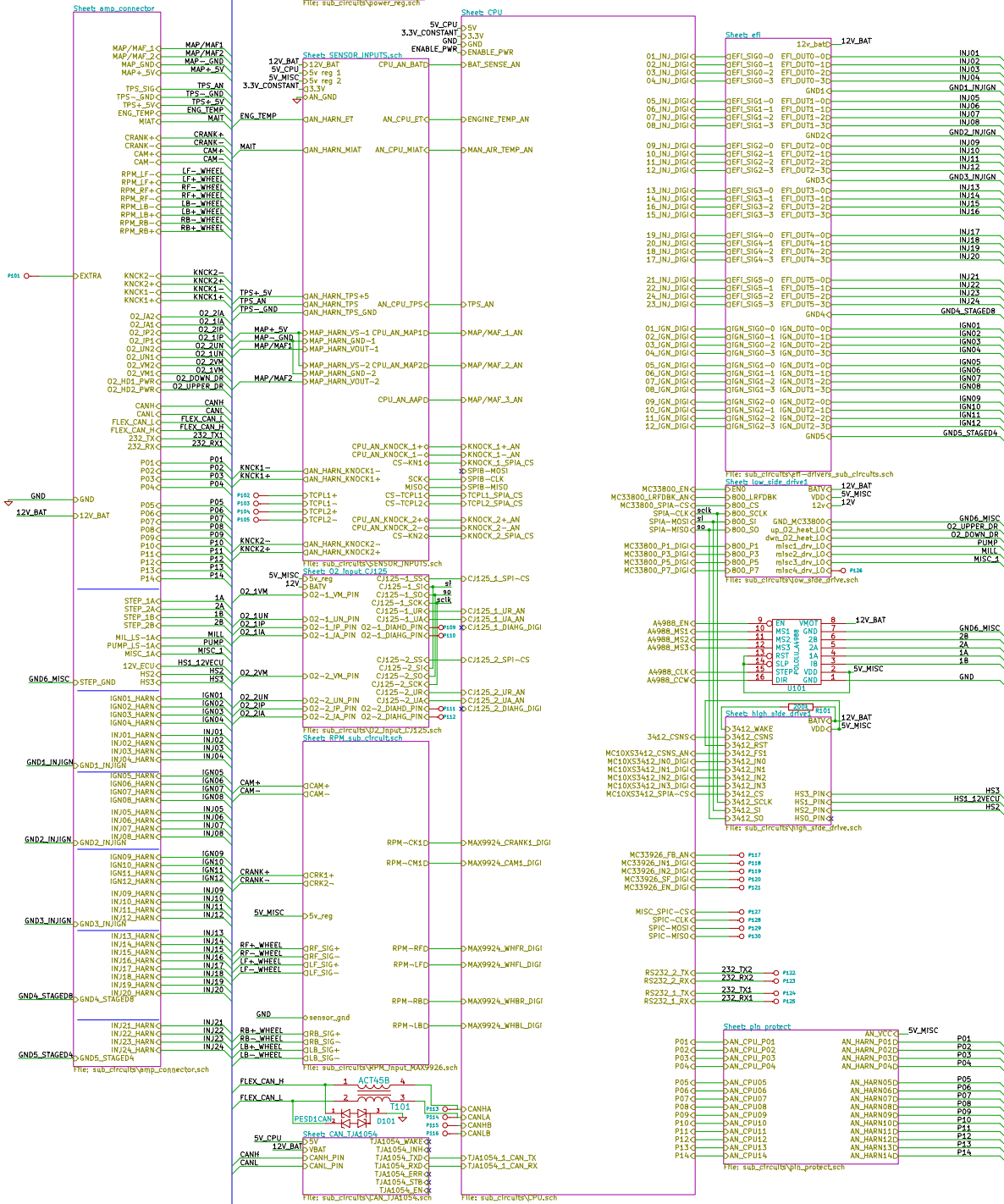
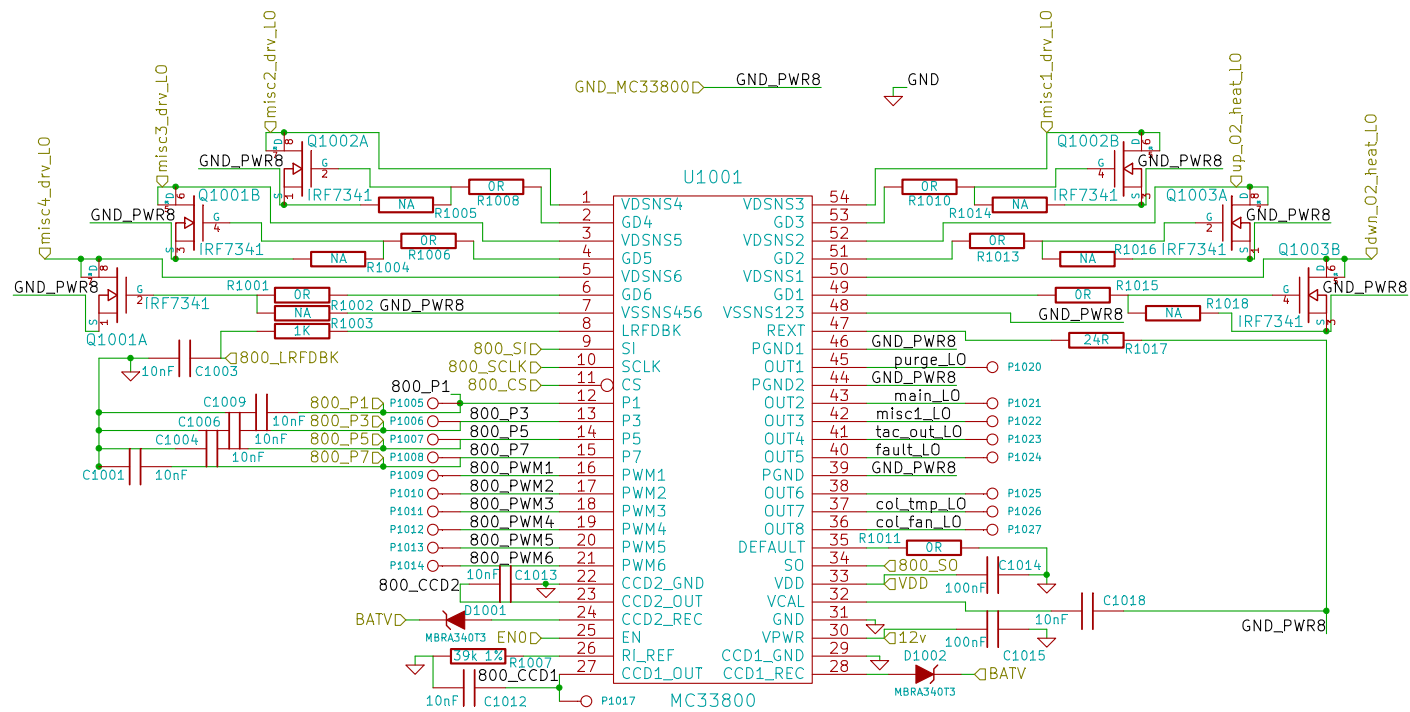


NOTES TO REMEMBER
PERHAPS INSTALL USB FROM PUMA





misc high side and low side drives

<http://open5xxxecu.org/>

File: low_side_drive.sch

Sheet: /low_side_drive1/

Title: Open5xxxECU (o5e), an ECU that is no longer affiliated with freeEMS.

Size: A4

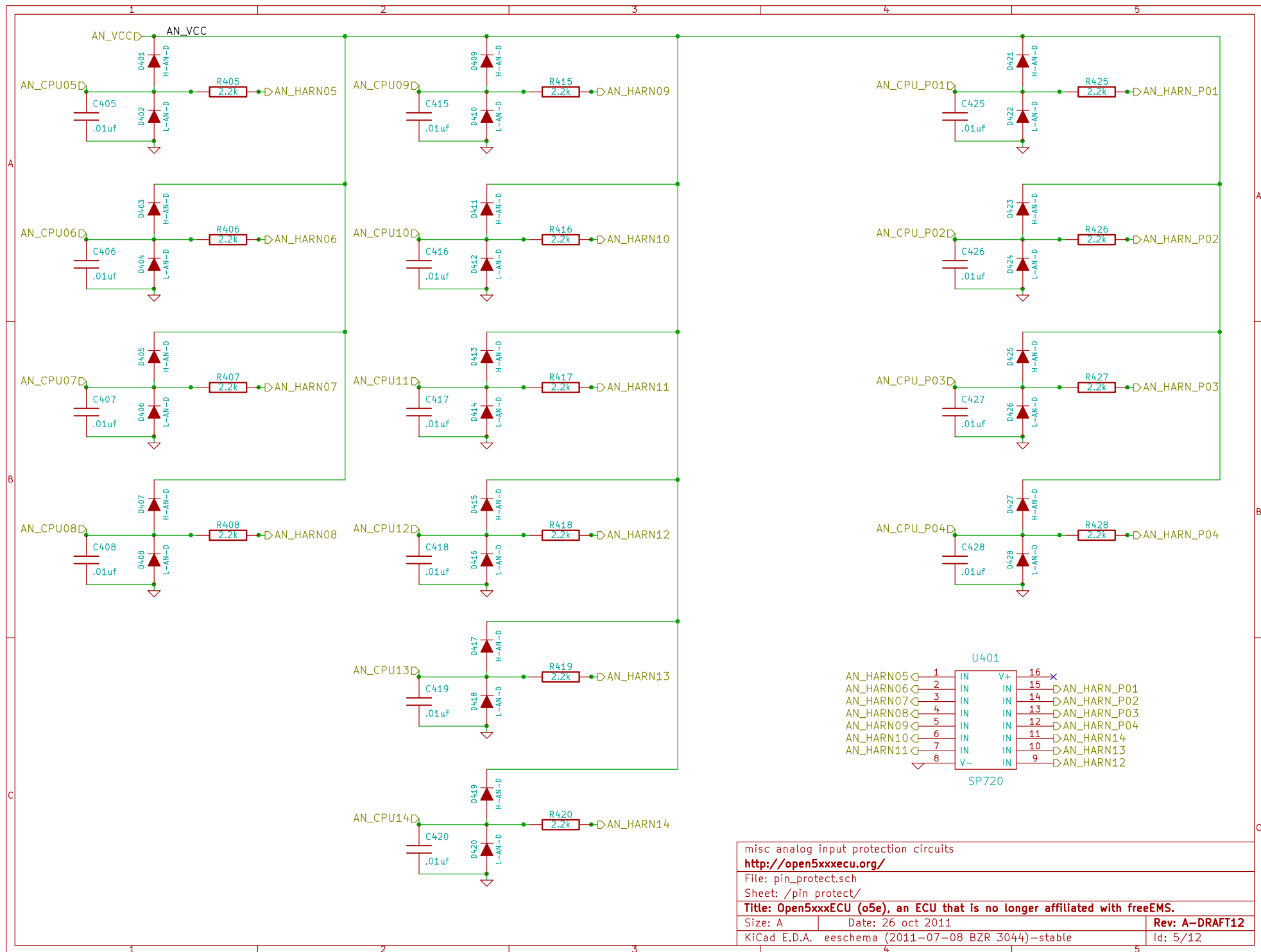
Date: 26 oct 2011

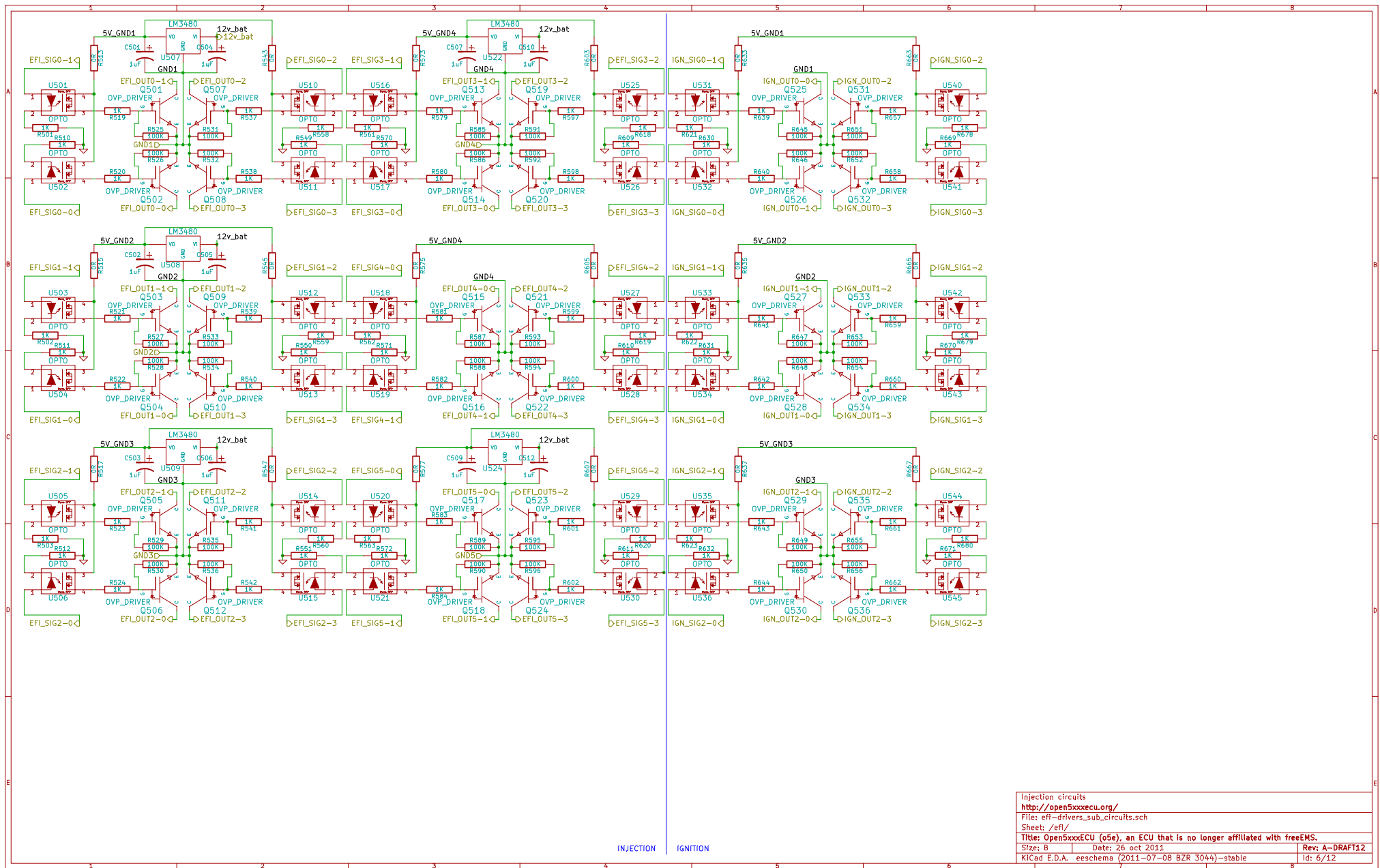
Rev: A-DRAFT12

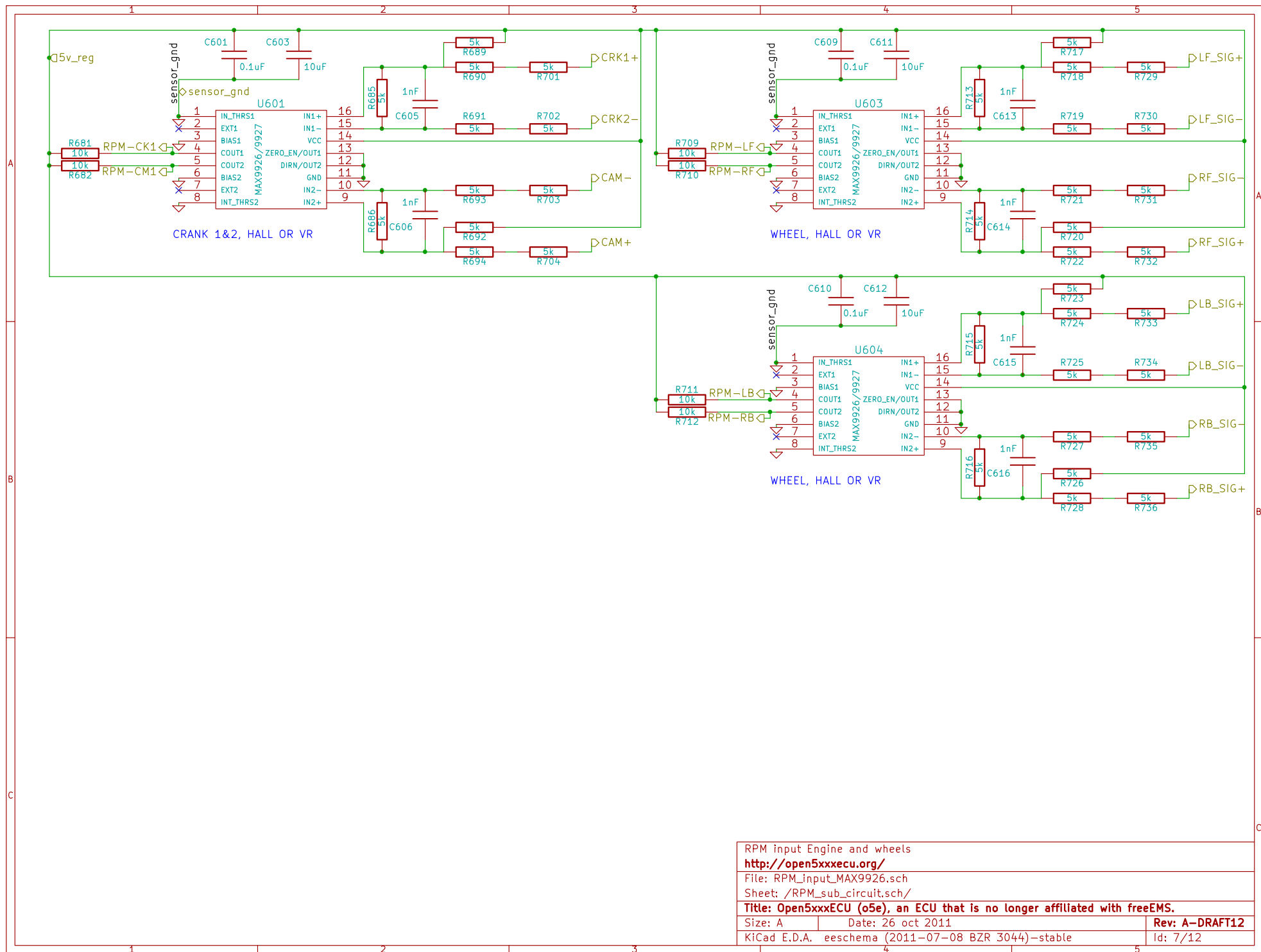
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable

Id: 3/12

http://open5xxxecu.org/	
File: amp_connector.sch	
Sheet: /amp_connector/	
Title: Open5xxxECU (o5e), an ECU that is no longer affiliated with freeEMS.	
Size: A	Date: 26 oct 2011
KiCad E.D.A.	eeschema (2011-07-08 BZR 3044)-stable
	Id: 4/12







RPM input Engine and wheels

<http://open5xxecu.org/>

File: RPM_input_MAX9926.sch

Sheet: /RPM_sub_circuit.sch/

Title: Open5xxECU (o5e), an ECU that is no longer affiliated with freeEMS.

Size: A

Date: 26 oct 2011

Rev: A-DRAFT12

KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable

Id: 7/12

FILTER/BULK CAPS
REVERSE POLARITY PROTECTION DIODE
REVERSE POLARITY SPIKE PROTECTION
TRANSIENT INDUCTOR AND DIODE SHUNT

[illegible]

6v reg

LED

D707

3.3k

R737

C706

10uF

C707

0.1uF

D707

1N4448

MCP1826

Vin

VOUT

/SHDN

GND

PWRGD

U703

100k

R739

C716

22uF

C717

0.1uF

C718

2200uF

5V_REG_MISC

P704

*C717: aluminum

*C718: tantalum, close to the regulator

THIS SECTION

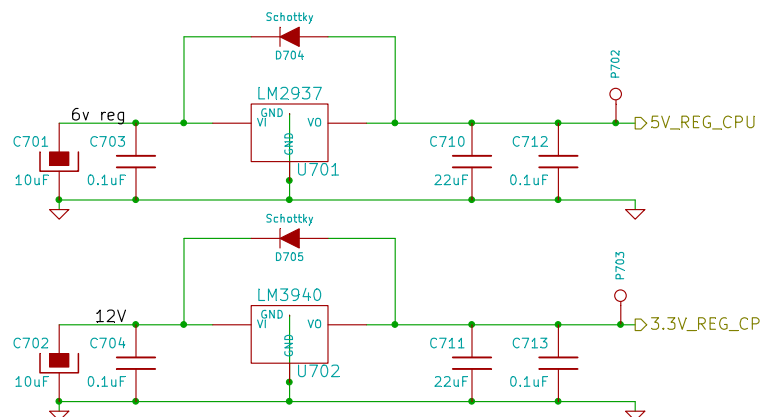
SMALL FILTER

LARGER BULK

LDO REGULATOR

POWER LED

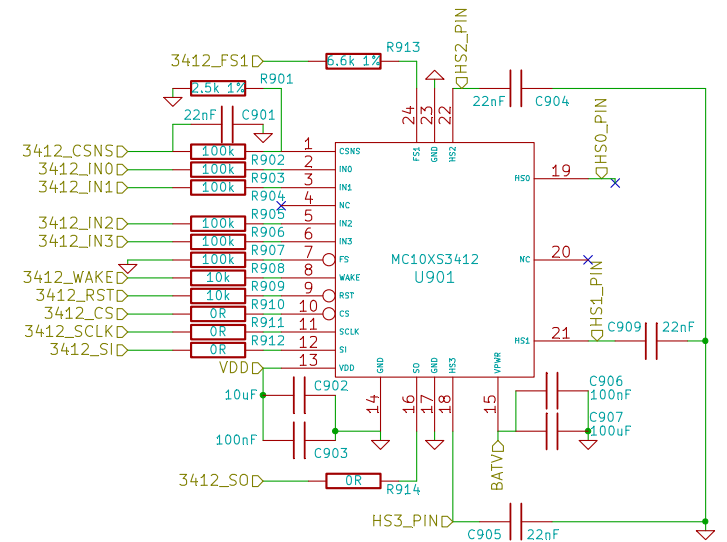
SMALL FILTERING CAPS TO PREVENT OSSILLATION
LARGER BULK CAPS TO HANDLE THE BULK NEEDS
LDO REGULATOR TO GENERATE A 1 AMP ACCURATE 5V SOURCE GOOD FOR MISC NEEDS
POWER LED TO INDICATE IT'S POWRED
ENABLE FEATURE TO ALLOW MCU TO TURN THINGS OFF.
REVERSE POLARITY DIODE PROTECTING THE MCP1826



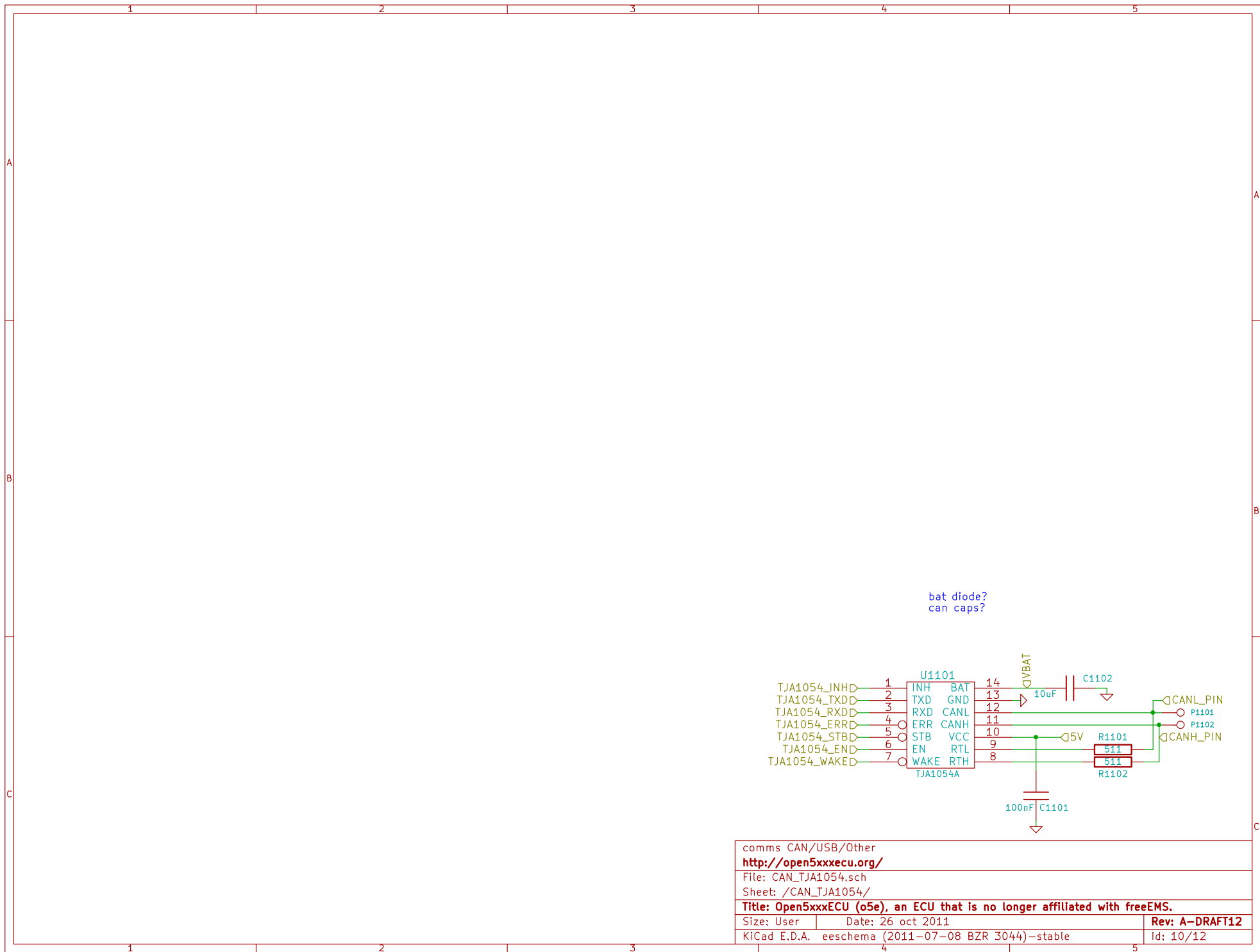
SMALL FILTERING CAPS TO PREVENT OSSILATION
LARGER BULK CAPS TO HANDLE THE BULK NEEDS
LDO REGULATOR TO GENERATE A 1 AMP 5V PERCISSION LOW RIPPLE SOURCE

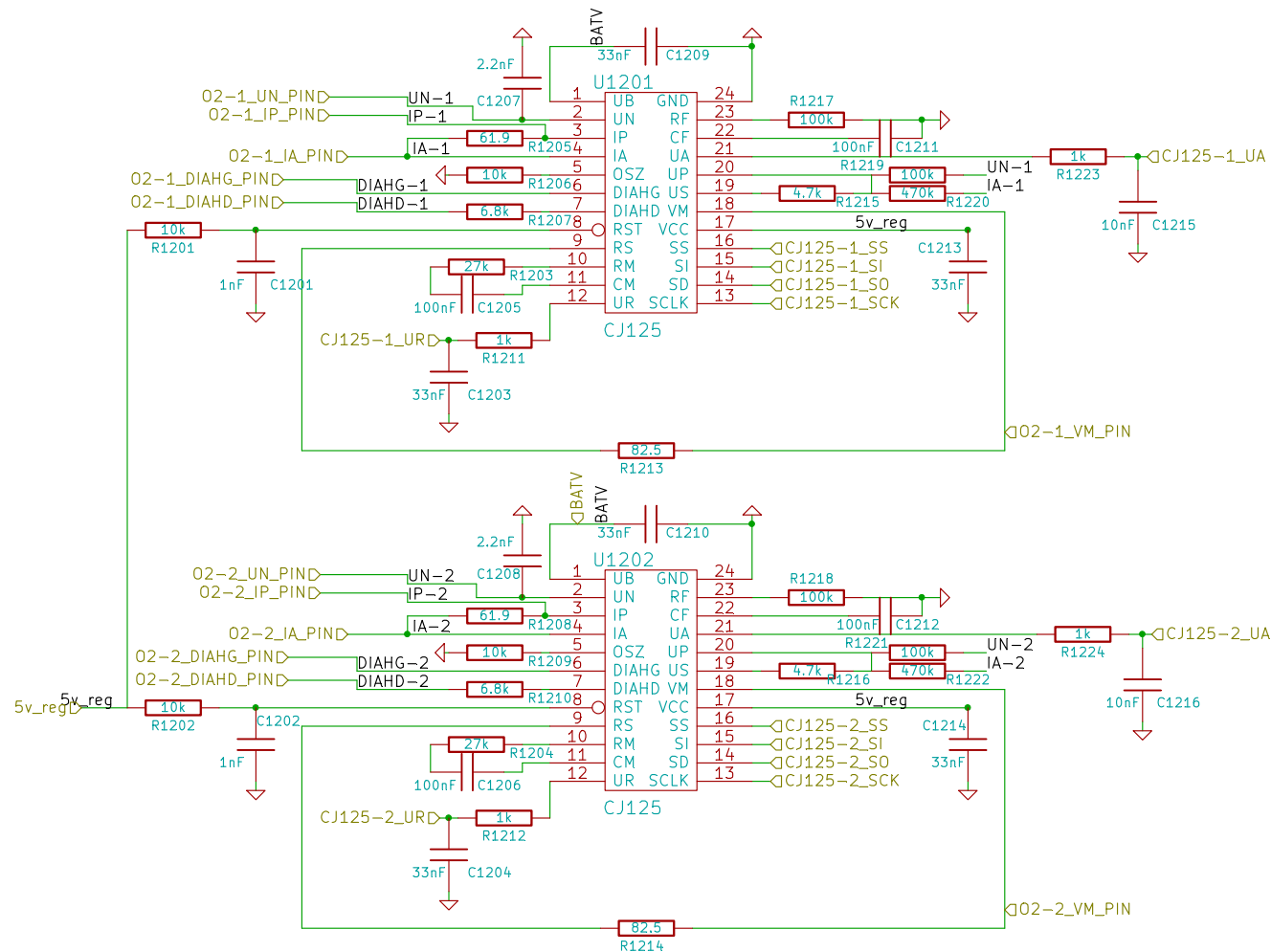
SMALL FILTERING CAPS TO PREVENT OSSILATION
LARGER BULK CAPS TO HANDLE THE BULK NEEDS
LDO REGULATOR TO GENERATE A 1 AMP 3.3V PERCISSION LOW RIPPLE SOURCE

Id: 8/12

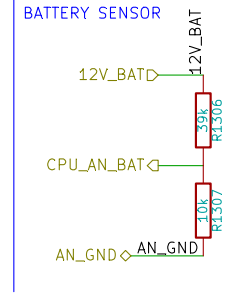
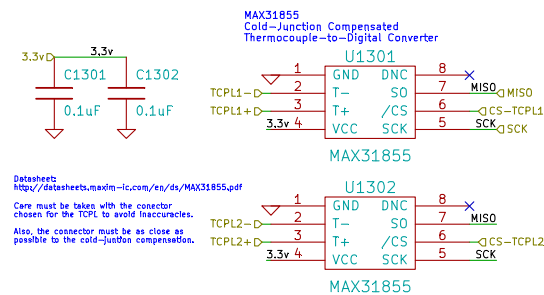
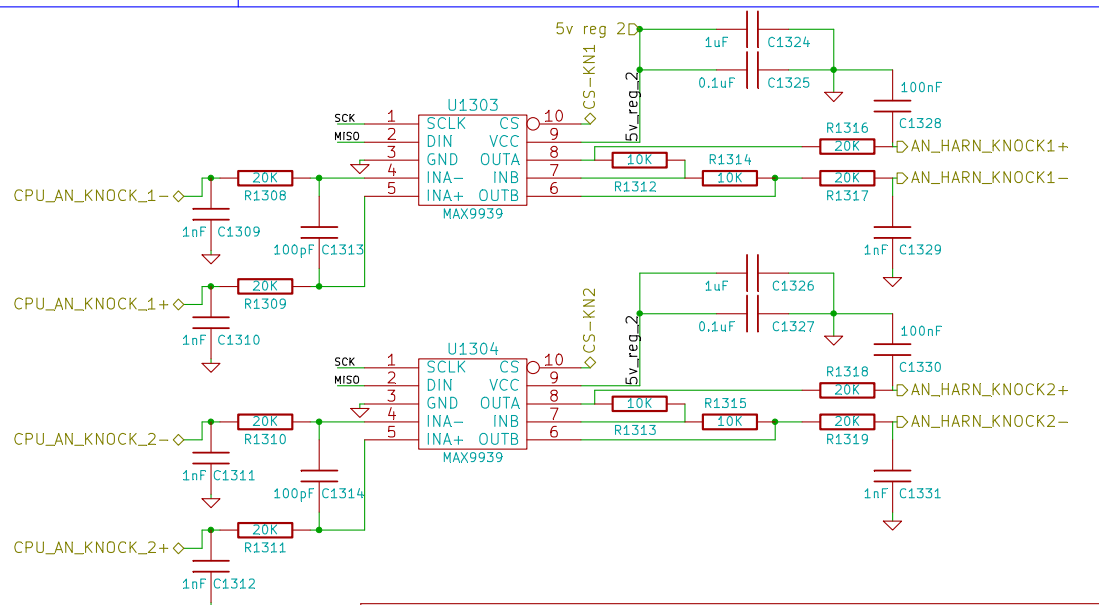
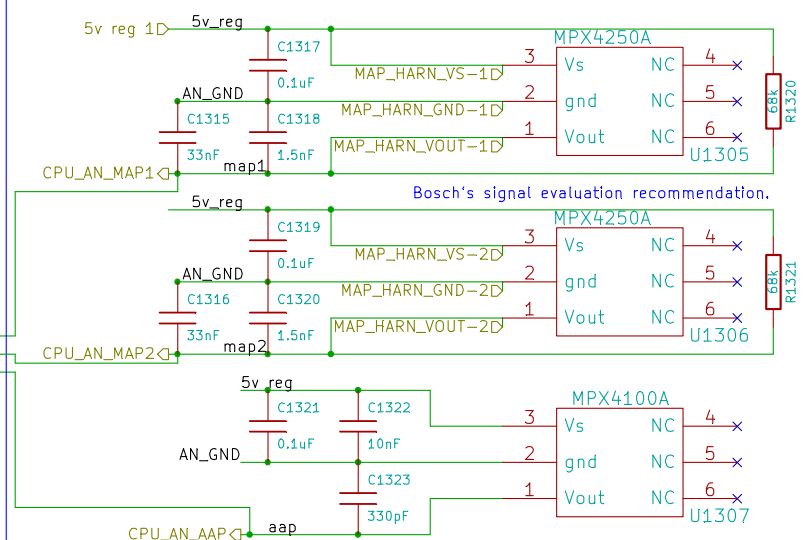
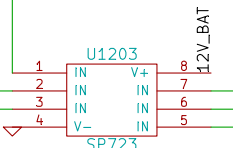
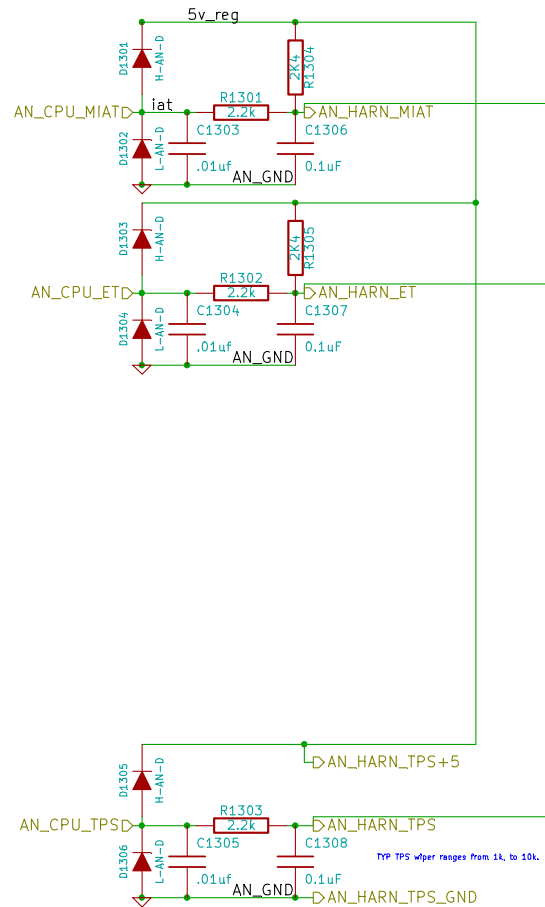


High side drive circuits		
http://open5xxxecu.org/		
File: high_side_drive.sch		
Sheet: /high_side_drive1/		
Title: Open5xxxECU (o5e), an ECU that is no longer affiliated with freeEMS.		
Size: A4	Date: 26 oct 2011	Rev: A-DRAFT12
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable		Id: 9/12





2 channels of Wide O2		
http://open5xxxecu.org/		
File: O2_input_CJ125.sch		
Sheet: /O2_input_CJ125/		
Title: Open5xxxECU (o5e), an ECU that is no longer affiliated with freeEMS.		
Size: User	Date: 26 oct 2011	Rev: A-DRAFT12
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable		Id: 11/12



misc input signals	
http://open5xxxecu.org/	
File: SENSOR_INPUTS.sch	
Sheet: /SENSOR_INPUTS.sch/	
Title: Open5xxxECU (o5e), an ECU that is no longer affiliated with freeEMS.	
Size: A4	Date: 26 oct 2011
KiCad E.D.A.	eeschema (2011-07-08 BZR 3044)-stable
Rev: A-DRAFT12	
Id: 12/12	