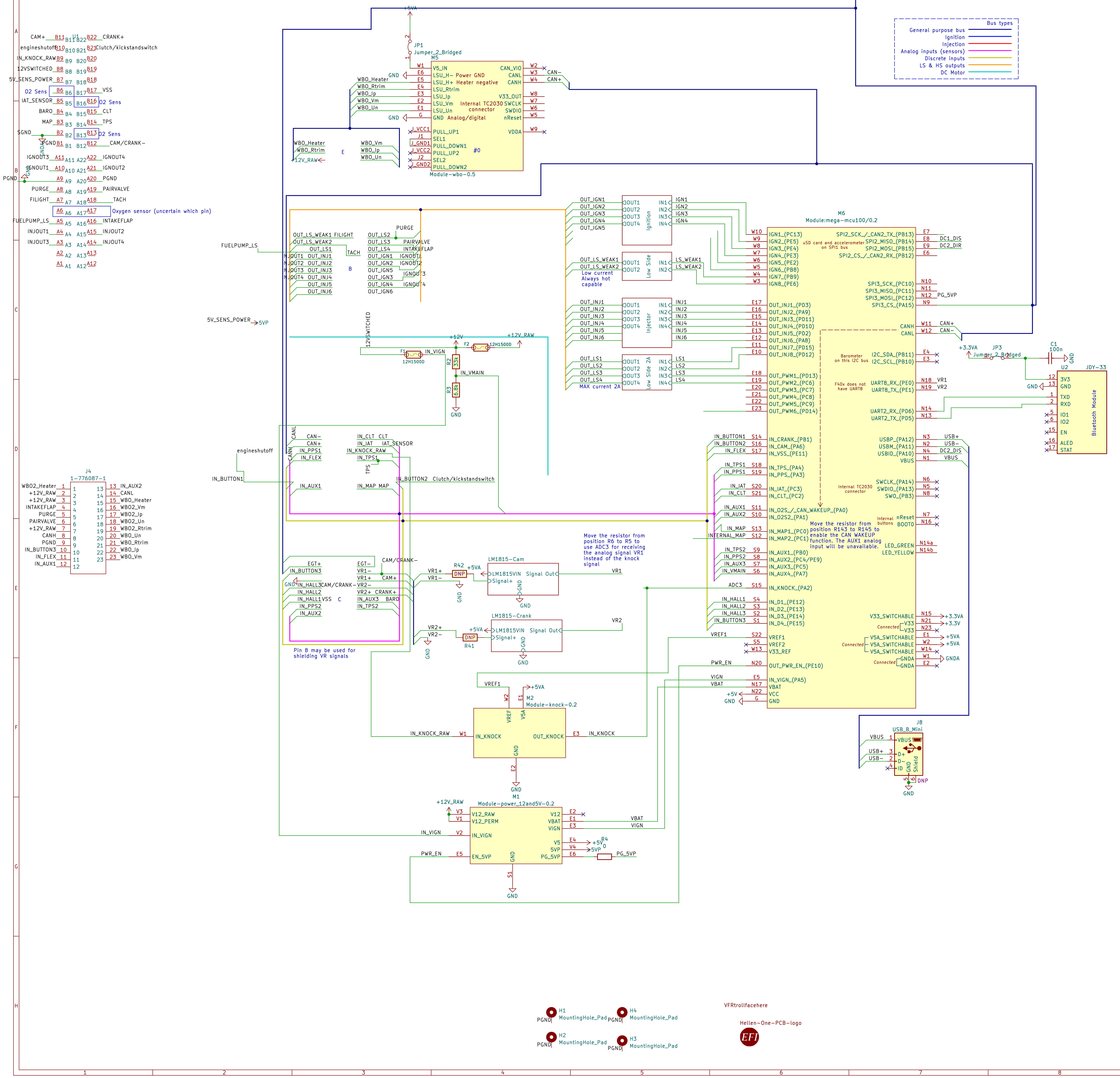
MUST USE DUMB COIL SETUP IN IGNITION SHEET!!!!!

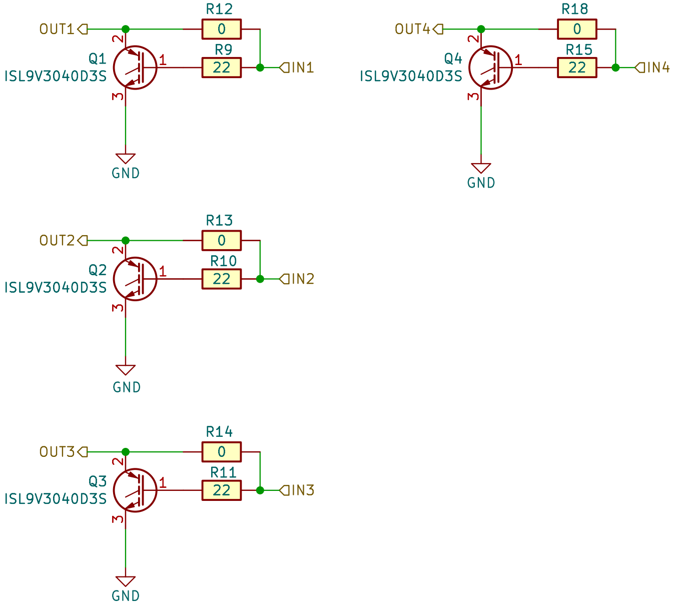


Sheet: /
File: VFRECU-VR.kicad_sch

Title:

Size: A2 Date: Rev:
KiCad E.D.A. 8.0.8 Id: 1/7

Remove R19, R21, R25, R23, R28, R29, and install Q1–Q6 for use with dumb coils



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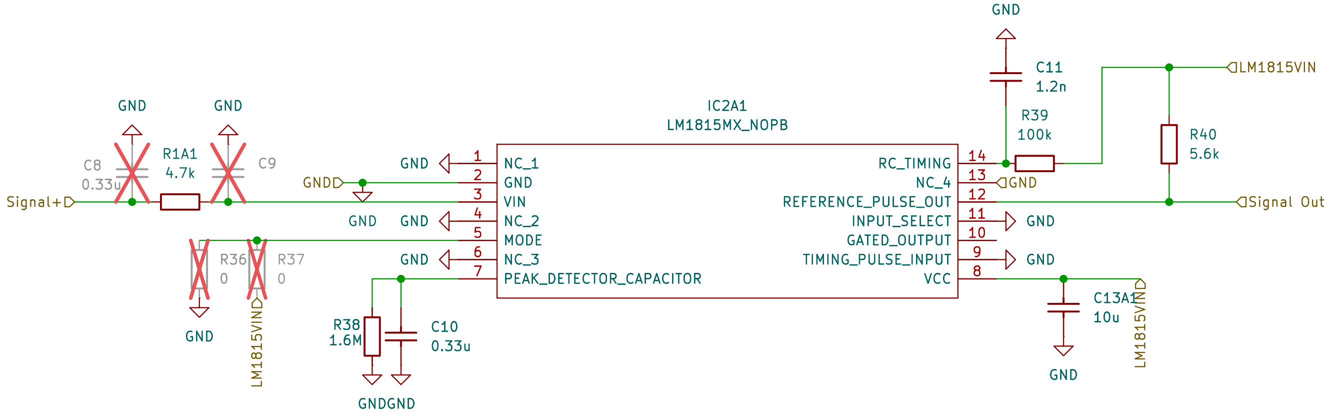
Sheet: /Ignition/
File: IGN6.kicad_sch

Title: UAEFI Ignition

Size: A4
Date: 2023-11-01
Rev:
KiCad E.D.A. 8.0.8
Id: 2/7

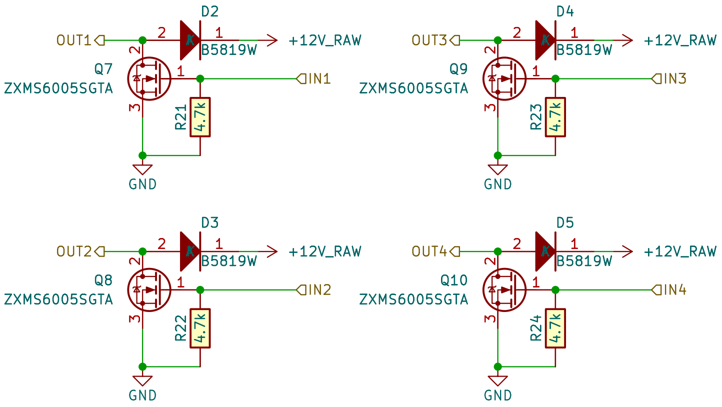
Fin(max) = 1/(1.346 x R28 x C4)
Designing for ~15k max RPM to account for badly money shifting
fmax of cam signal is ~1.4khz at 15000 RPM
C = 1.23*10^-9, JLCPCB has 1.2nf caps in stock



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

Title:

Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.8
Id: 3/7



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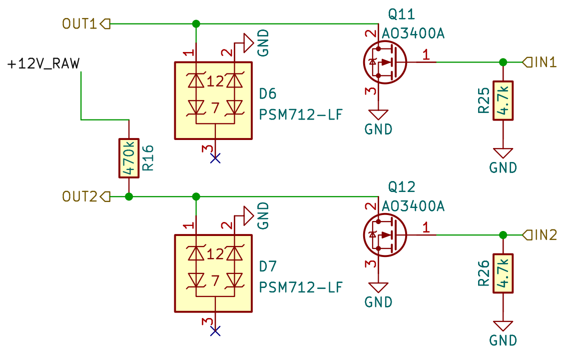
Sheet: /Low Side 2A/
File: LS4.kicad_sch

Title: UAEFI Low Side

Size: A4	Date: 2023-11-01	**Rev:**
KiCad E.D.A. 8.0.8		Id: 4/7



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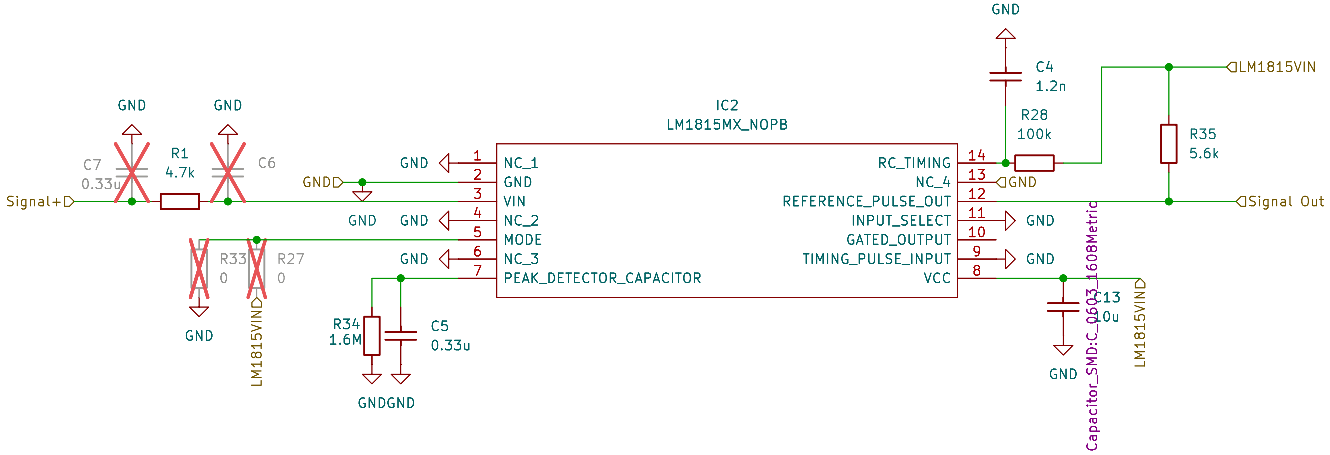
Sheet: /Low Side/
File: LS_weak.kicad_sch

Title: UAEF Low Side low current

Size: A4
Date: 2023-11-01
Rev:
KiCad E.D.A. 8.0.8
Id: 5/7

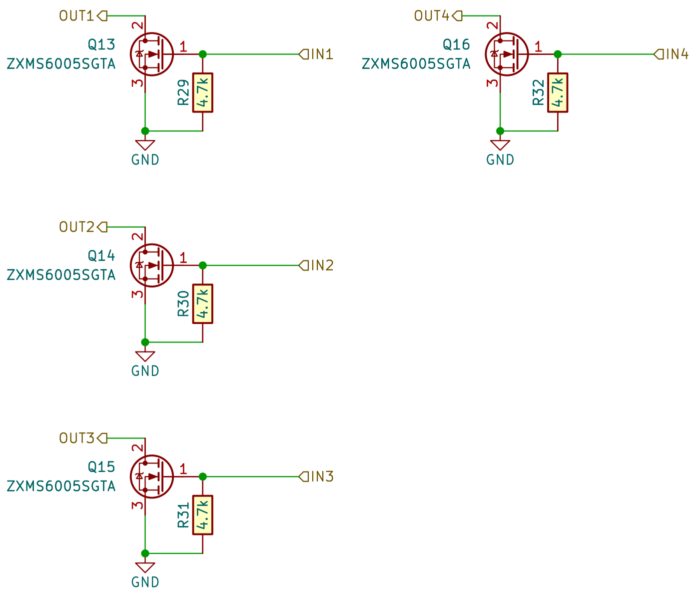
Fin(max) = 1/(1.346 x R28 x C4)
Designing for ~15k max RPM to account for badly money shifting
24 pulse per crankshaft rotation, Fin(Max) = 6000hz
C = 1.23*10^−9, JLCPCB has 1.2nf caps in stock



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

Title:

Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.8
Id: 6/7



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Sheet: /Injector/
File: INJ6.kicad_sch

Title: UAEFI Injector

Size: A4	Date: 2023-11-01	**Rev:**
KiCad E.D.A. 8.0.8		Id: 9/7