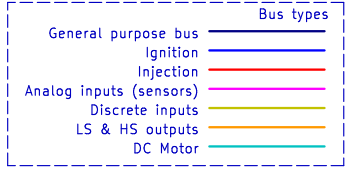
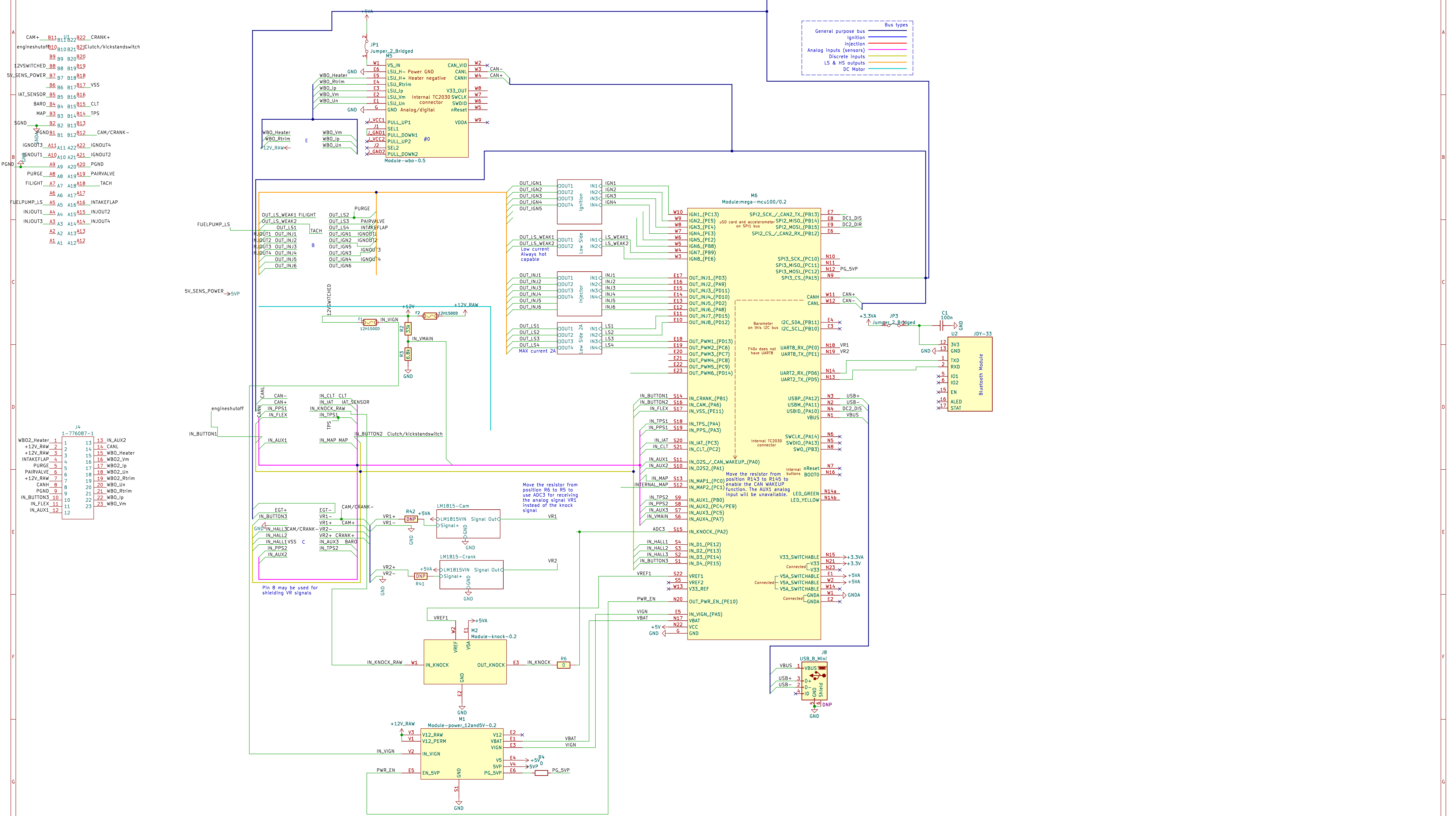
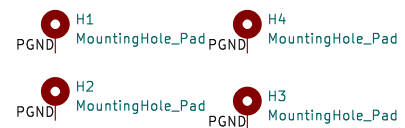


MUST USE DUMB COIL SETUP IN IGNITION SHEET!!!!



J4 1-776087-1

WBO2_Heater	1	13	IN_AUX2
+12V_RAW	2	14	CANL
+12V_RAW	3	15	WBO_Heater
INTAKEFLAP	4	16	WBO2_Vm
PURGE	5	17	WBO2_ip
PAIRVALVE	6	18	WBO2_Un
+12V_RAW	7	19	WBO2_Rtrim
CANH	8	20	WBO_Un
PGND	9	21	WBO_Rtrim
IN_BUTTON3	10	22	WBO_ip
IN_FLEX	11	23	WBO_Vm
IN_AUX1	12		





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

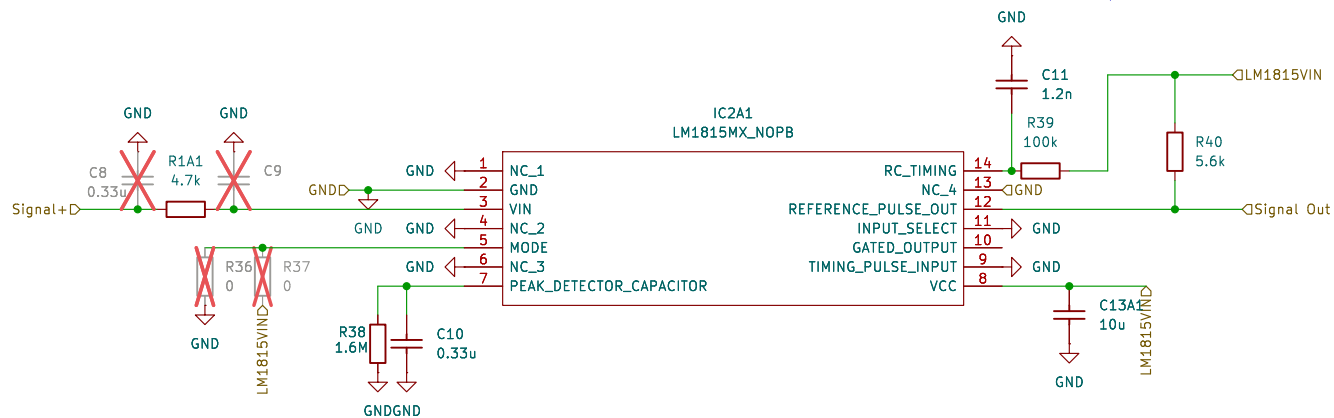
**Title: UAEFI Ignition**

Size: A4 Date: 2023-11-01

KiCad E.D.A. 8.0.8

Rev:  
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:**

Size: A4

Date:

KiCad E.D.A. 8.0.8

**Rev:**

Id: 3/7

Id: 4/7



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Sheet: /Low Side/

File: LS\_weak.kicad\_sch

**Title: UAEF Low Side low current**

Size: A4

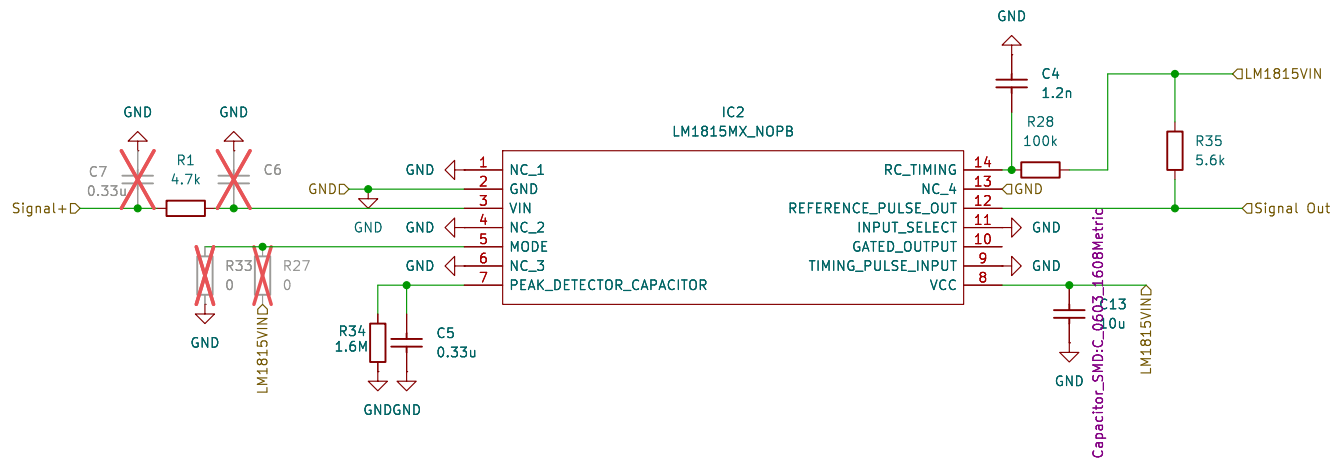
Date: 2023-11-01

Rev:

KiCad E.D.A. 8.0.8

Id: 5/7

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

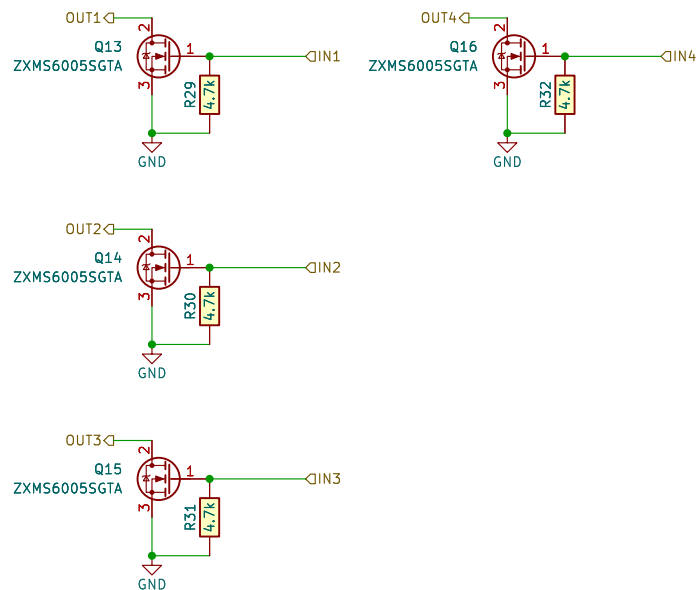
Size: A4

Date:

KiCad E.D.A. 8.0.8

**Rev:**

Id: 6/7



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Sheet: /Injector/  
File: INJ6.kicad\_sch

**Title: UAEFI Injector**

Size: A4 Date: 2023-11-01

KiCad E.D.A. 8.0.8

**Rev:**  
Id: 9/7