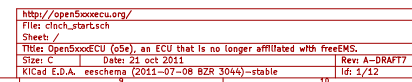
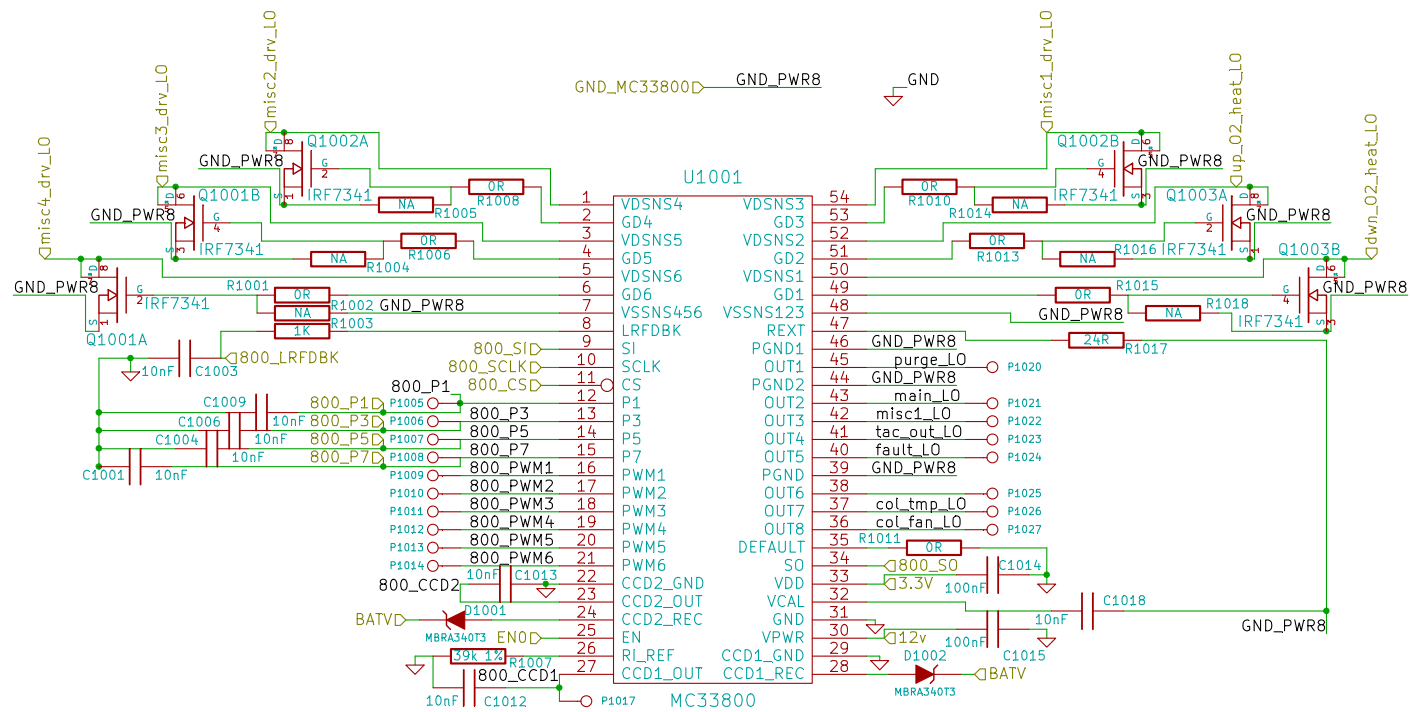


PERHAPS INSTALL USB FROM PUMA





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: 21 oct 2011

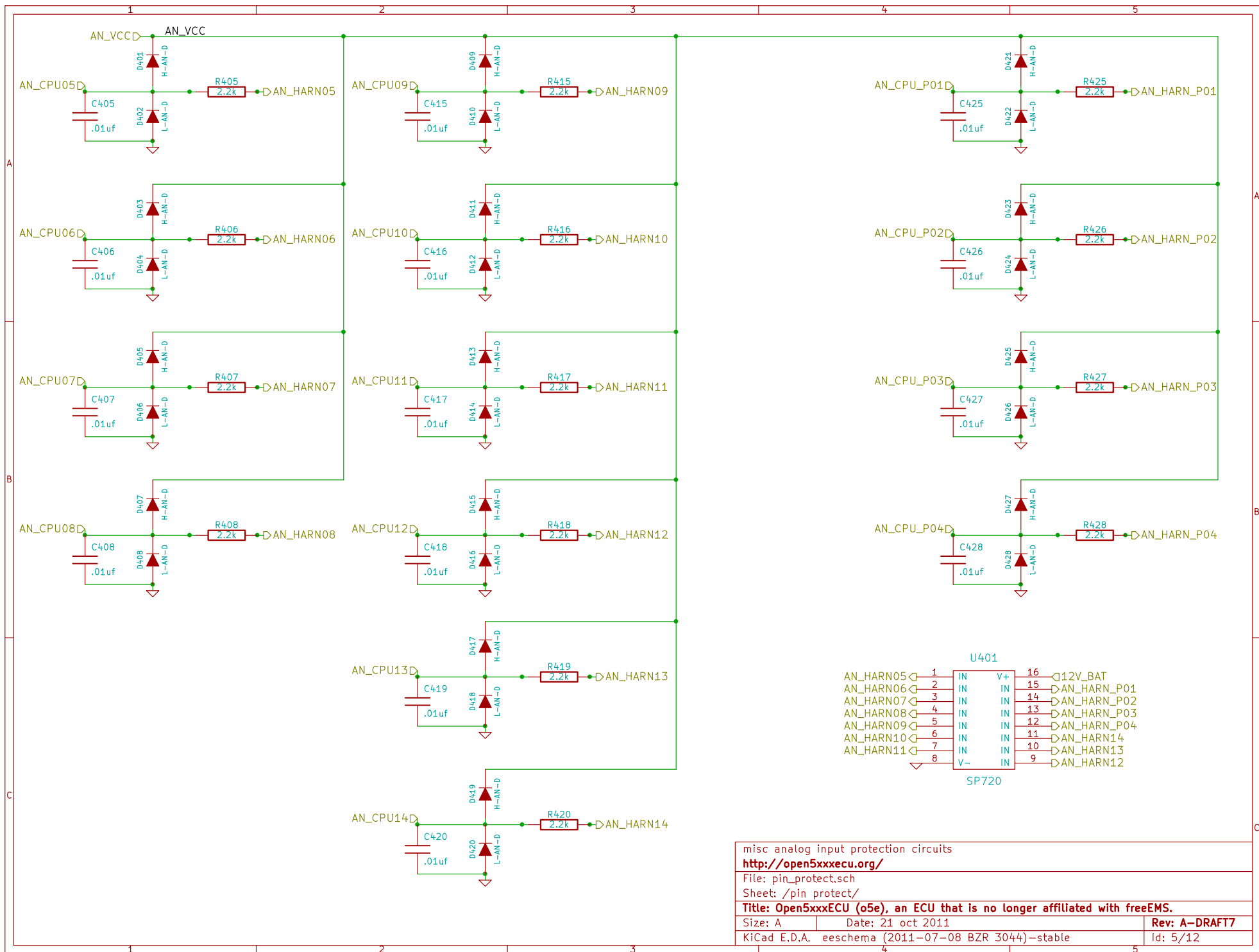
Rev: A-DRAFT7

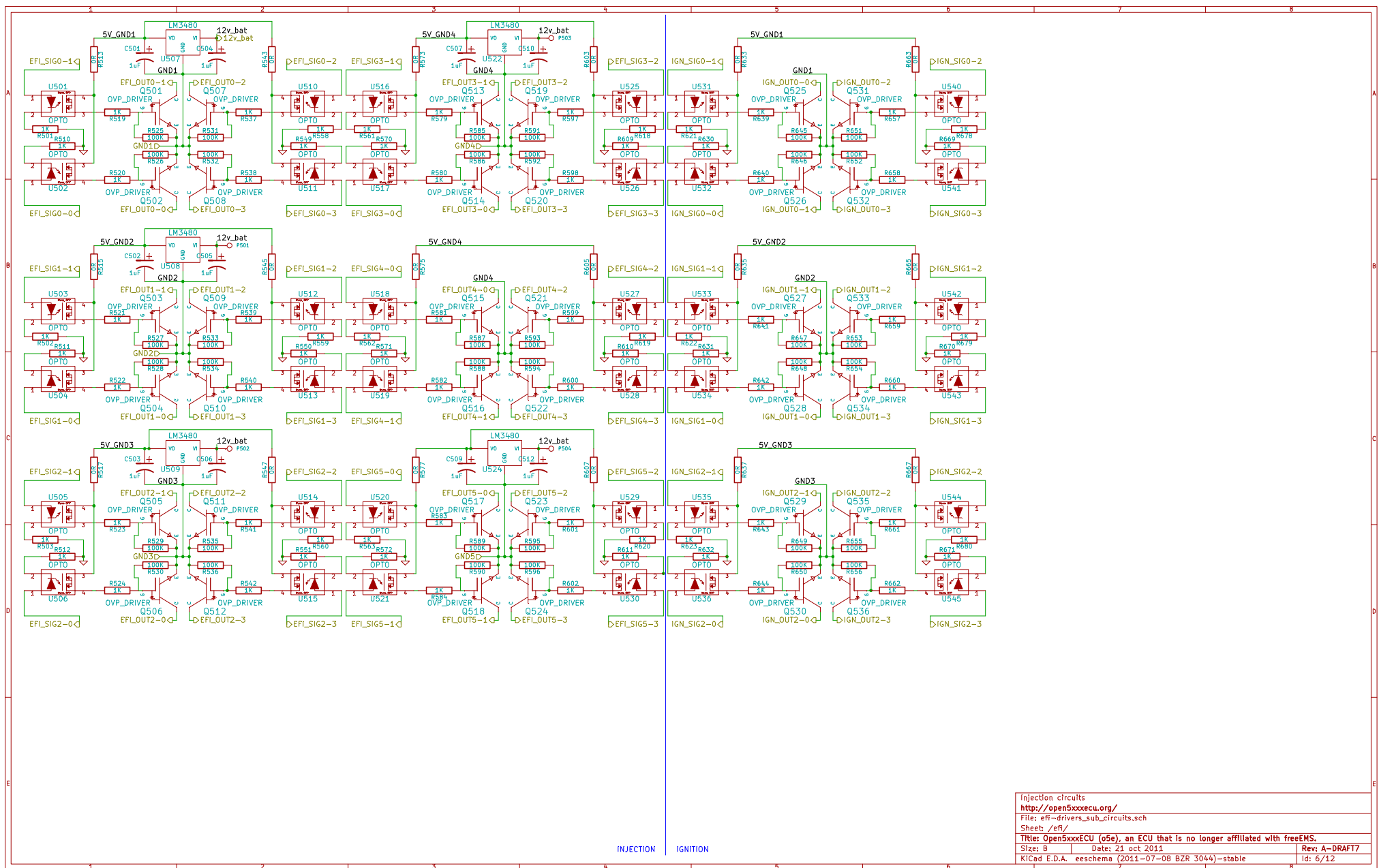
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable

Id: 2/12



http://open5xxxecu.org/		
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Sheet: /amp_connector/		
Title: Open5xxxECU (o5e), an ECU that is no longer affiliated with freeEMS.		
Size: A	Date: 21 oct 2011	Rev: A-DRAFT7
KiCad E.D.A.	eeschema (2011-07-08 BZR 3044)-stable	Id: 4/12





Injection circuits
<http://open5xxxecu.org/>
 File: efl-drivers_sub_circuits.sch
 Sheet: /efl/
Title: Open5xxxECU (o5e), an ECU that is no longer affiliated with freeEMS.
 Size: B Date: 21 oct 2011 Rev: A-DRAFT7
 KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable Id: 6/12

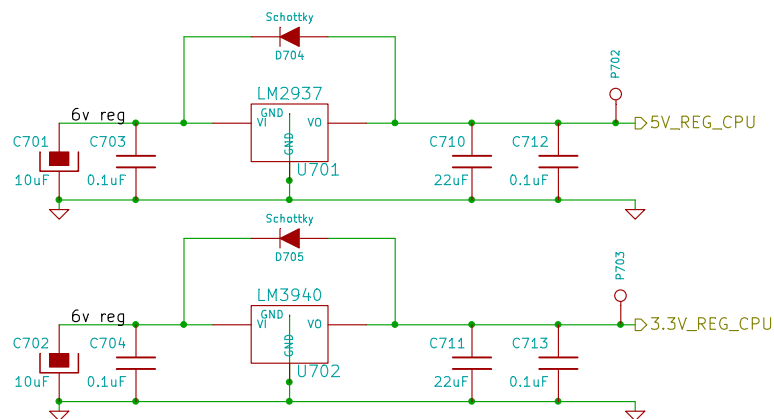
FILTER/BULK CAPS
REVERSE POLARITY PROTECTION DIODE
REVERSE POLARITY SPIKE PROTECTION
TRANSIENT INDUCTOR AND DIODE SHUNT

[illegible]

[illegible]

THIS SECTION CONTAINS

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

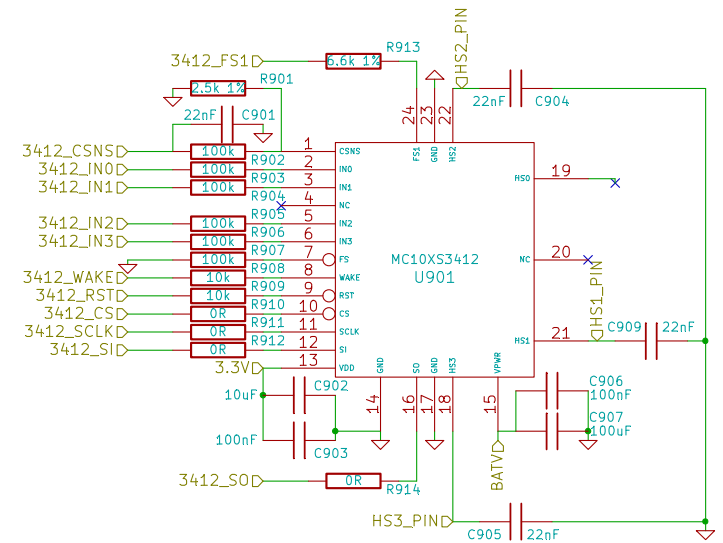
<http://open5xxecu.org/>

Sheet: /power regulator constant/

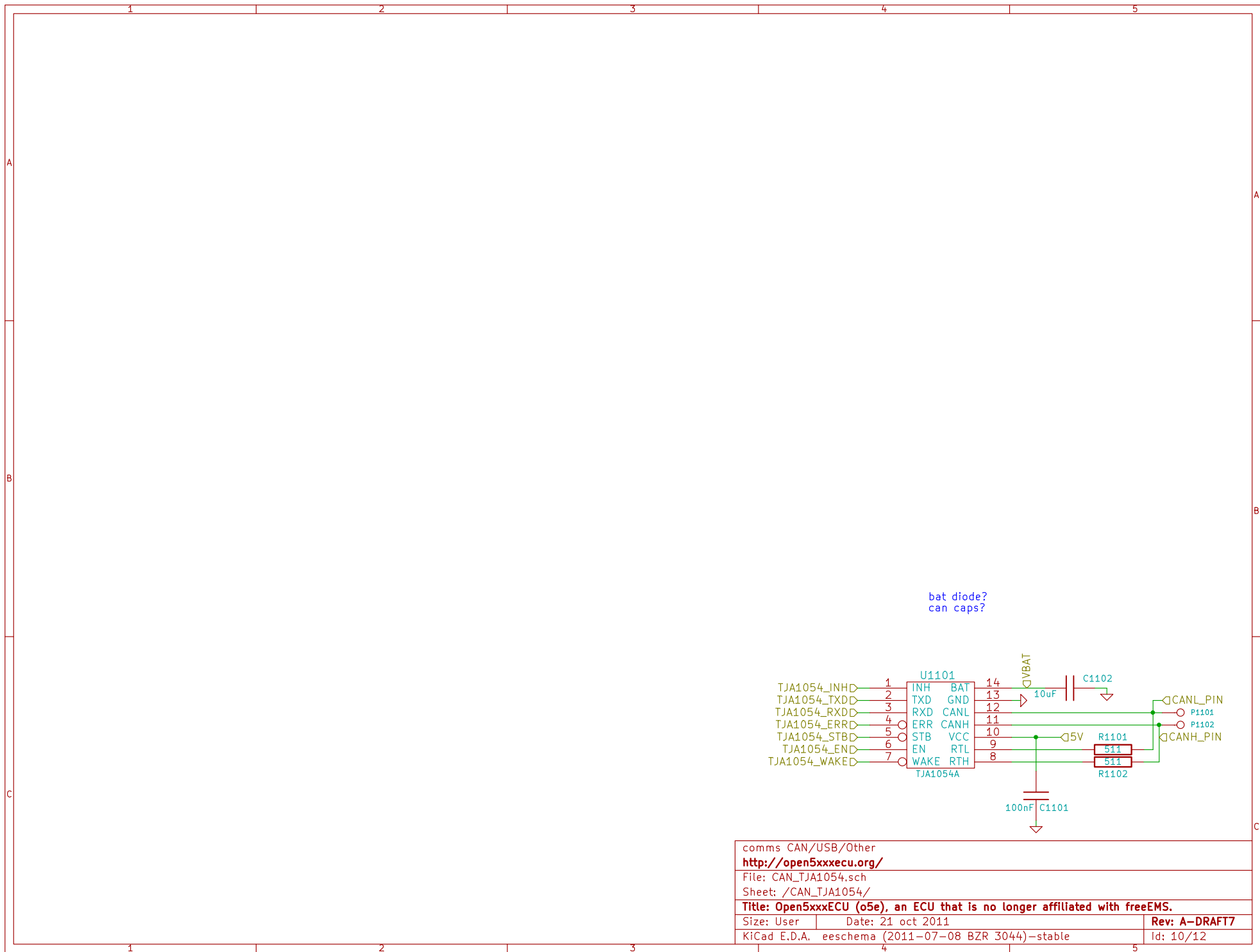
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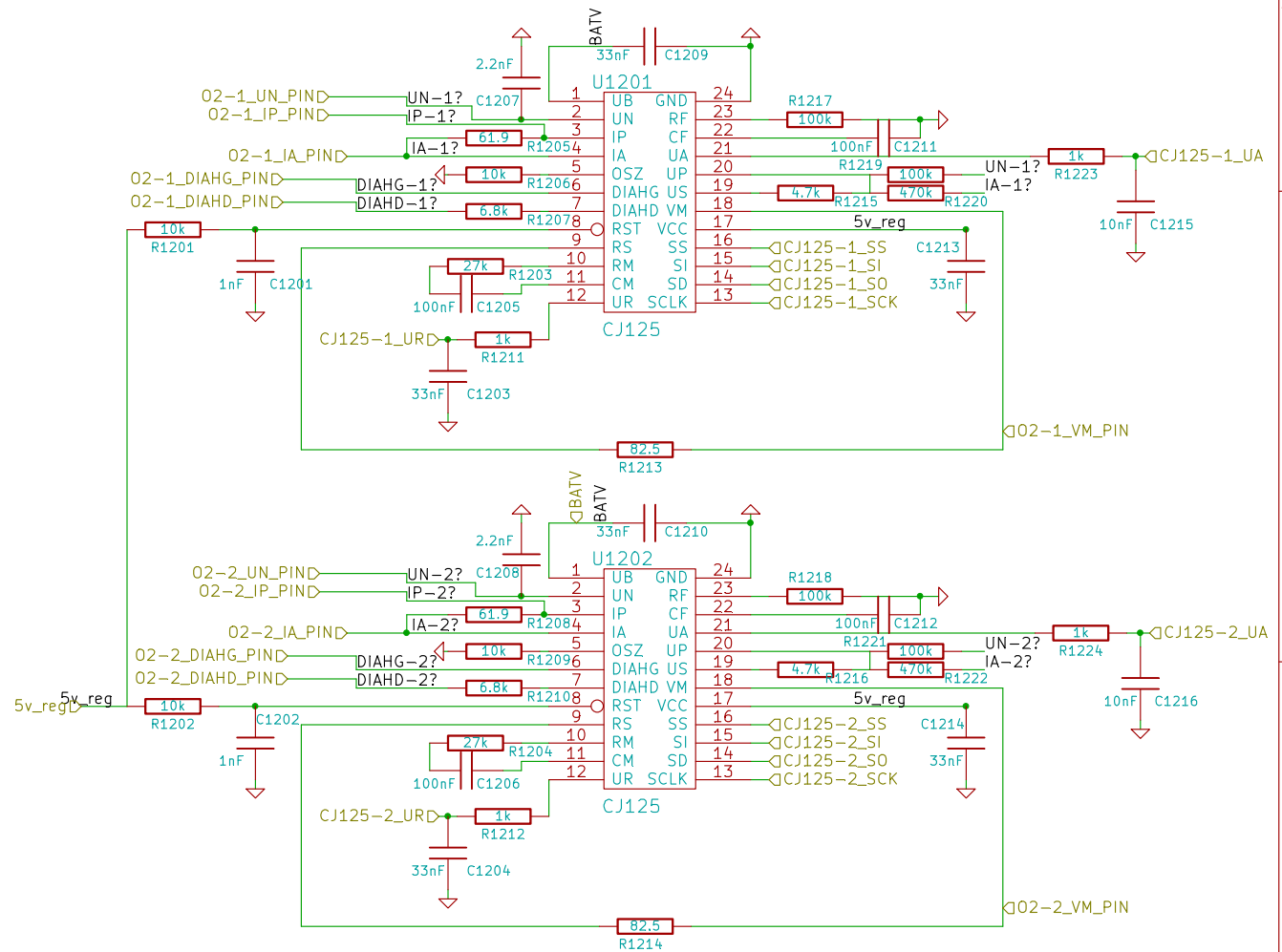
Rev: A-DRAFT7

Id: 8/12

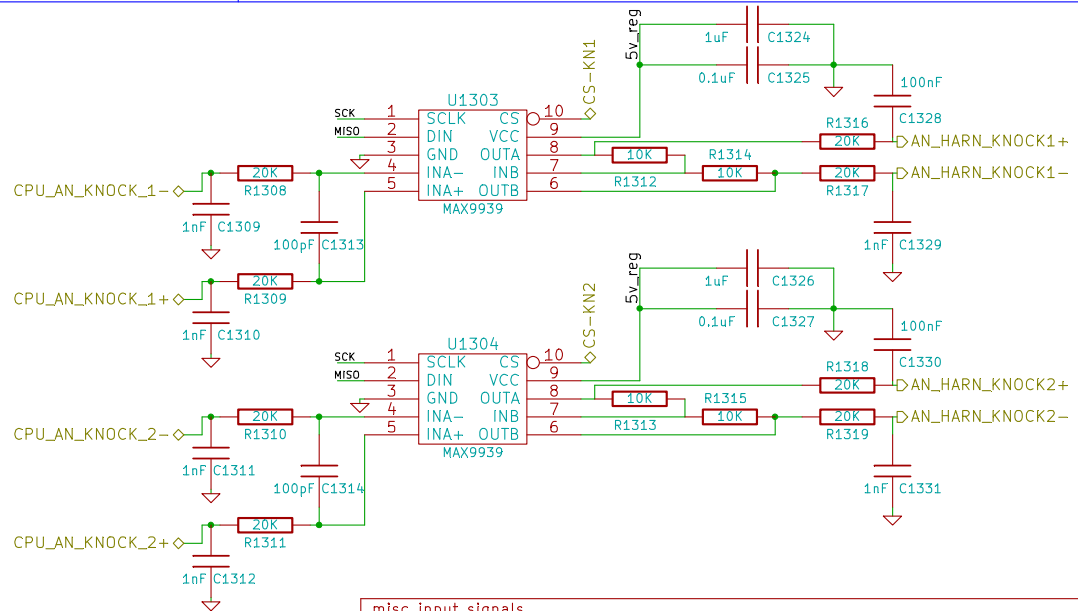
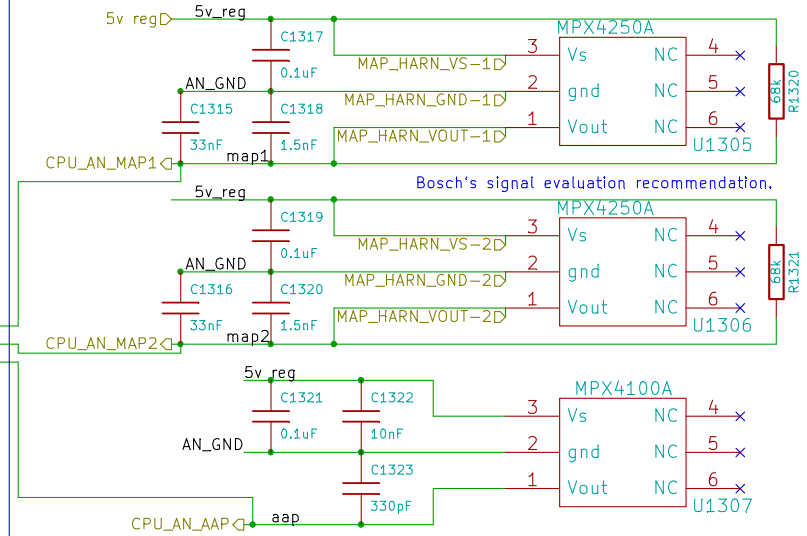
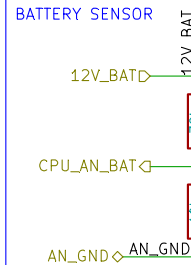
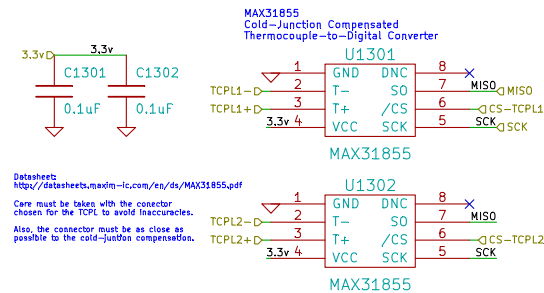
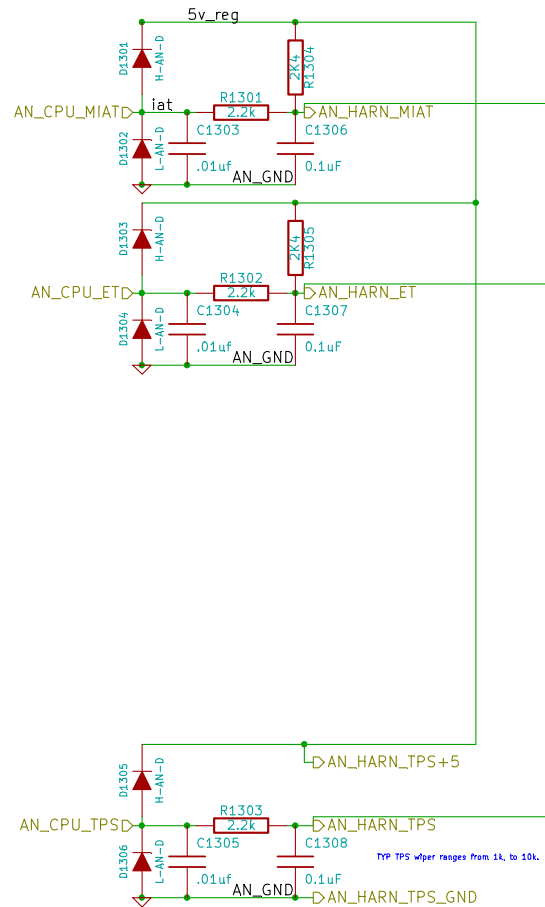


High side drive circuits		
http://open5xxxecu.org/		
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Sheet: /high_side_drive1/		
Title: Open5xxxECU (o5e), an ECU that is no longer affiliated with freeEMS.		
Size: A4	Date: 21 oct 2011	Rev: A-DRAFT7
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable		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: 21 oct 2011	Rev: A-DRAFT7
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: 21 oct 2011
KiCad E.D.A.	eeschema (2011-07-08 BZR 3044)-stable
Rev: A-DRAFT7	
Id: 12/12	