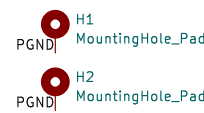
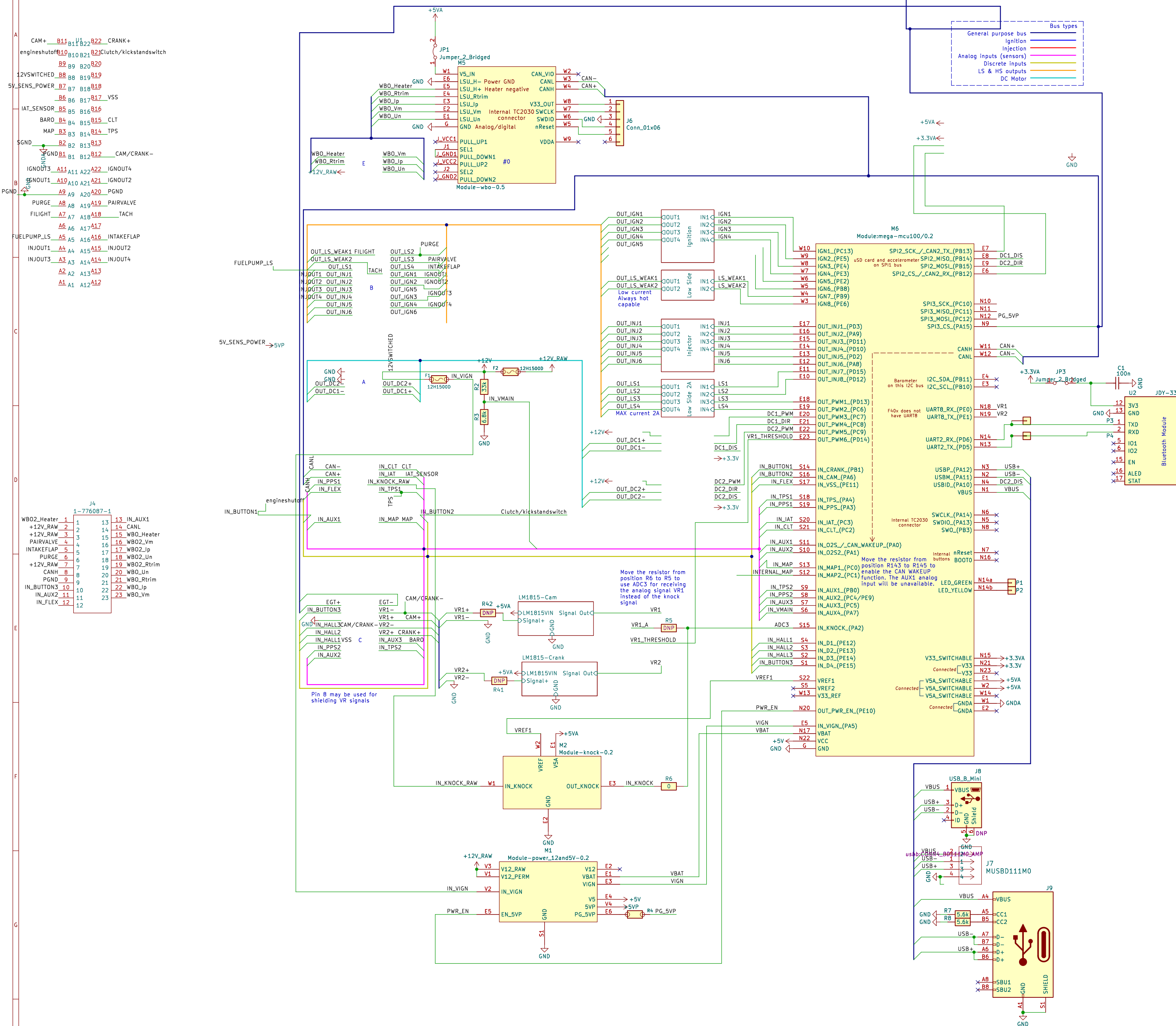


# MUST USE DUMB COIL SETUP IN IGNITION SHEET!!!!



VFRtrollfacehere

Hellen-One-PCB-Logo



Sheet: /  
File: VFRECU-VR.kicad\_sch

Title:

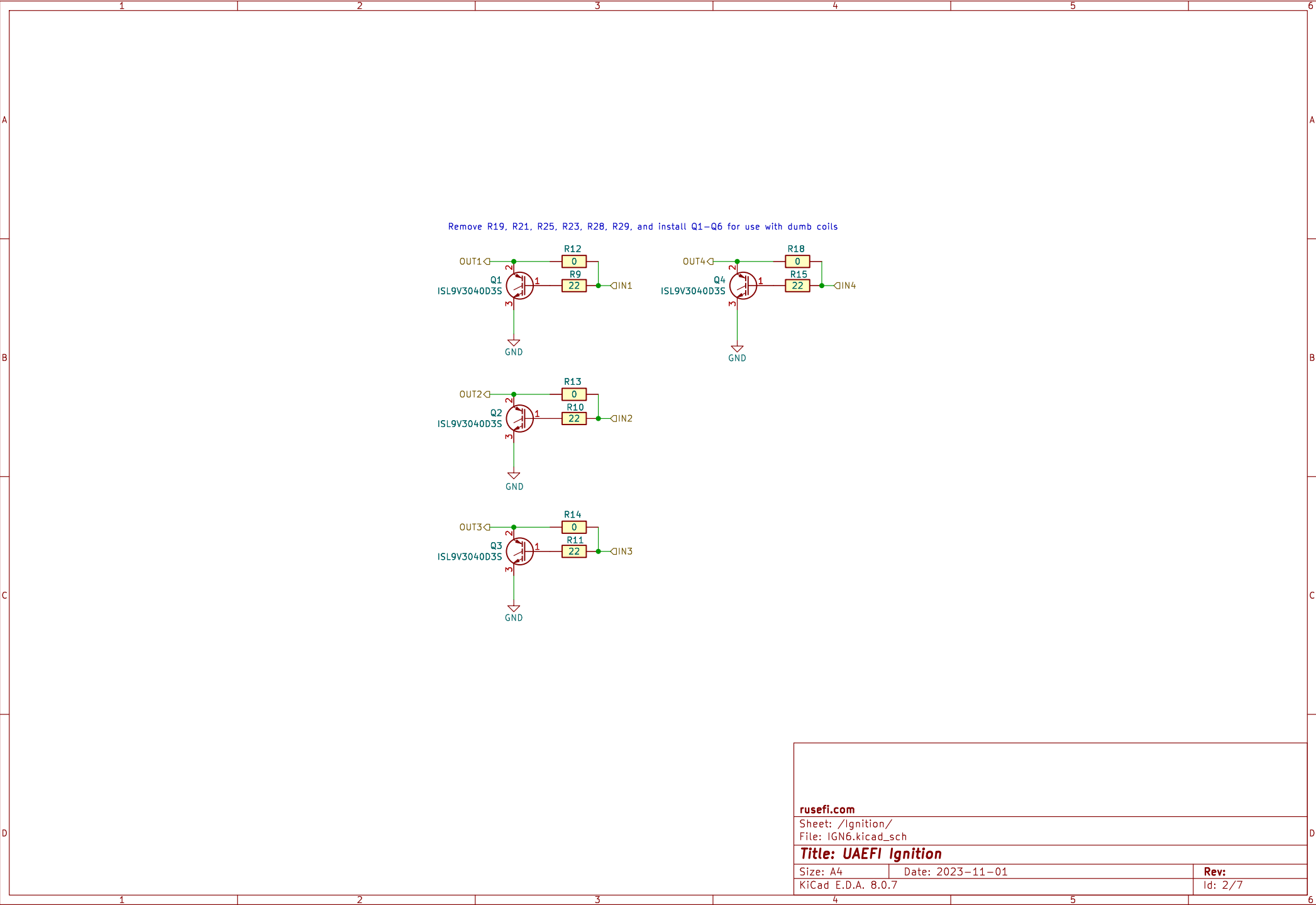
Size: A2

Date:

Rev:

KiCad E.D.A. B.0.7

Id: 1/7



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Sheet: /Ignition/  
File: IGN6.kicad\_sch

**Title: UAEFI Ignition**

Size: A4

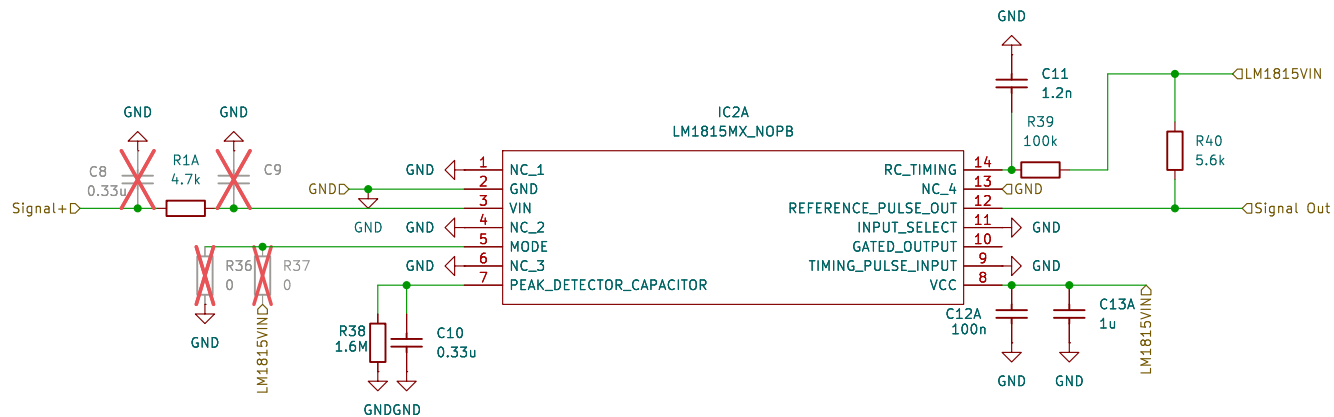
Date: 2023-11-01

Rev:

KiCad E.D.A. 8.0.7

Id: 2/7

$F_{in(max)} = 1/(1.346 \times R_{28} \times C_4)$   
 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:**

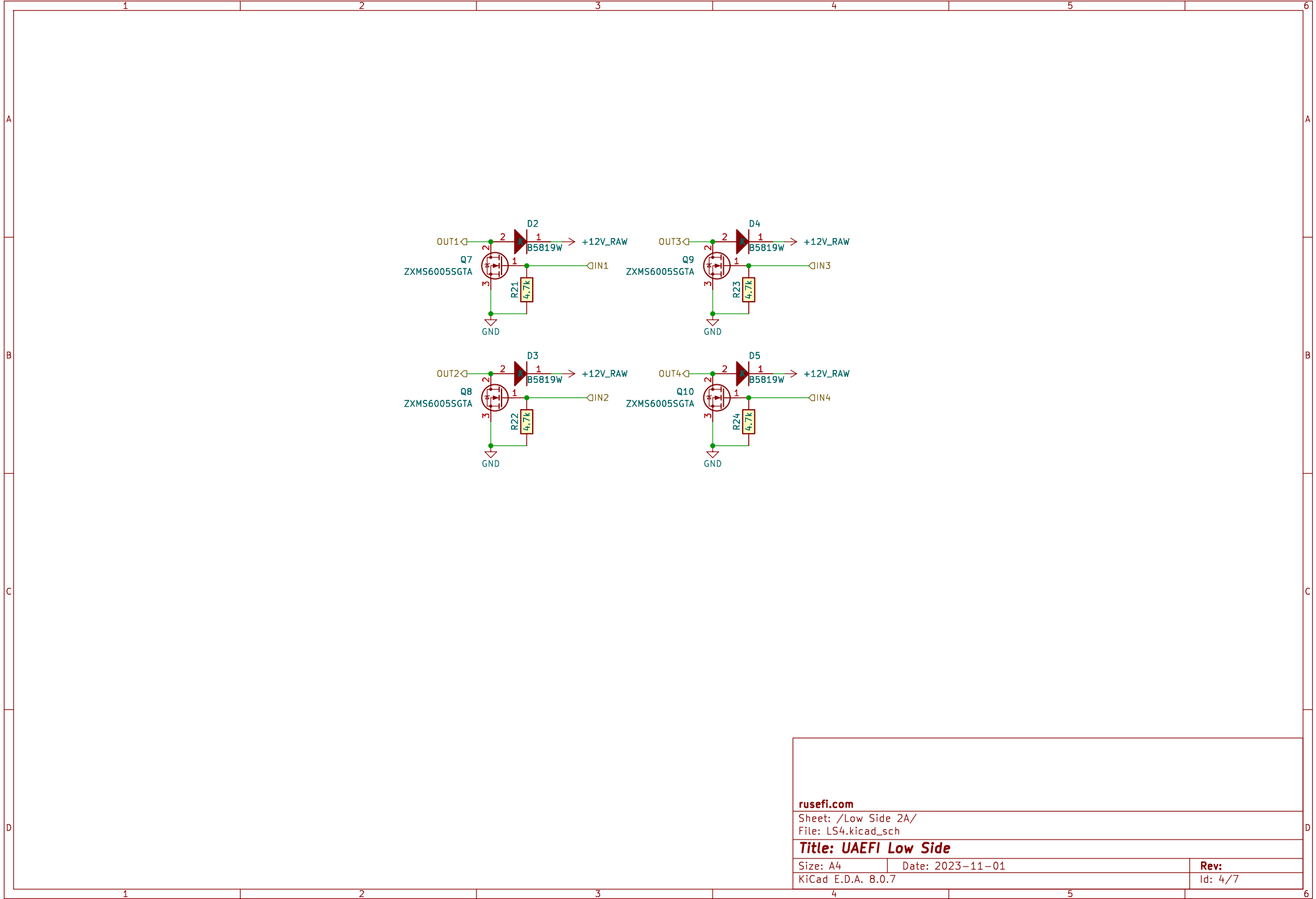
Size: A4

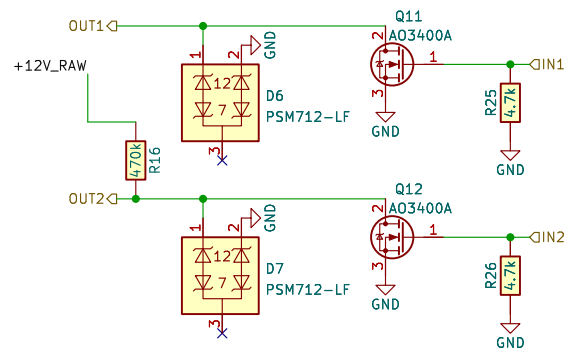
Date:

KiCad E.D.A. 8.0.7

**Rev:**

Id: 3/7





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Sheet: /Low Side/

File: LS\_weak.kicad\_sch

**Title: UAEF Low Side low current**

Size: A4

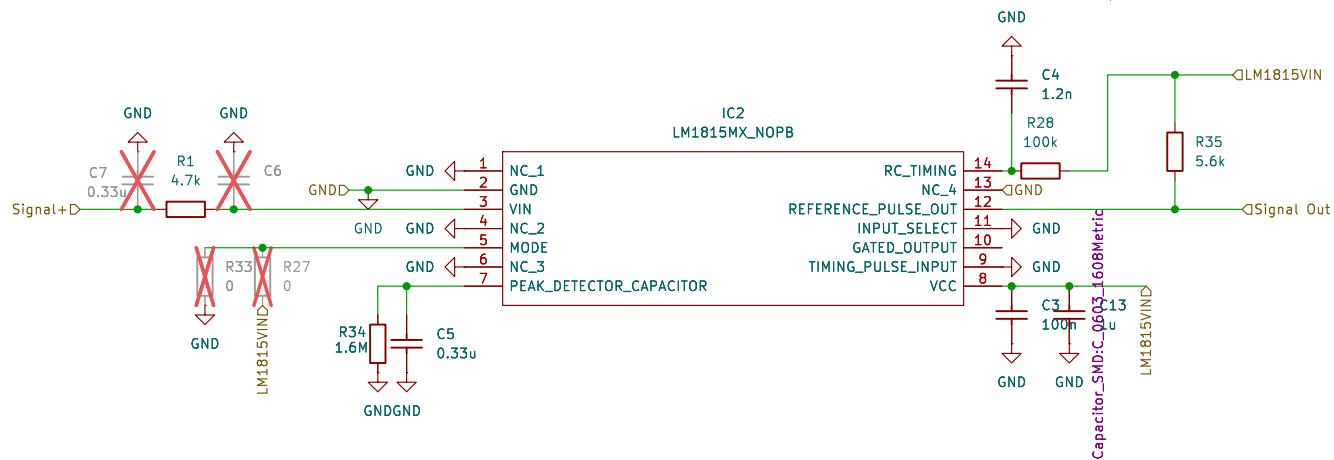
Date: 2023-11-01

**Rev:**

KiCad E.D.A. 8.0.7

Id: 5/7

$F_{in(max)} = 1/(1.346 \times R28 \times C4)$   
 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:**

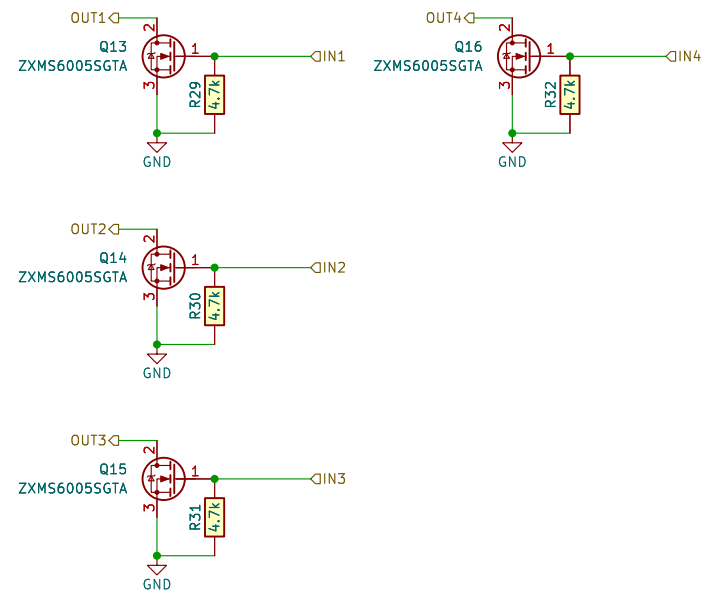
Size: A4

Date:

KiCad E.D.A. 8.0.7

**Rev:**

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. 8.0.7		Id: 9/7