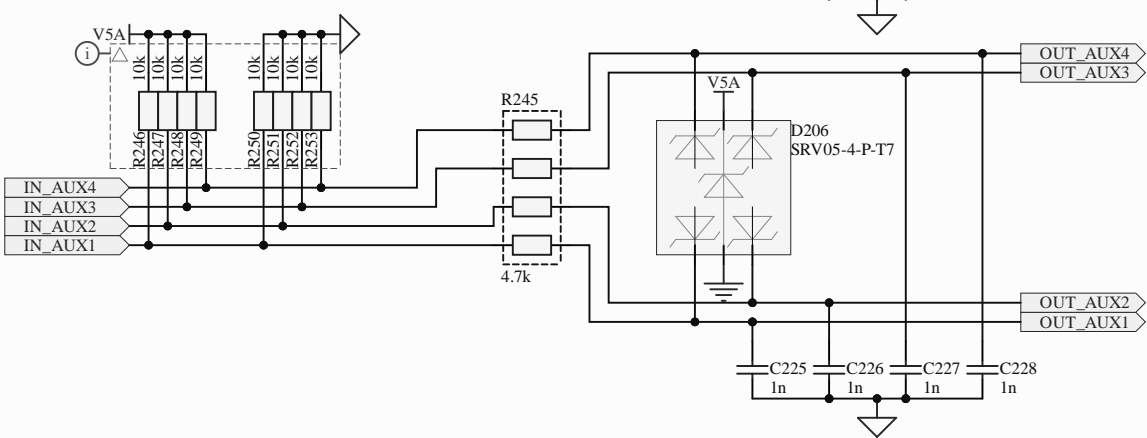
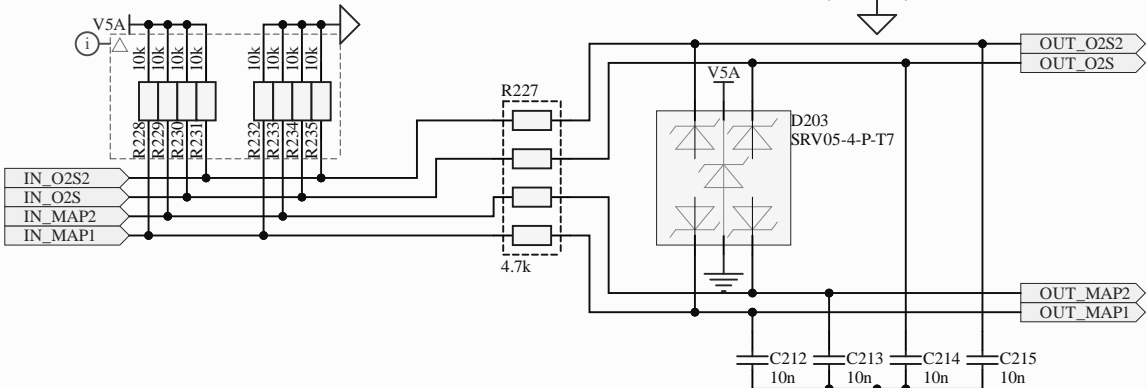
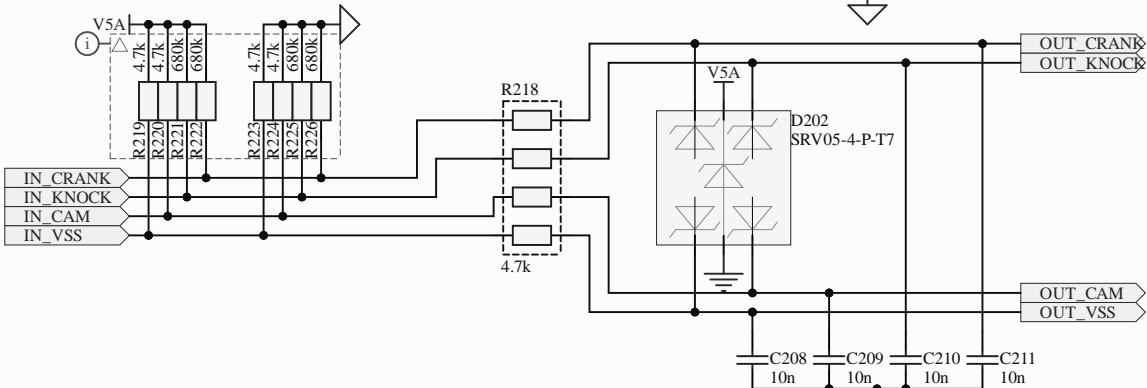
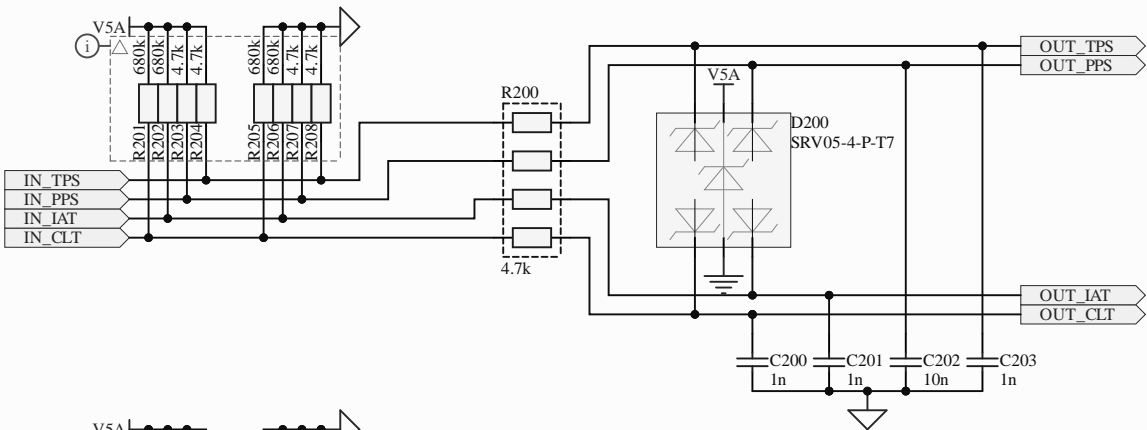
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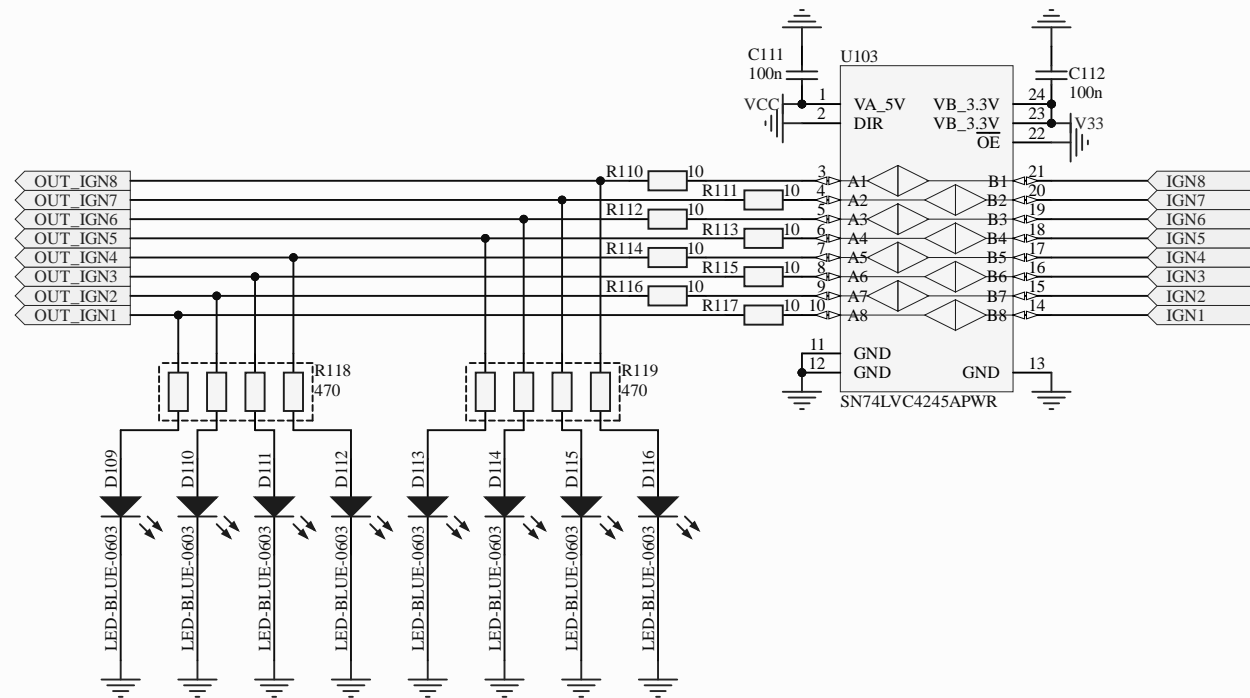
G

G

H

H





A

A

B

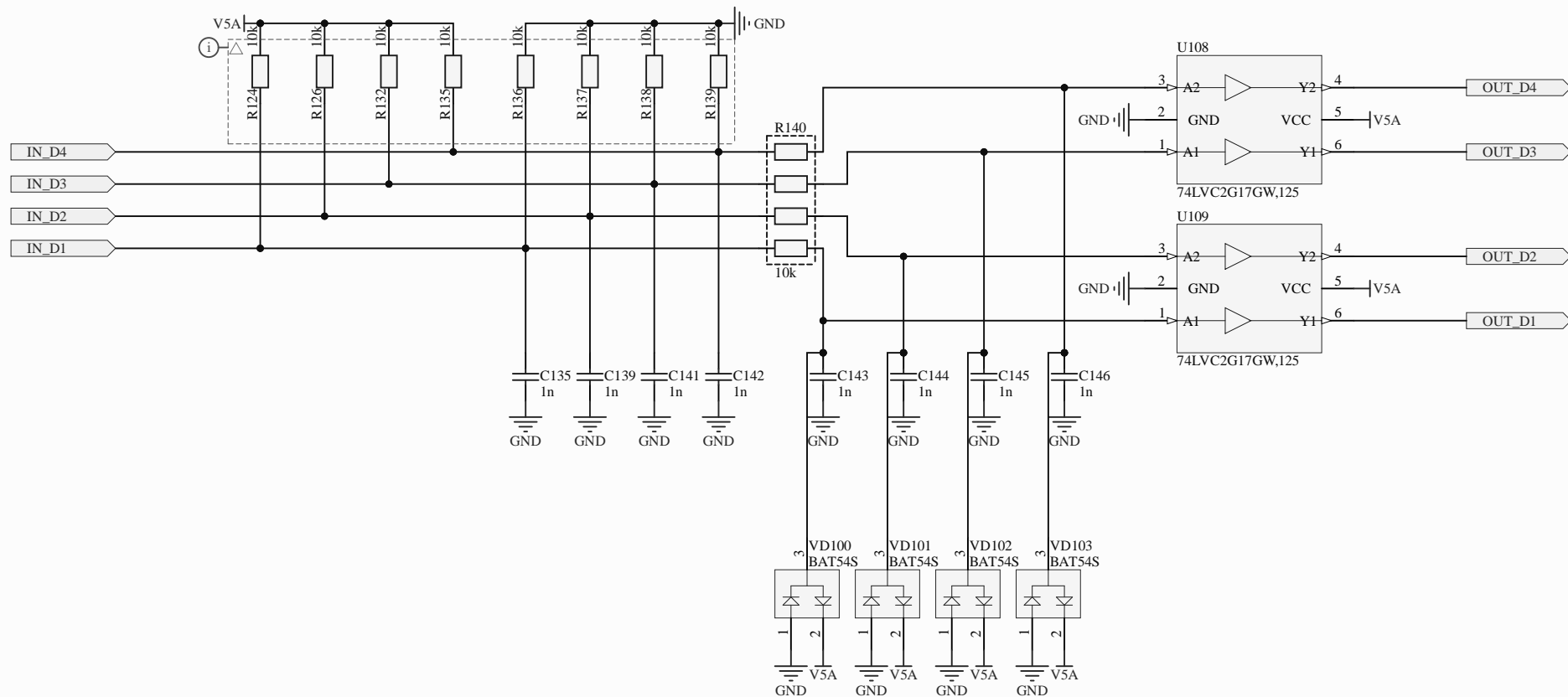
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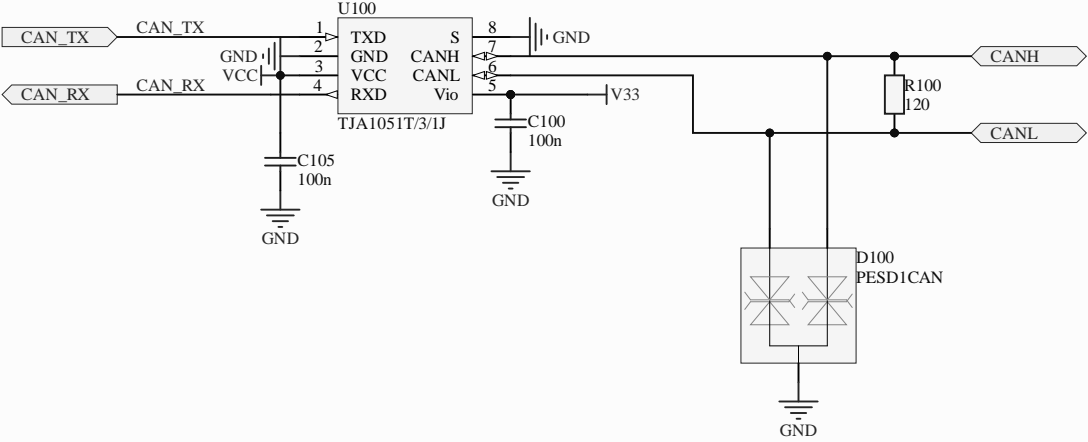
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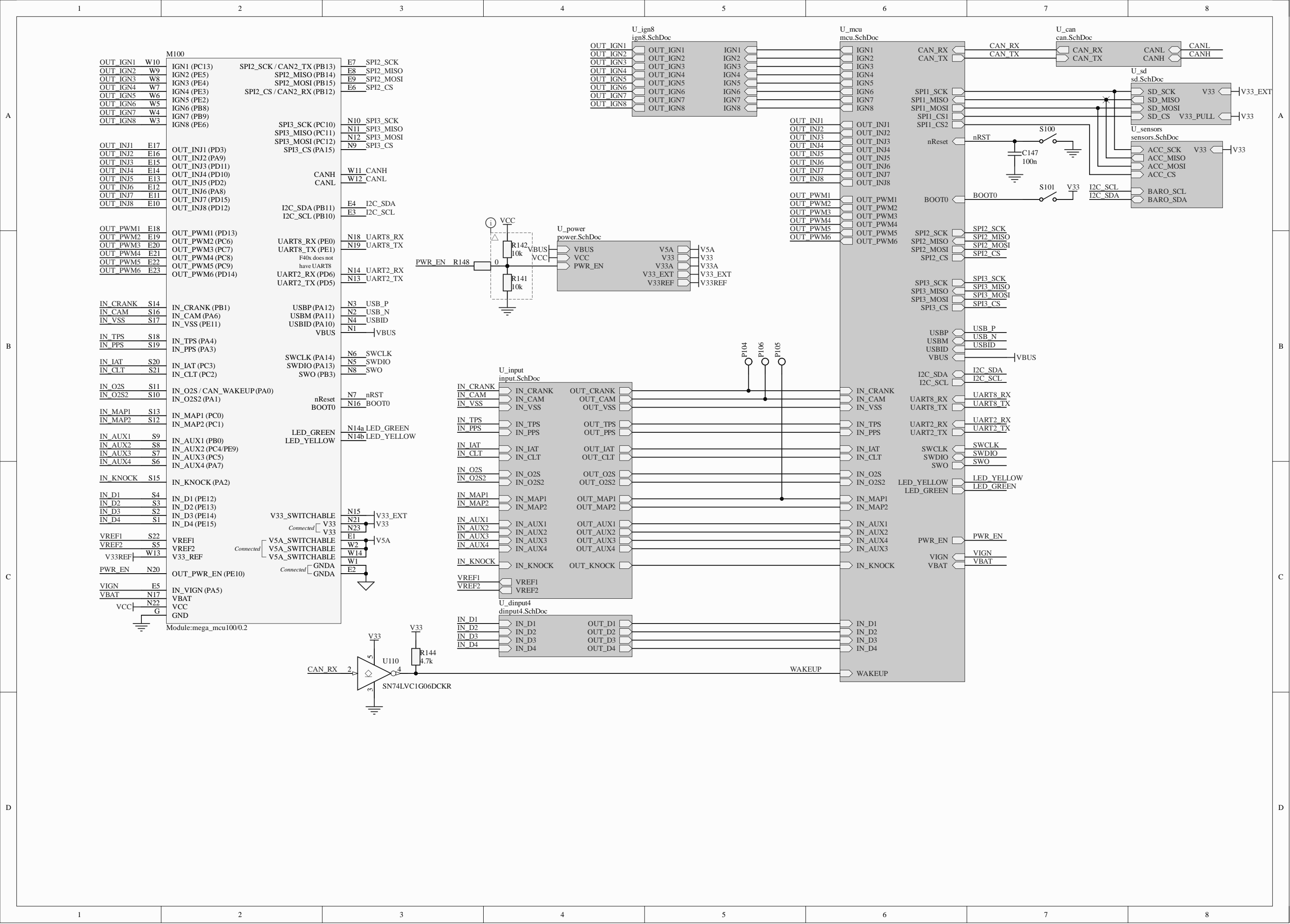
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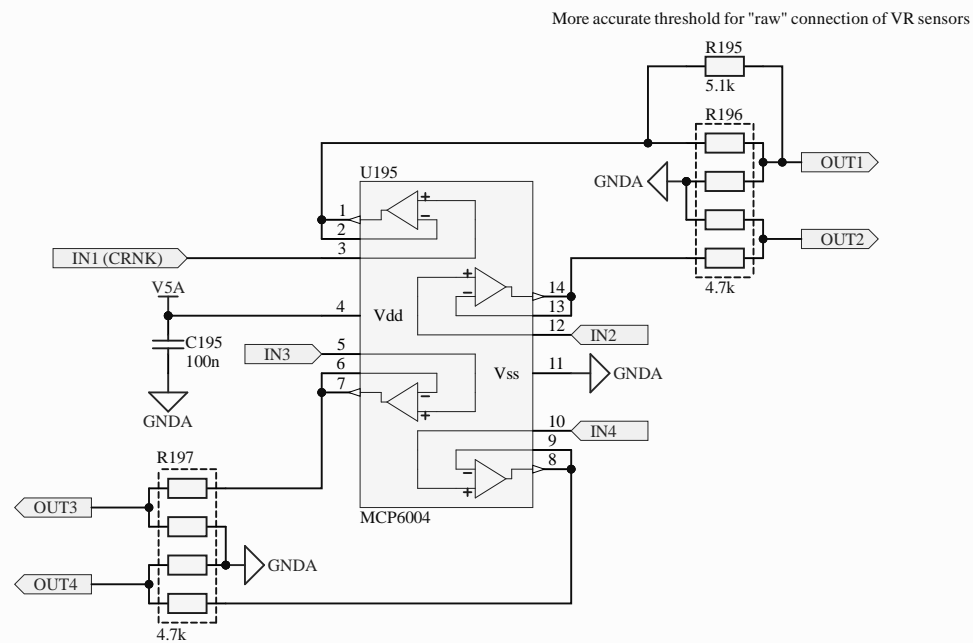
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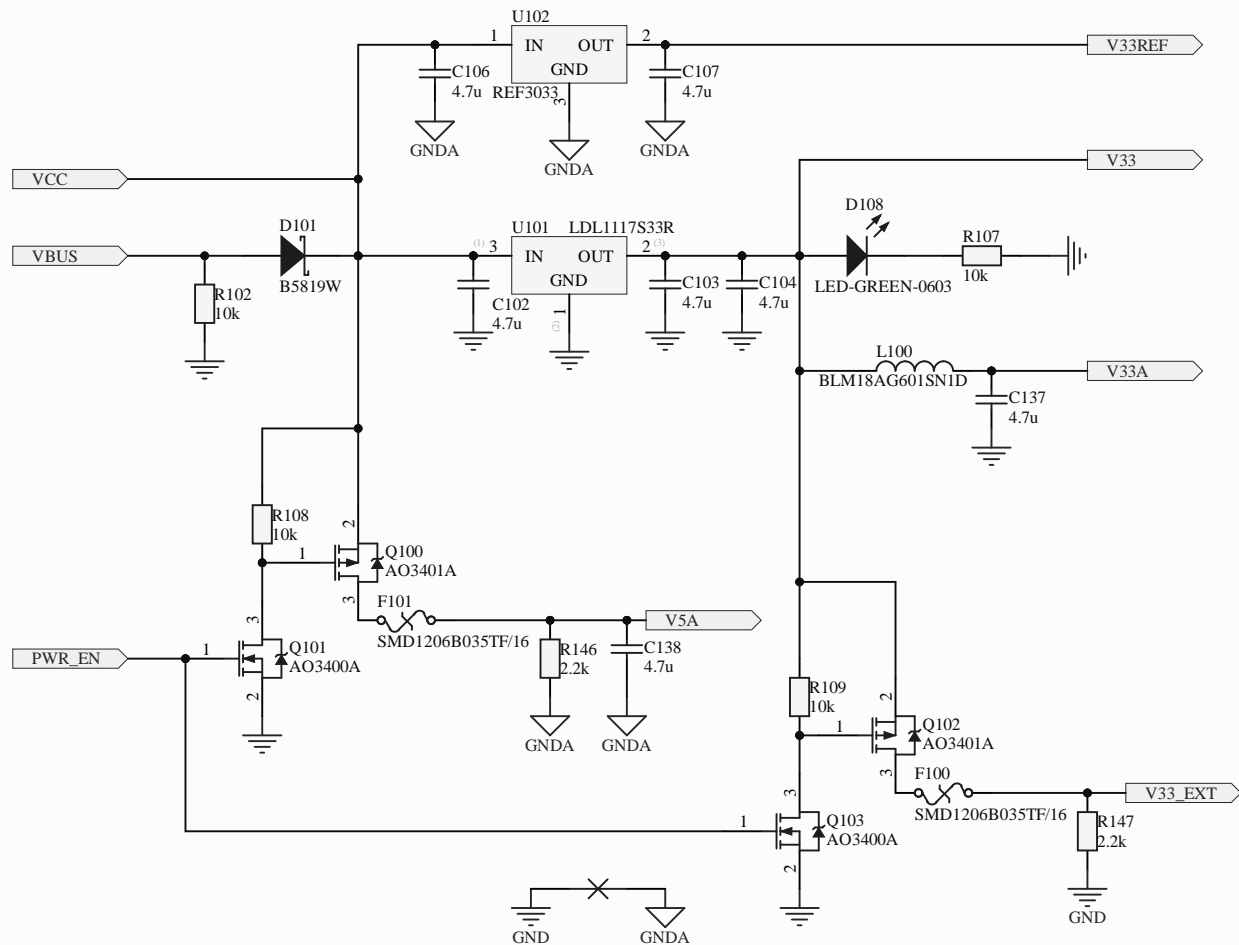
D











Title		
Size	Number	Revision
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Date:	10.28.2023	Sheet of
File:	C:\github\...\power.SchDoc	Drawn By:

