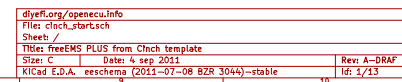
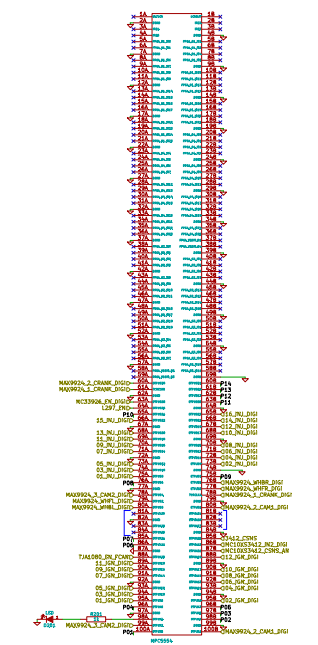
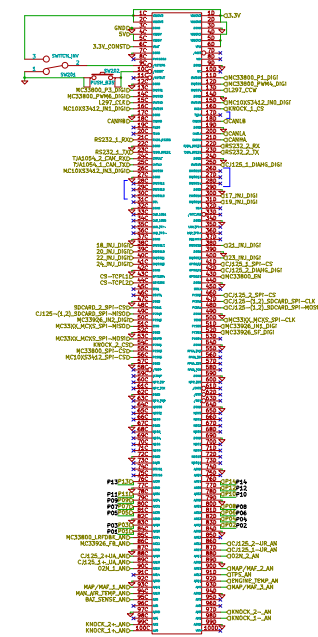
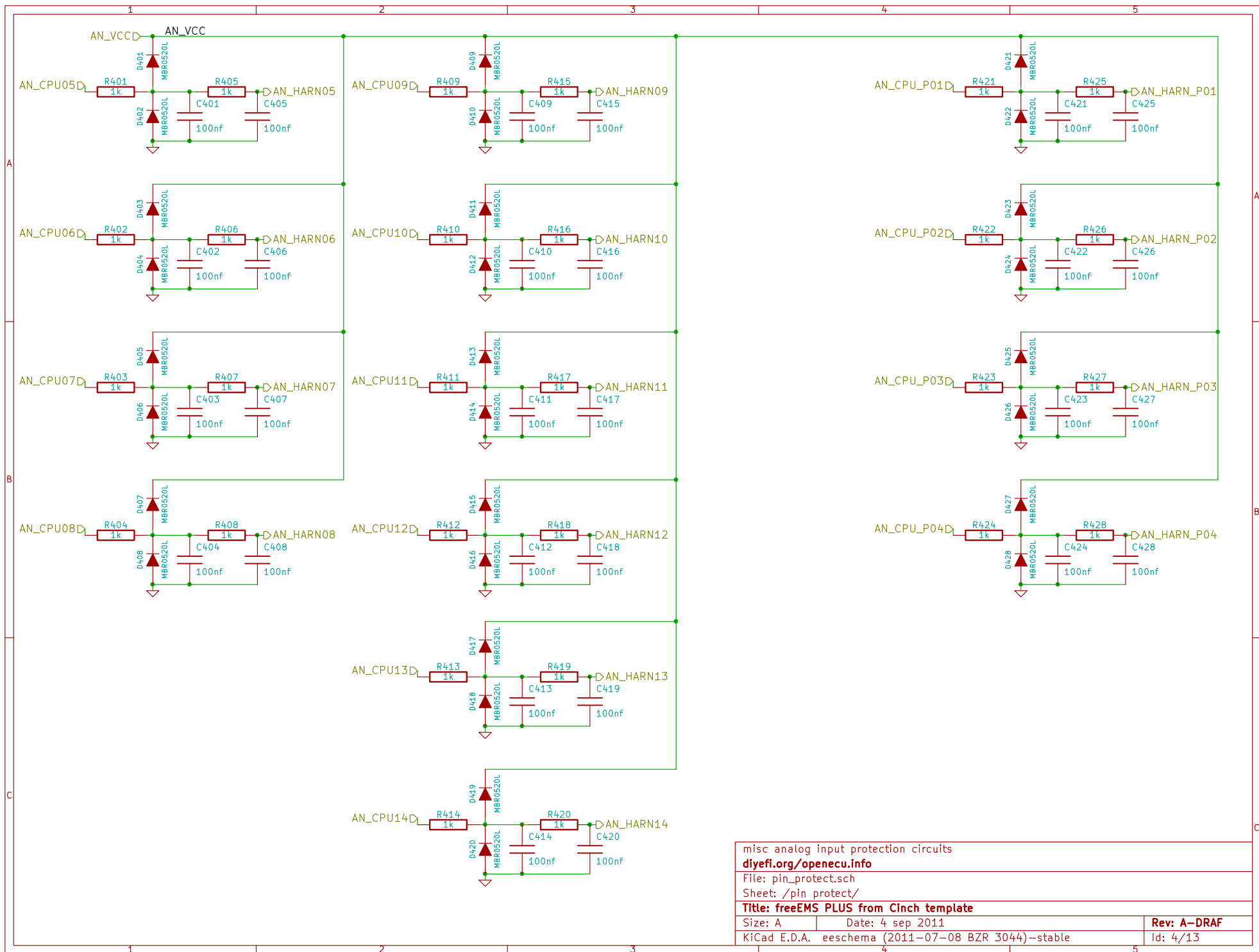


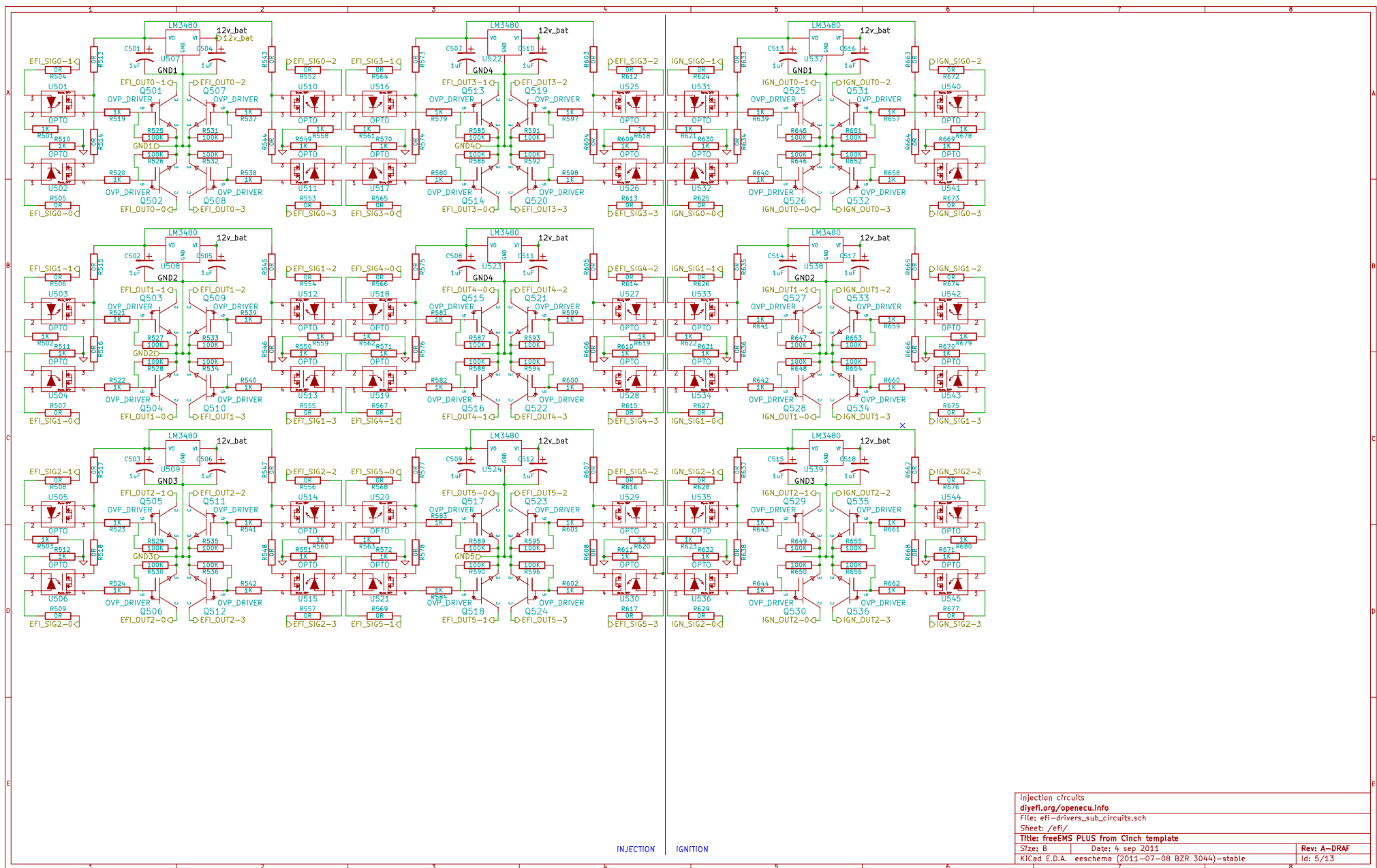
PERHAPS INSTALL USB FROM PUMA



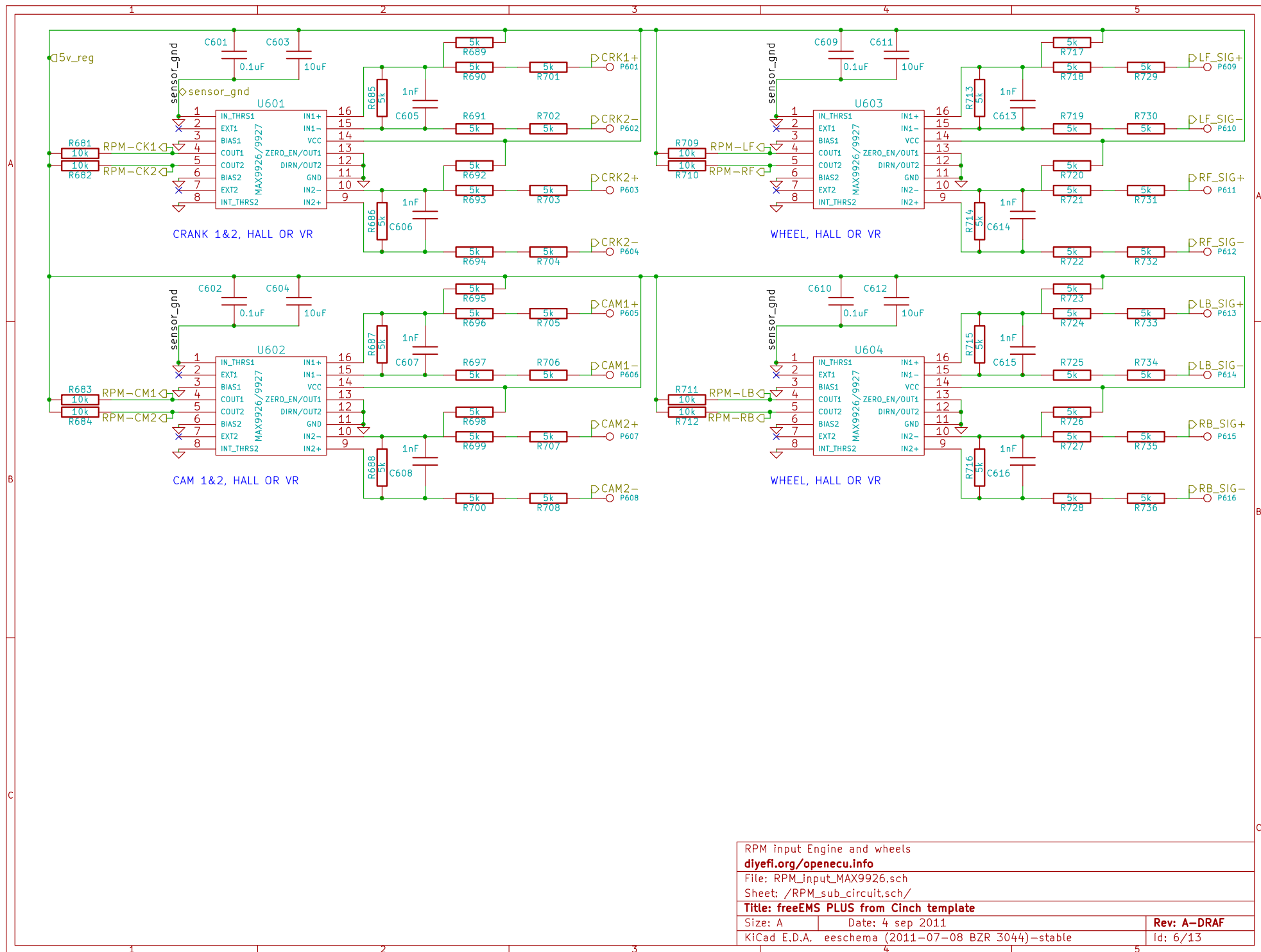








Injection circuits		
diyefi.org/openecu.info		
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Size: B	Date: 4 sep 2011	Rev: A-DRAF
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RPM input Engine and wheels

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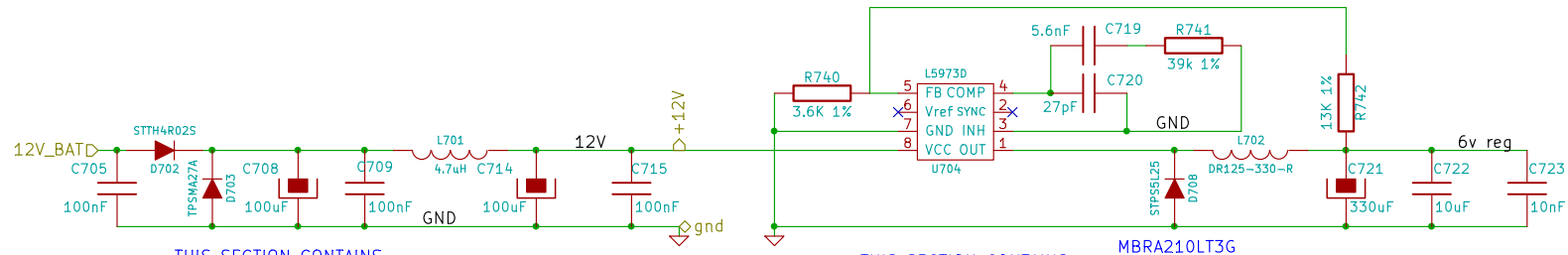
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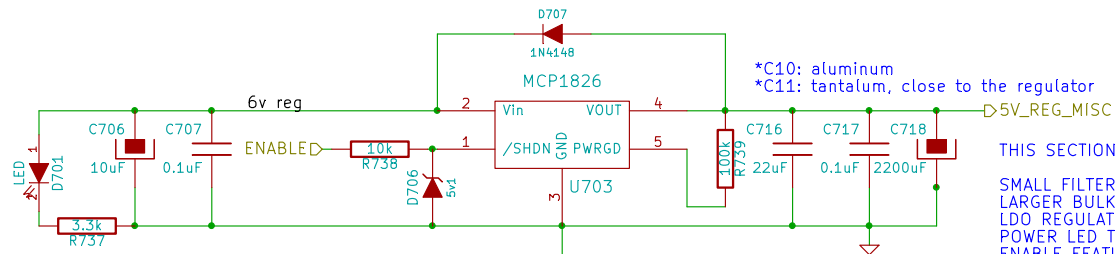


THIS SECTION CONTAINS

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

THIS SECTION CONTAINS

A 2 AMP SWITCHING 6V REGULATOR. THIS PREVENTS THE LINEARS FROM HEATING UP IN EXCESS.

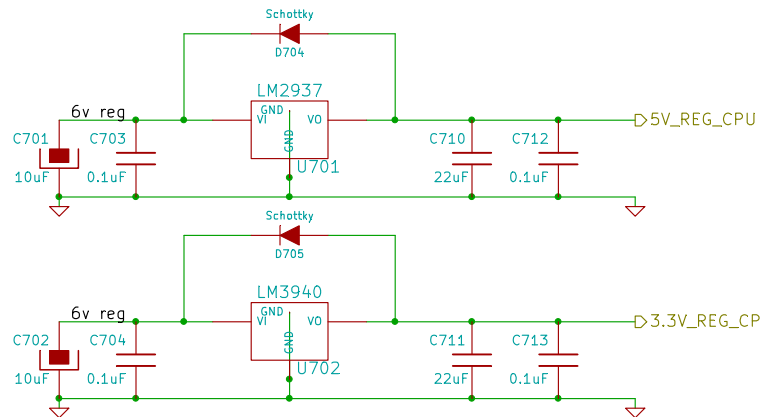


MCP regulator pin compatible with:
LP3852 or MIC29150 (26v-input capable)

*C10: aluminum
*C11: tantalum, close to the regulator

THIS SECTION CONTAINS

SMALL FILTERING CAPS TO PREVENT OSSILATION
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



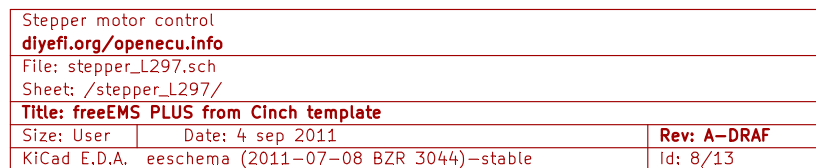
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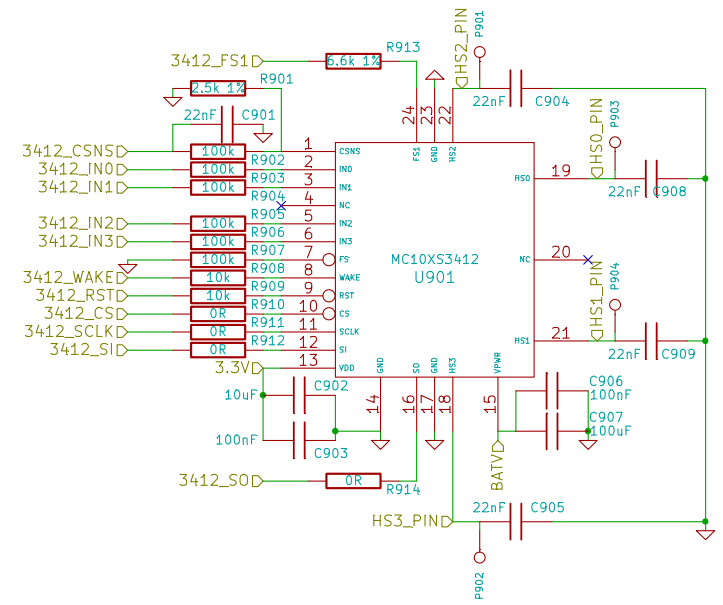
SMALL FILTERING CAPS TO PREVENT OSSILATION
LARGER BULK CAPS TO HANDLE THE BULK NEEDS
LDO REGULATOR TO GENERATE A 1 AMP 5V PERCISSION LOW RIPPLE SOURCE

THIS SECTION CONTAINS

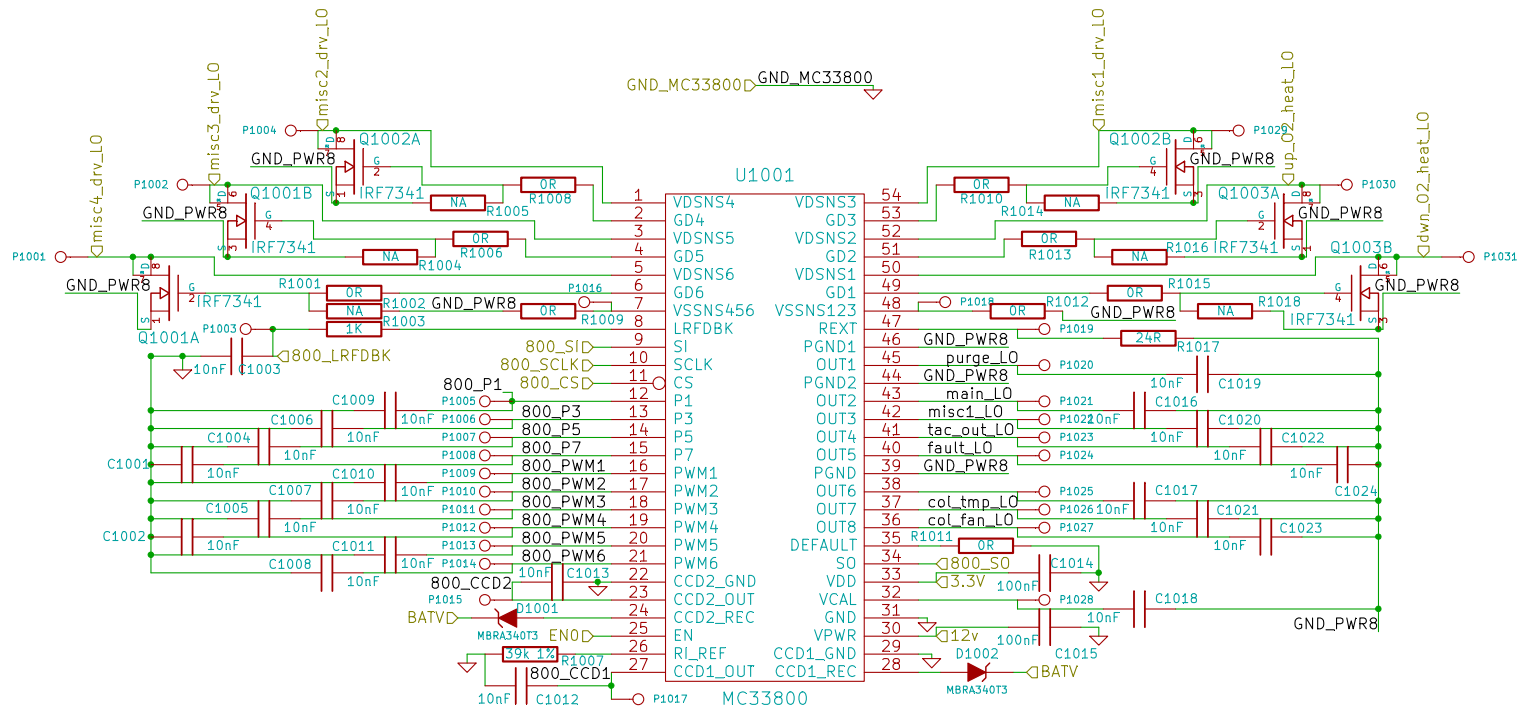
SMALL FILTERING CAPS TO PREVENT OSSILATION
LARGER BULK CAPS TO HANDLE THE BULK NEEDS
LDO REGULATOR TO GENERATE A 1 AMP 3.3V PERCISSION LOW RIPPLE SOURCE

power regulator		
diyefi.org/openecu.info		
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Size: A	Date: 4 sep 2011	Rev: A-DRAF
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High side drive circuits	
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Size: A4	Date: 4 sep 2011
Rev: A-DRAF	
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misc high side and low side drives

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File: low_side_drive.sch

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Title: freeEMS PLUS from Cinch template

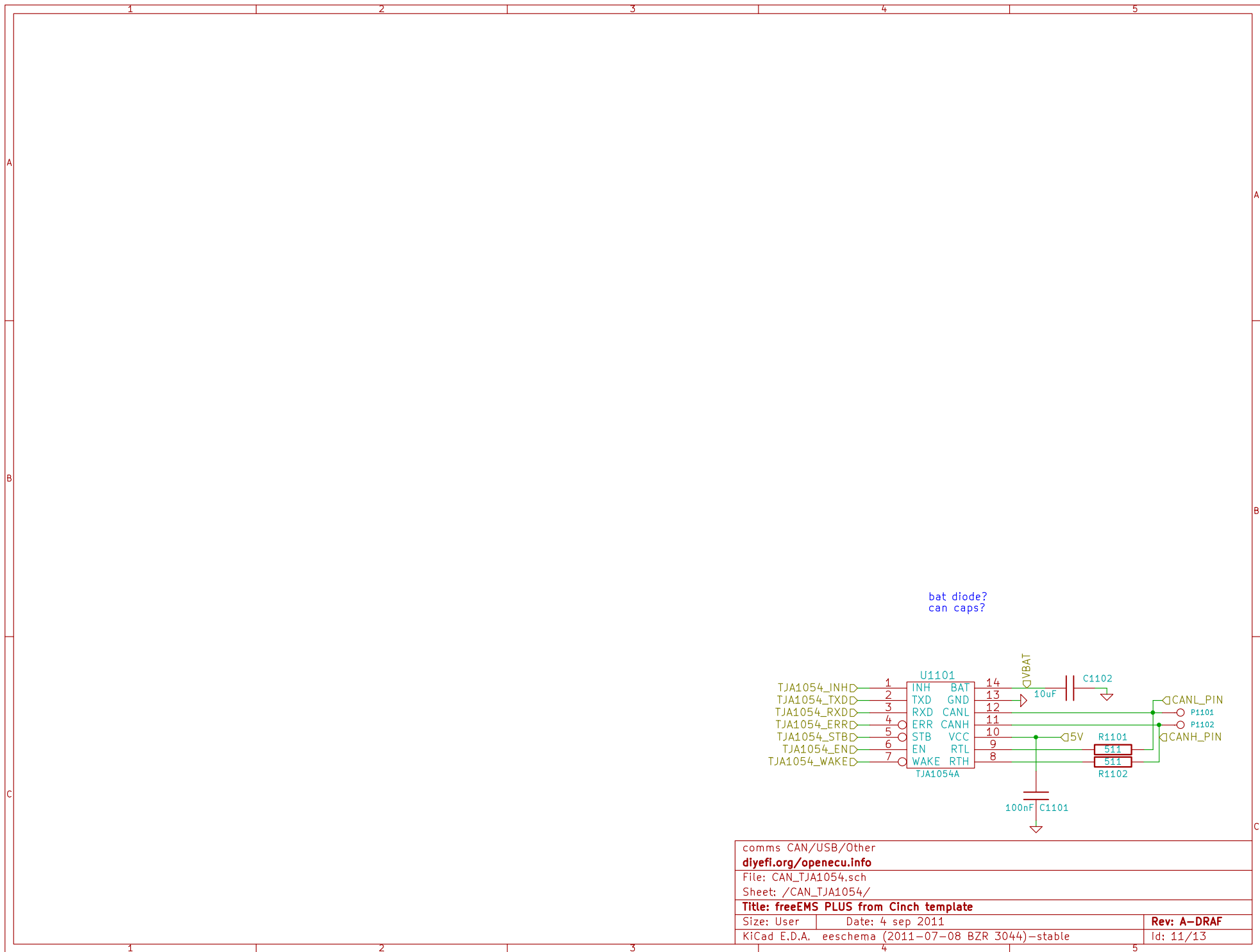
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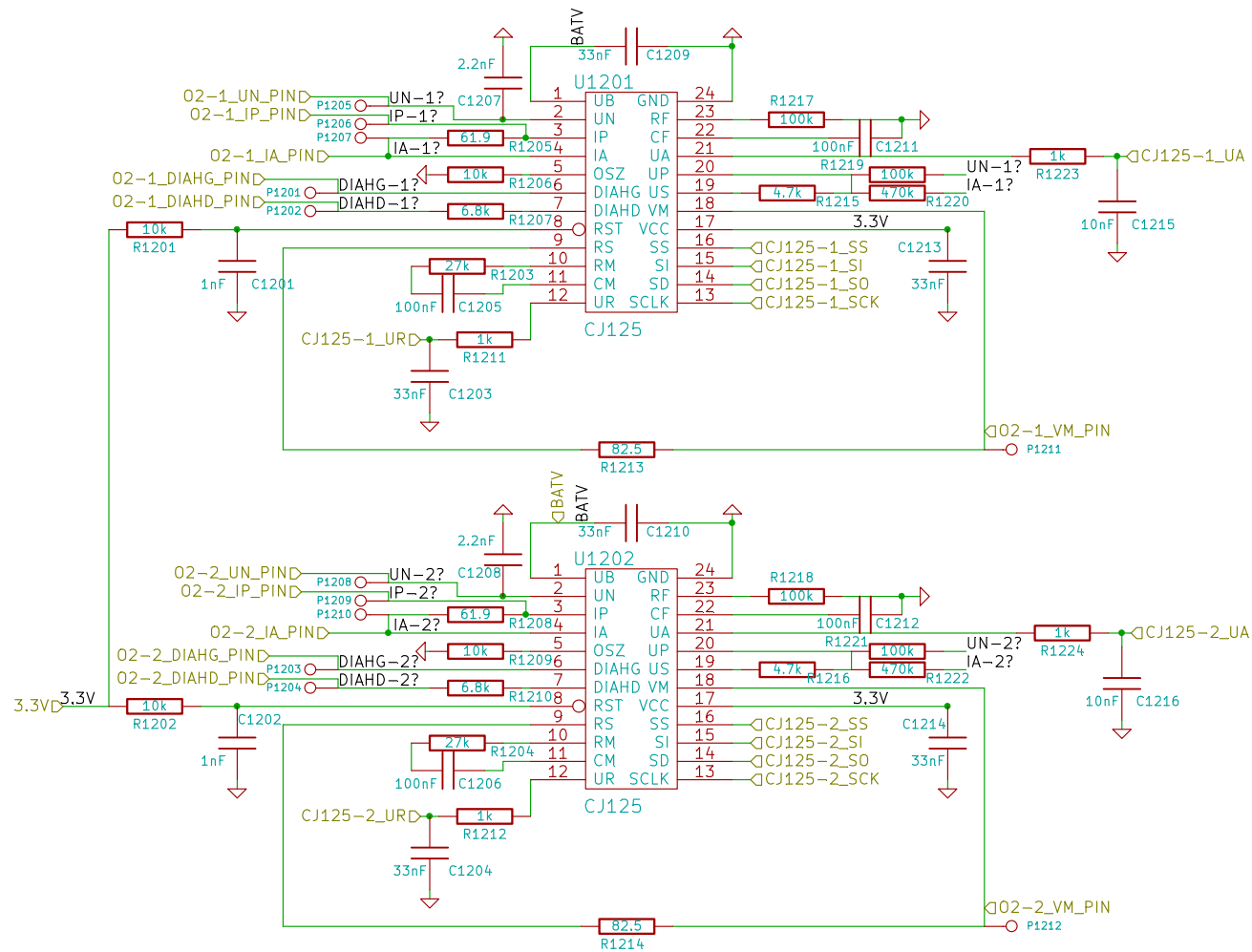
Date: 4 sep 2011

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2 channels of Wide O2

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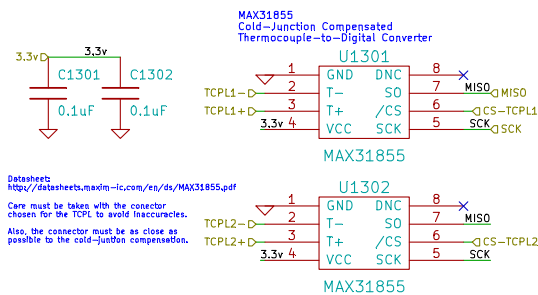
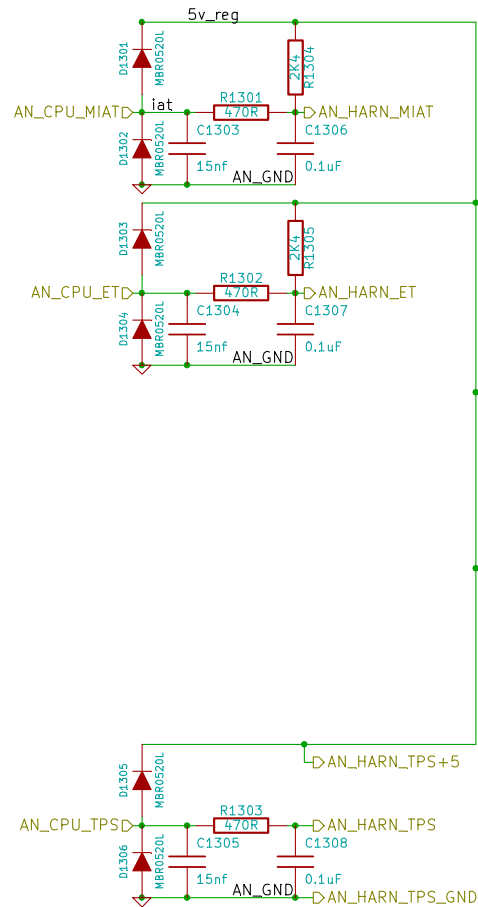
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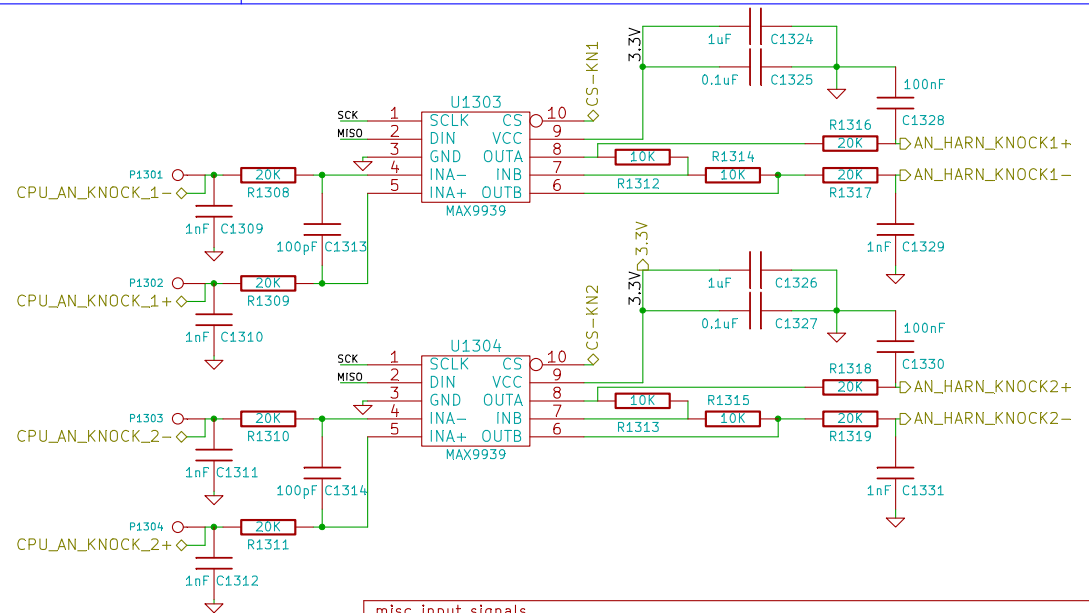
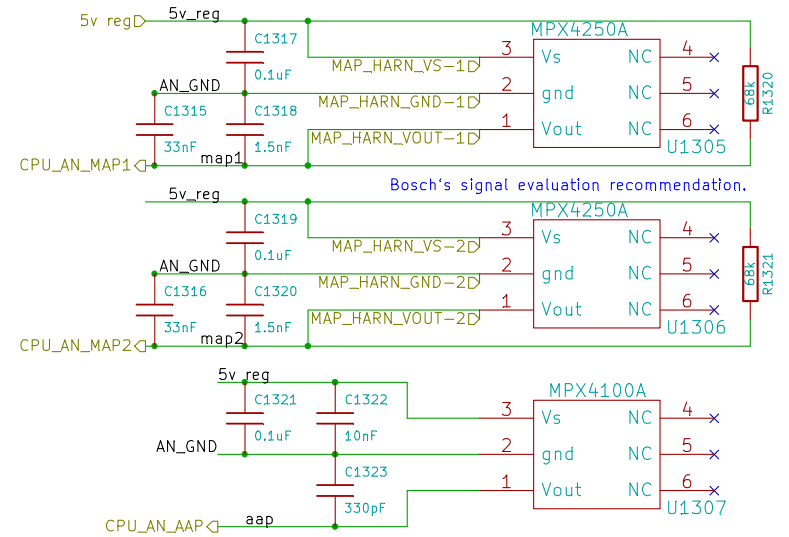
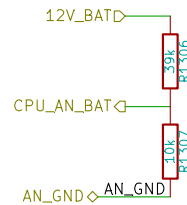
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BATTERY SENSOR



misc input signals

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File: SENSOR_INPUTS.sch

Sheet: /SENSOR_INPUTS.sch/

Title: freeEMS PLUS from Cinch template

Size: A4 Date: 4 sep 2011

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