

Sheet63805A3D

File: Fuel_Ignition.sch
Sheet63805E51

File: inputs.sch
Sheet6380619C

File: outputs.sch
Sheet6380633D

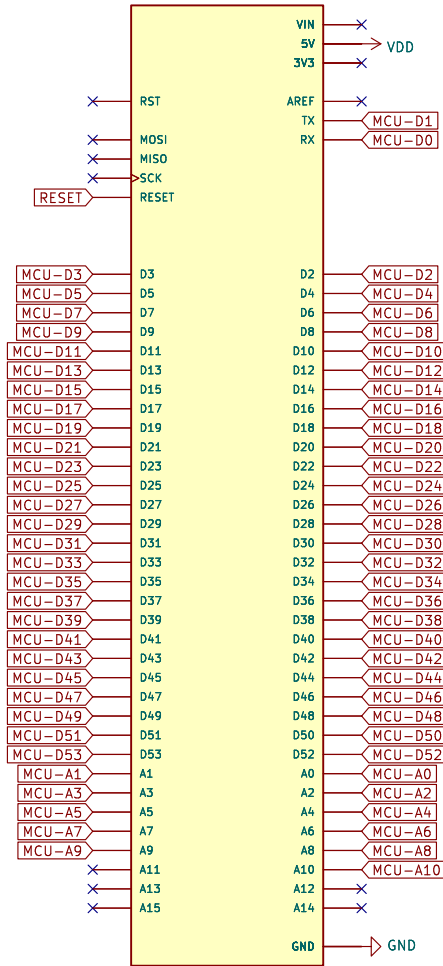
File: power.sch
Sheet638064B1

File: connector.sch
Sheet63806578

File: proto.sch
Sheet6380665D

File: communication.sch

U2
MEGA_PRO_EMBED_CH340G__ATMEGA2560



Sheet: /
File: BZO Universal Double Six v1.0.sch

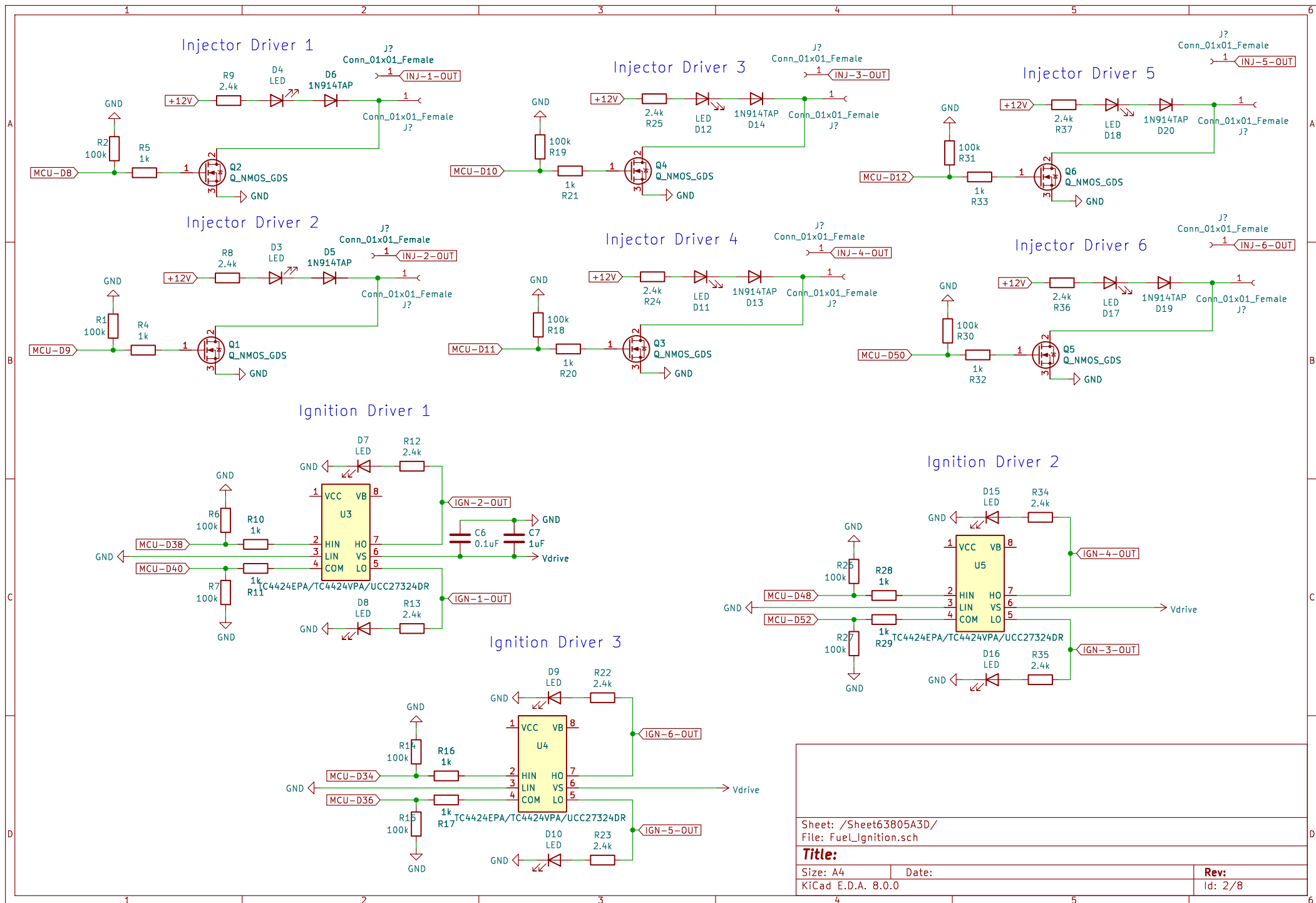
Title: base Speeduino 4.3d

Size: A4 Date: 2022-07-16

KiCad E.D.A. 8.0.0

Rev: V1.0

Id: 1/8



Sheet: /Sheet63805A3D/
File: Fuel_Ignition.sch

Title:

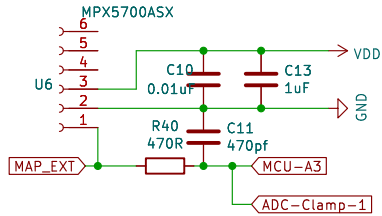
Size: A4 Date:

KiCad E.D.A. 8.0.0

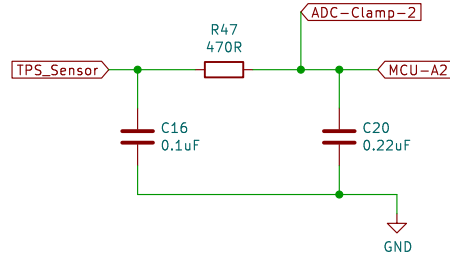
Rev:

Id: 2/8

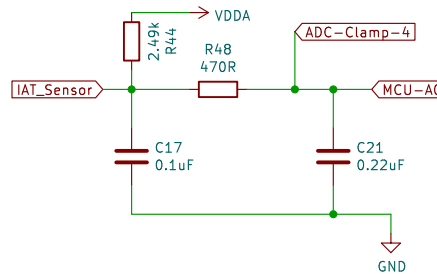
MAP Sensor



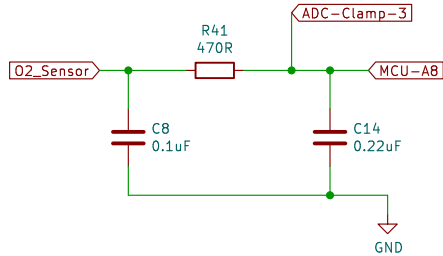
Throttle Position Sensor



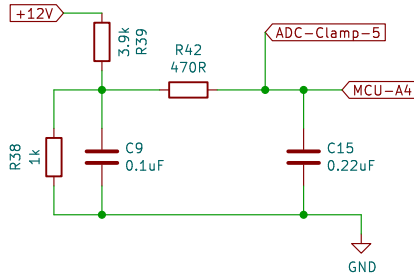
Inlet Air Temperature Sensor



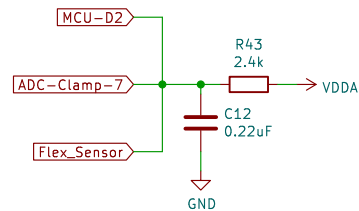
O2 Sensor



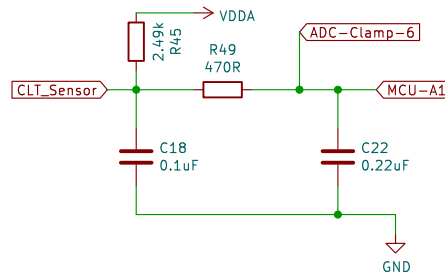
Battery reference voltage



Flex Sensor Input



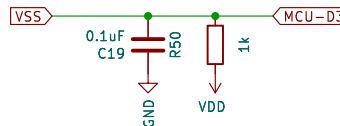
Coolant Temperature Sensor



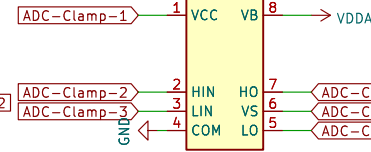
Clutch Input



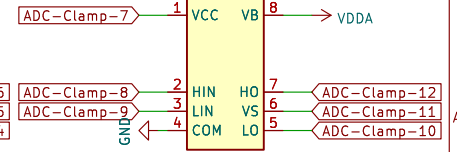
VSS Input



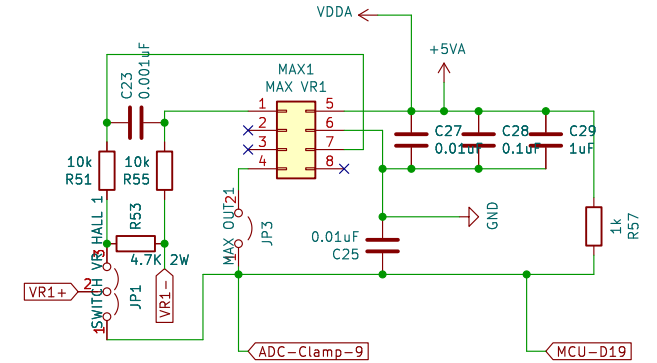
U7 SP721ABG/SP721ABTG



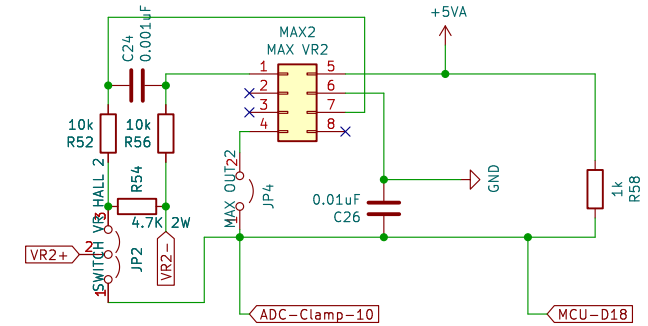
U8 SP721ABG/SP721ABTG



Crank Angle Sensor



Cam Angle Sensor



Sheet: /Sheet63805E51/
File: inputs.sch

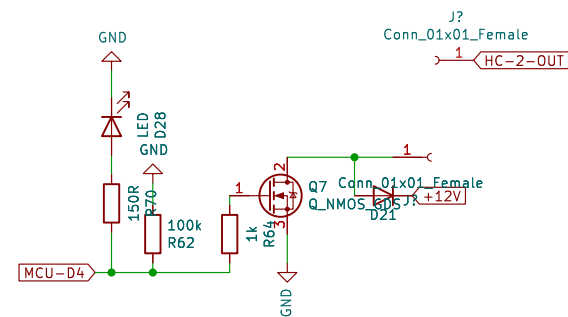
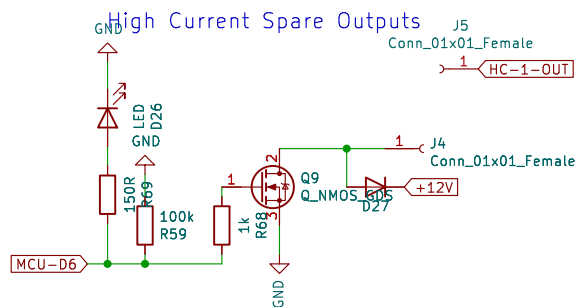
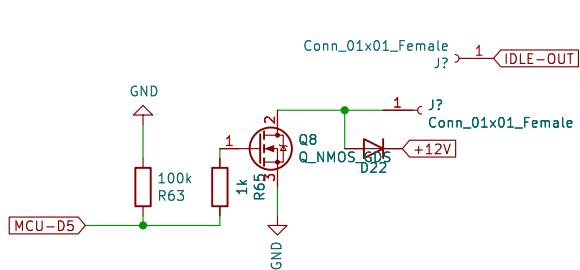
Title:

Size: A4 Date:

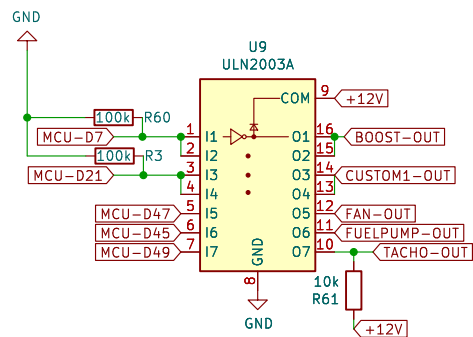
KiCad E.D.A. 8.0.0

Rev:

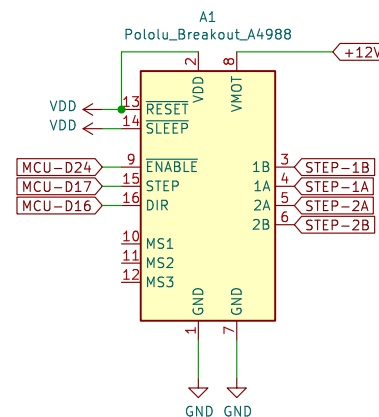
Id: 3/8



PWM Idle and Boost outputs Spare High Current outputs



Stepper Idle



Sheet: /Sheet6380619C/
File: outputs.sch

Title:

Size: A4 Date:

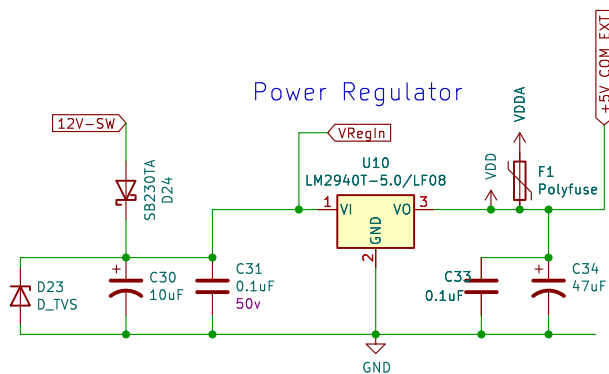
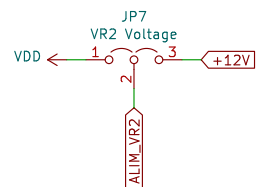
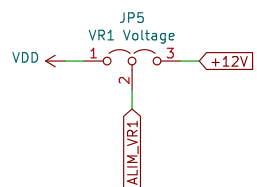
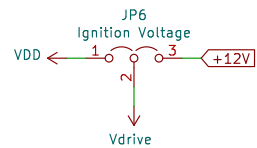
KiCad E.D.A. 8.0.0

Rev:

Id: 4/8

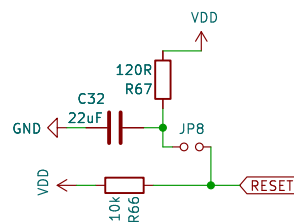
	1	2	3	4	5	6
A						
B						
C						
D						
	1	2	3	4	5	6

Sheet: /Sheet63806578/ File: proto.sch		
Title:		
Size: A4	Date:	
KiCad E.D.A. 8.0.0		Rev: Id: 5/8

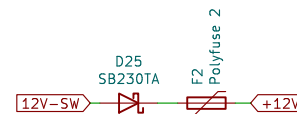


Reset Protection

Refer AVR040 Application Note



GND_COM_EXT → GND



Sheet: /Sheet6380633D/
File: power.sch

Title:

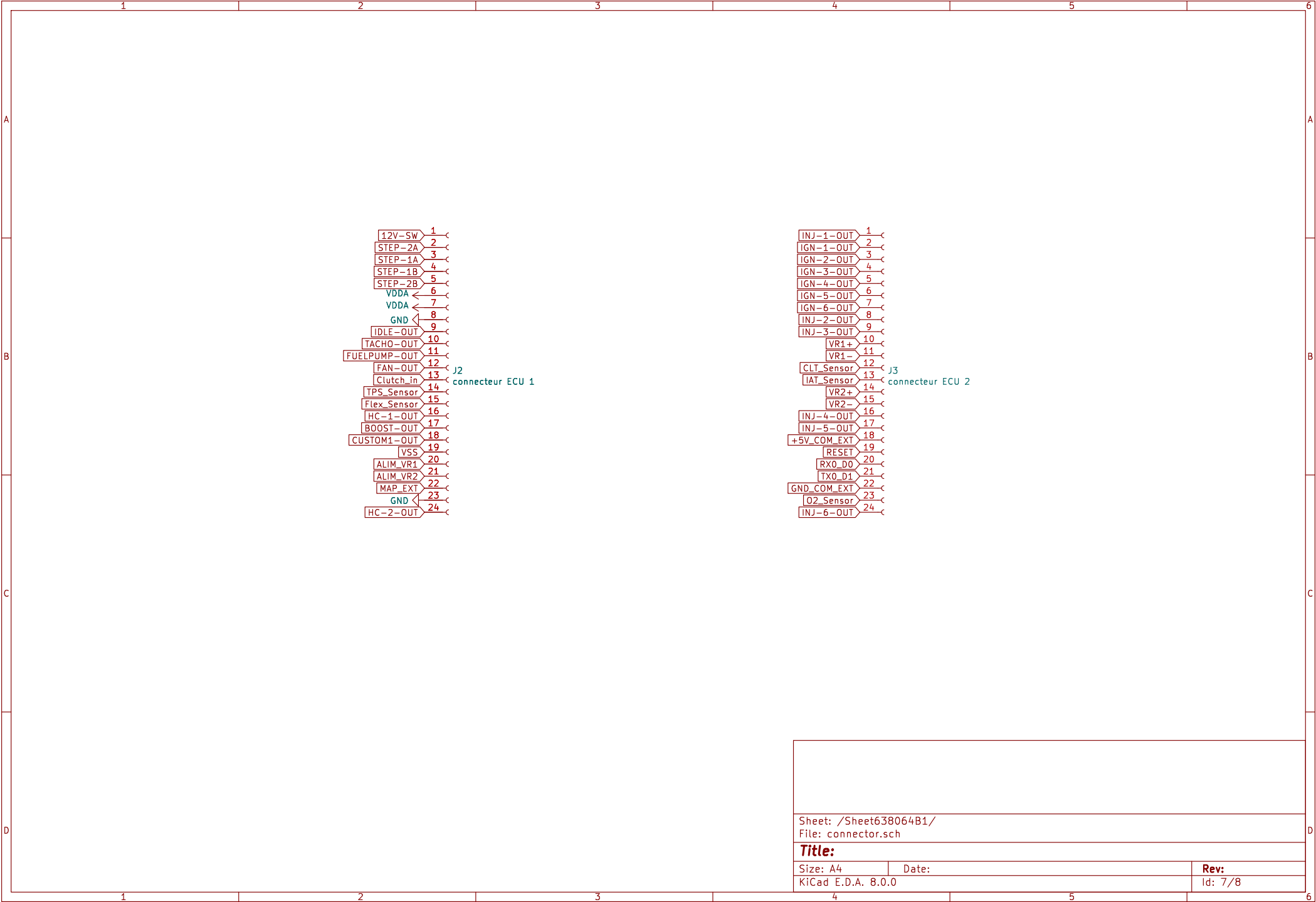
Size: A4

Date:

KiCad E.D.A. 8.0.0

Rev:

Id: 6/8



Sheet: /Sheet638064B1/
File: connector.sch

Title:

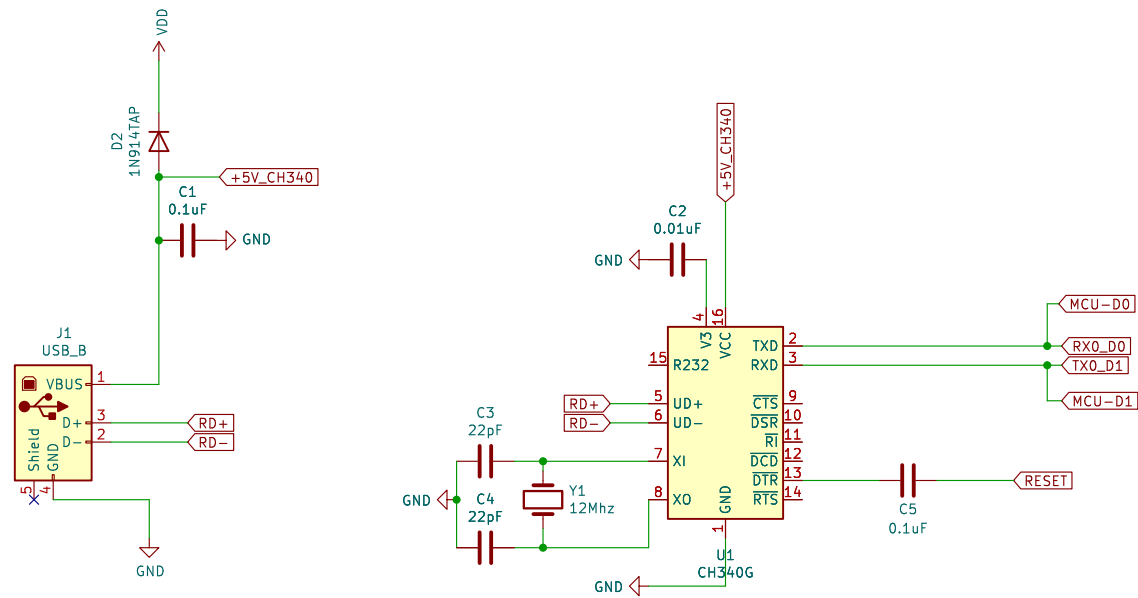
Size: A4

Date:

KiCad E.D.A. 8.0.0

Rev:

Id: 7/8



Sheet: /Sheet6380665D/
File: communication.sch

Title:

Size: A4

Date:

KiCad E.D.A. 8.0.0

Rev:

Id: 8/8