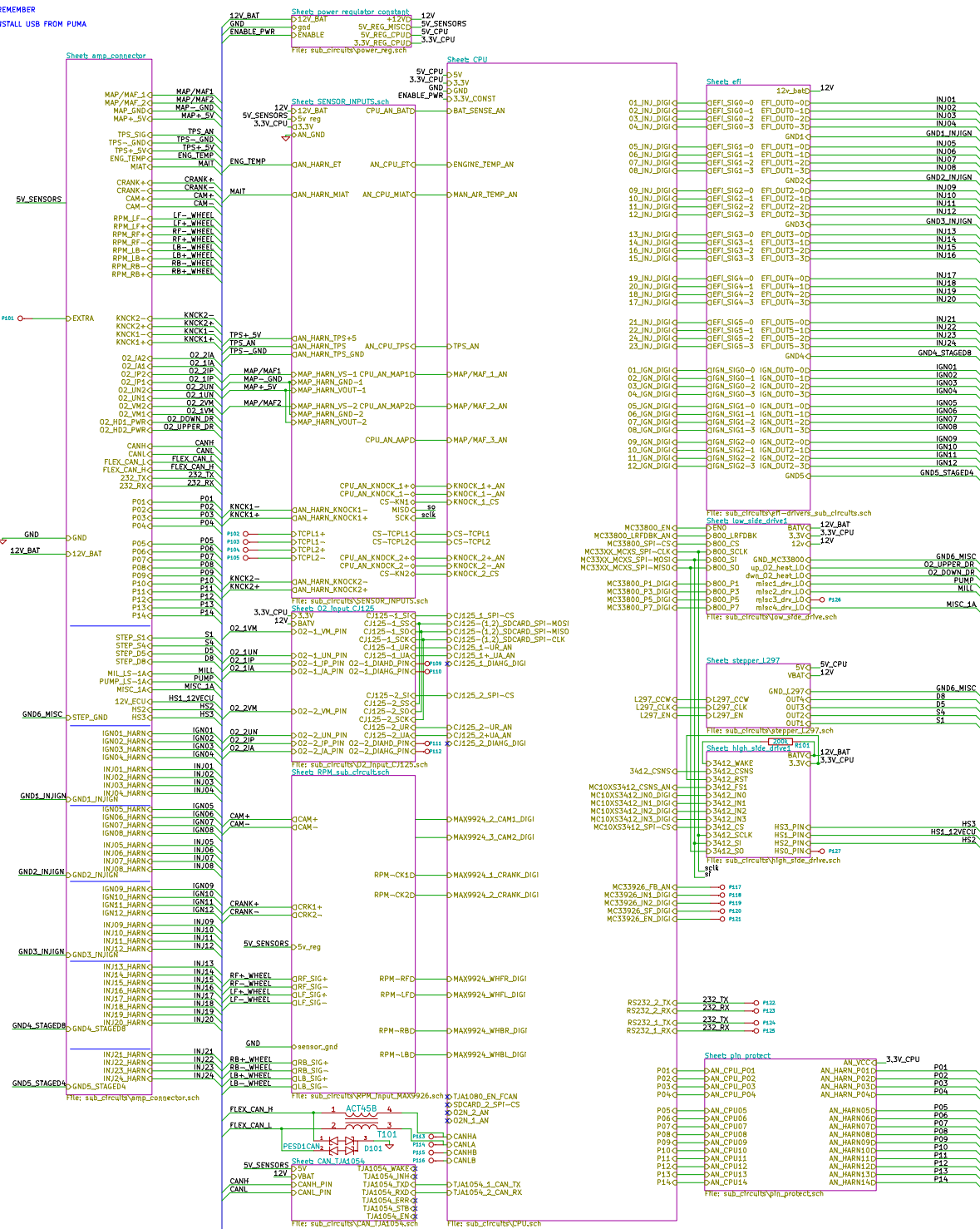
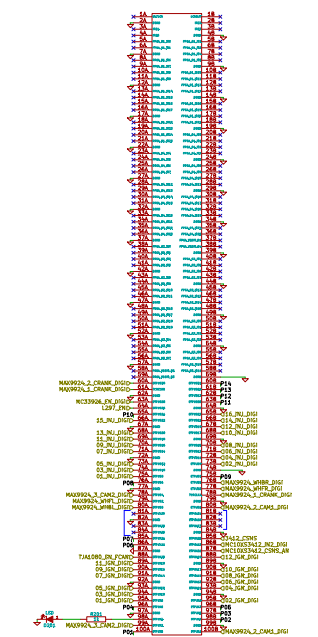
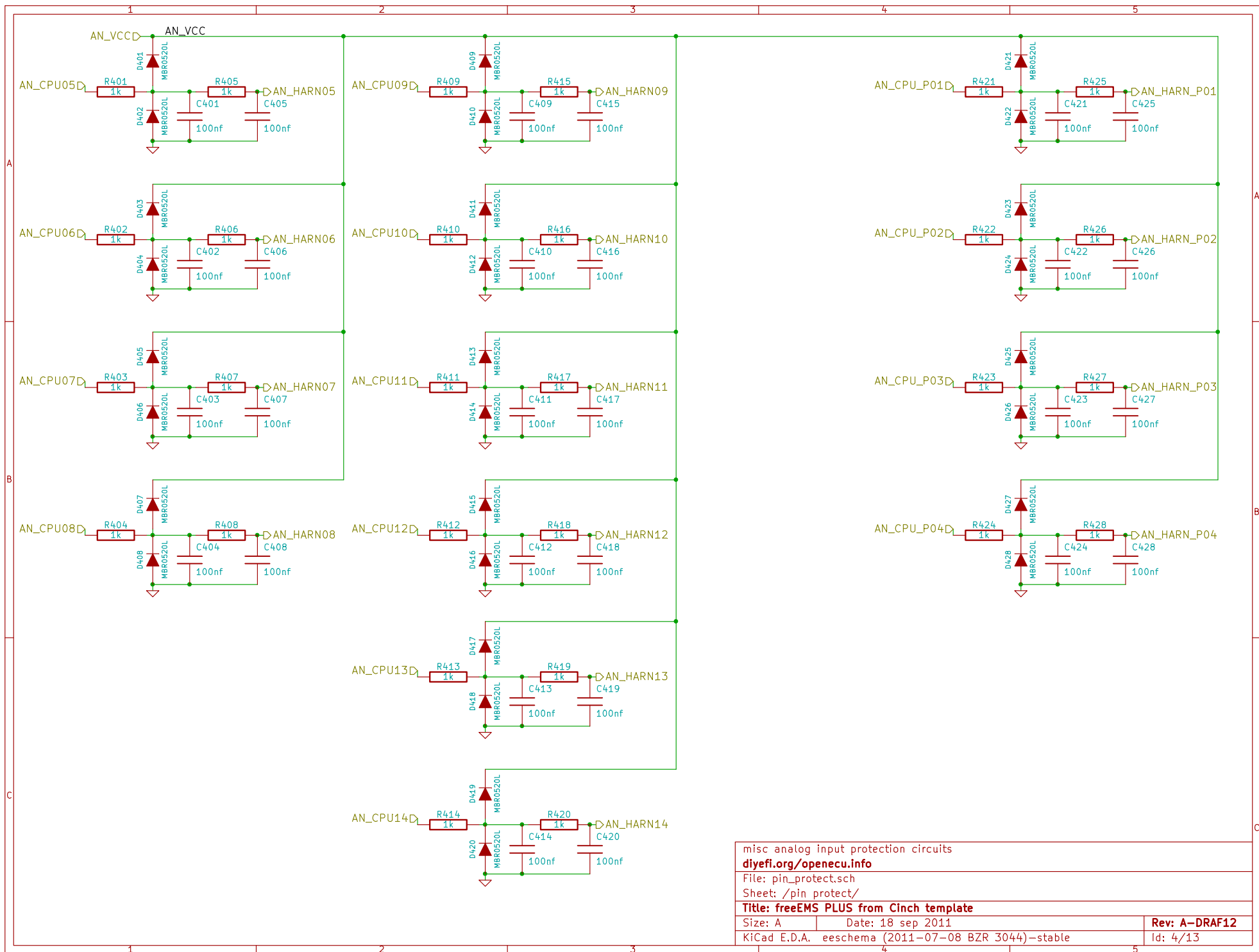


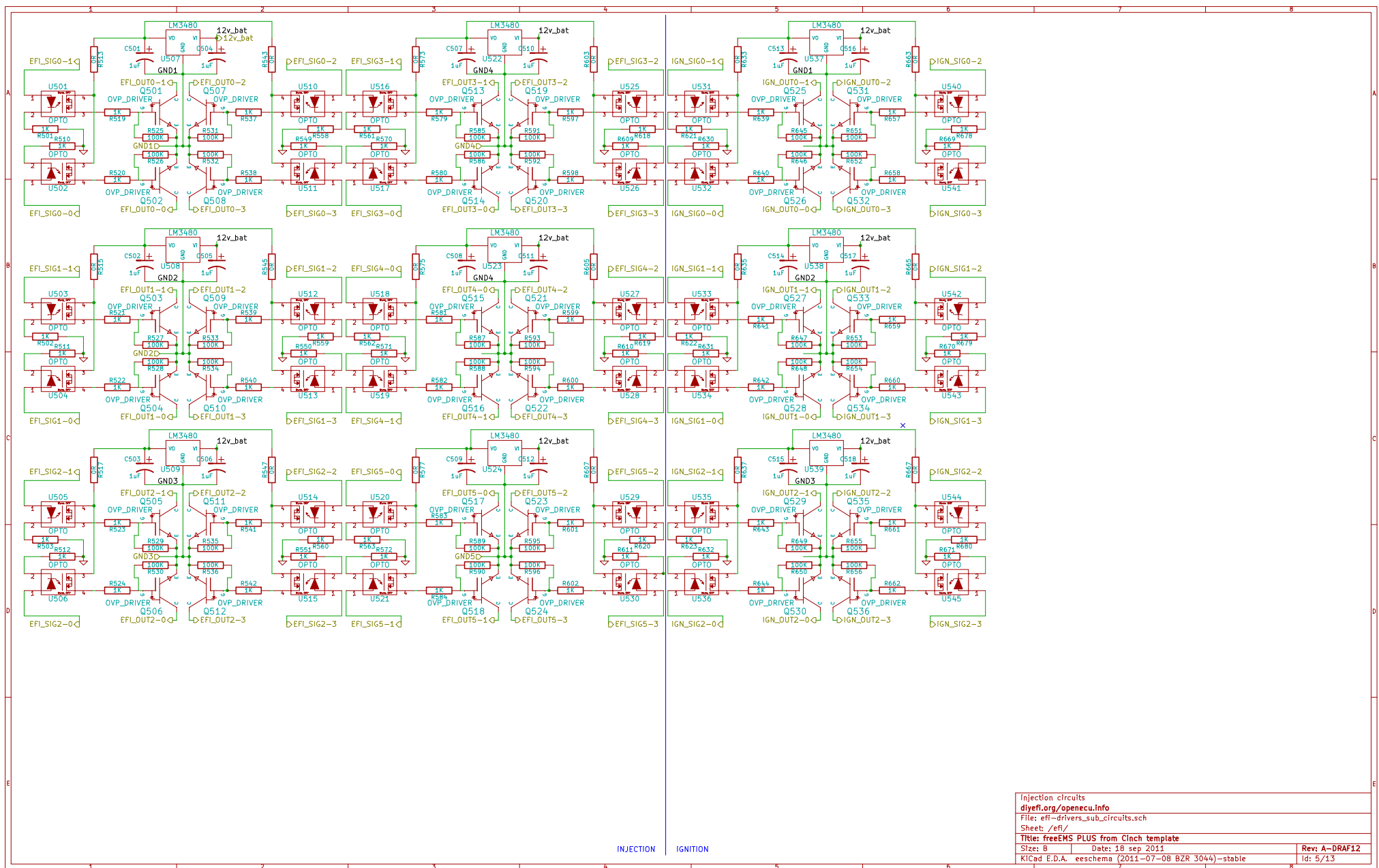
NOTES TO REMEMBER
PERHAPS INSTALL USB FROM PUMA

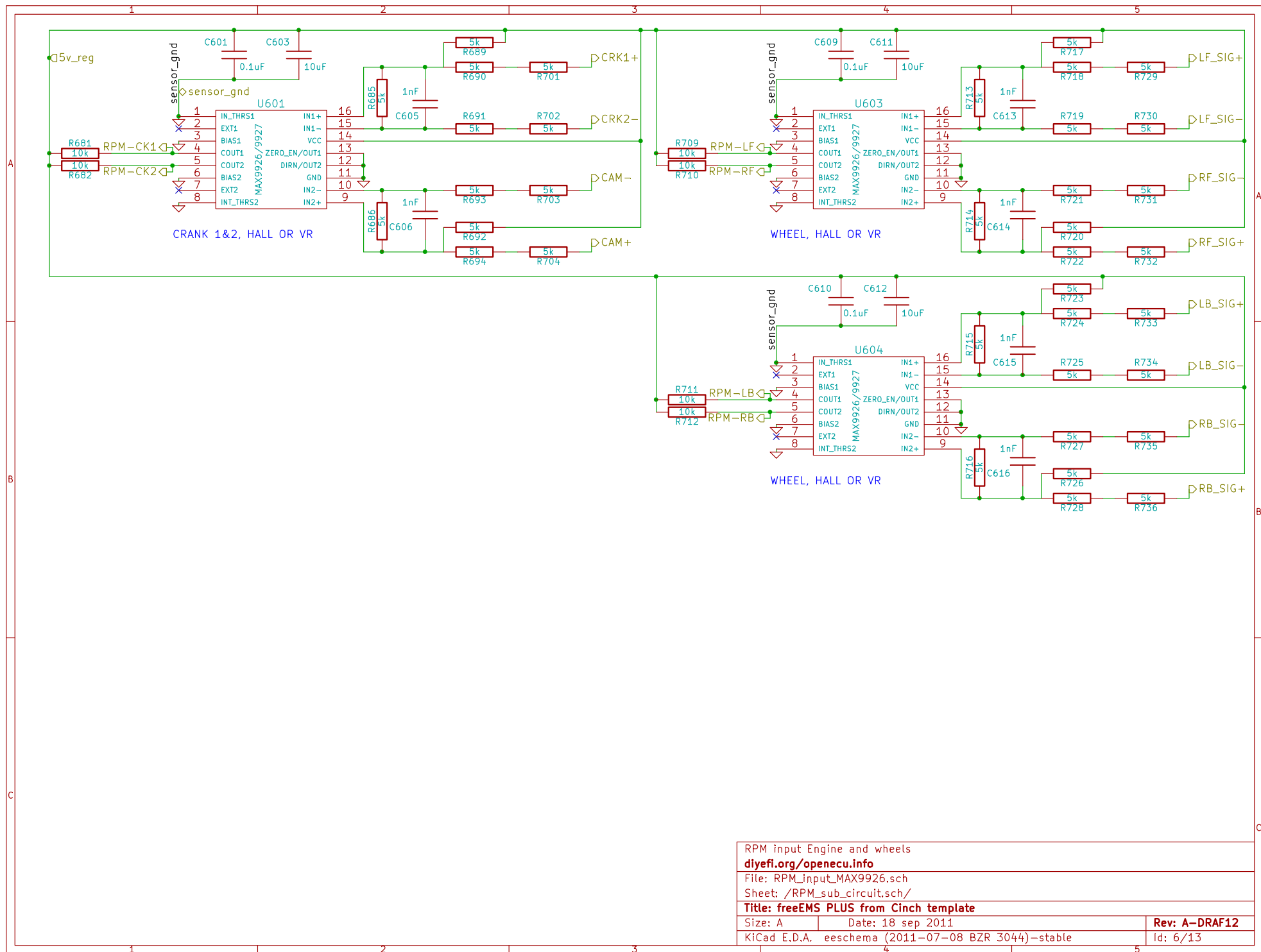












RPM input Engine and wheels

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File: RPM_input_MAX9926.sch

Sheet: /RPM_sub_circuit.sch/

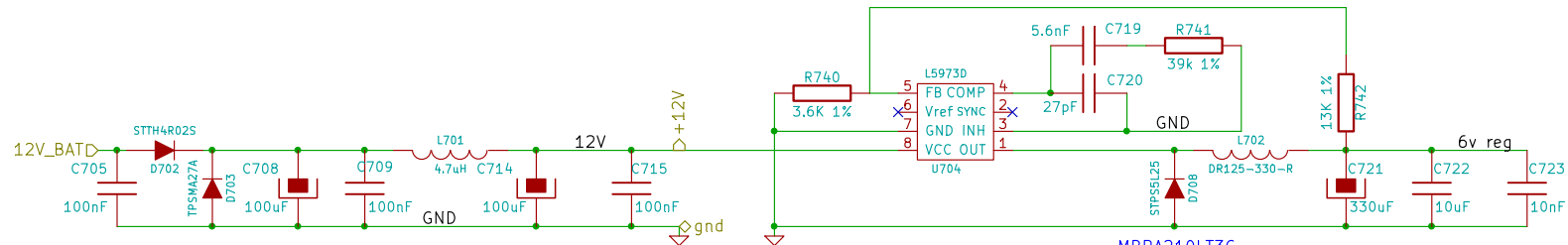
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Size: A Date: 18 sep 2011

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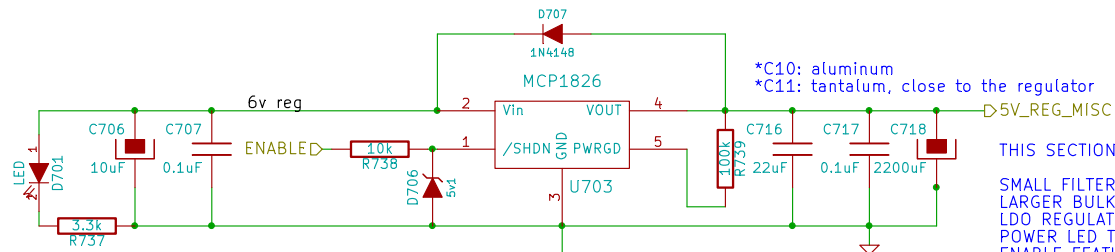


THIS SECTION CONTAINS

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.

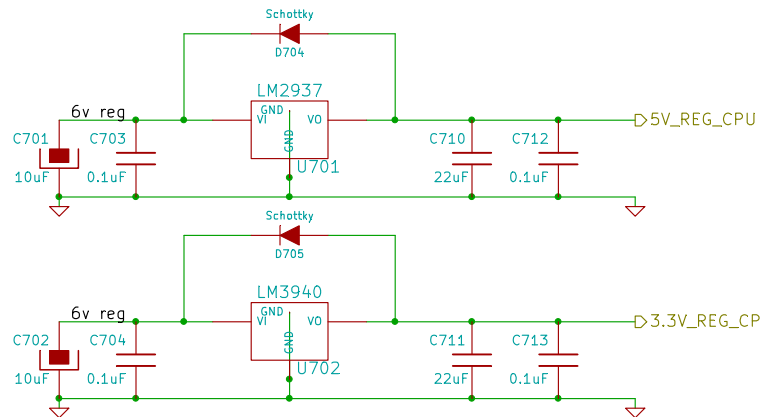


MCP regulator pin compatible with:
LP3852 or MIC29150 (26v-input capable)

*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



THIS SECTION CONTAINS

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

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File: power_reg.sch

Sheet: /power regulator constant/

Title: freeEMS PLUS from Cinch template

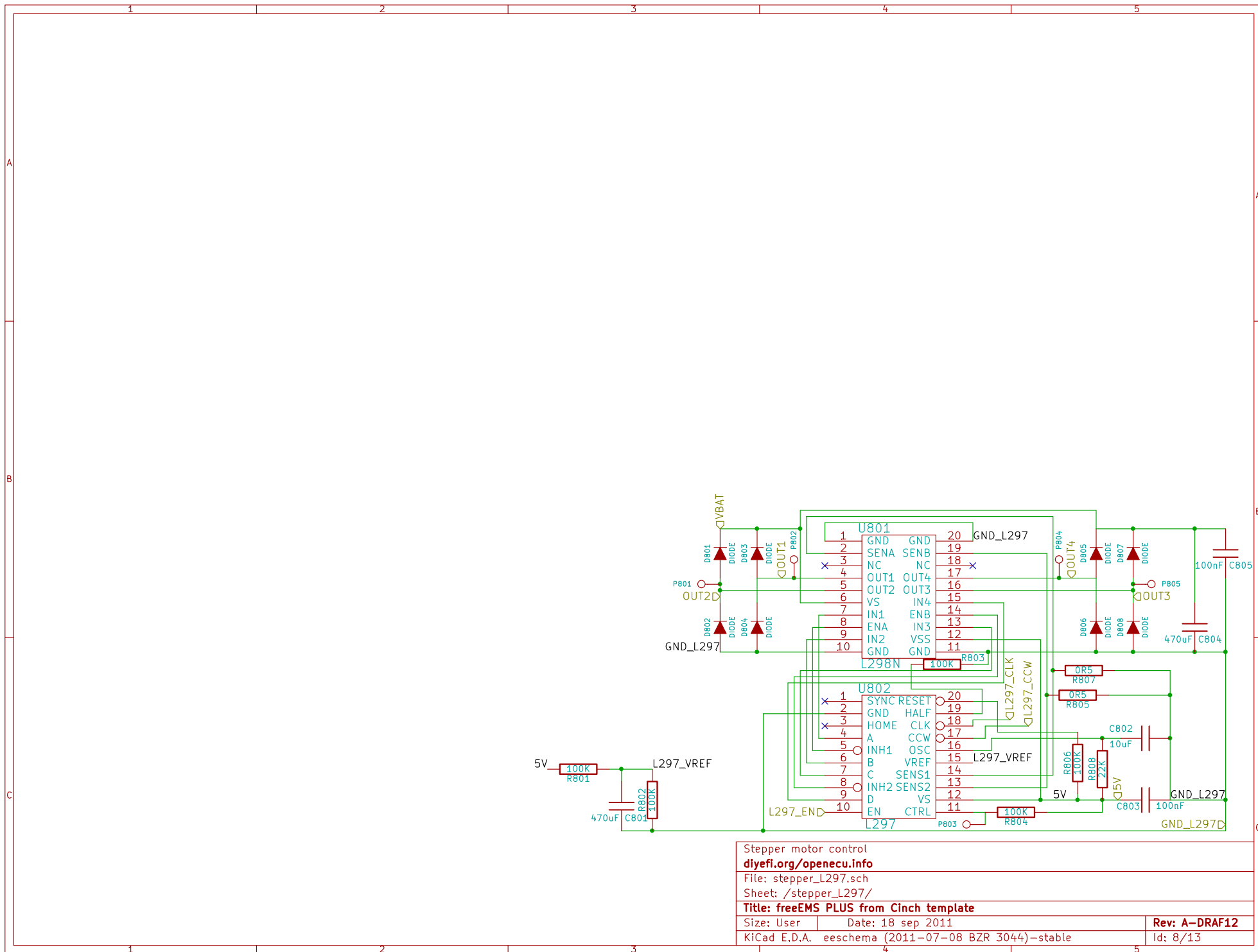
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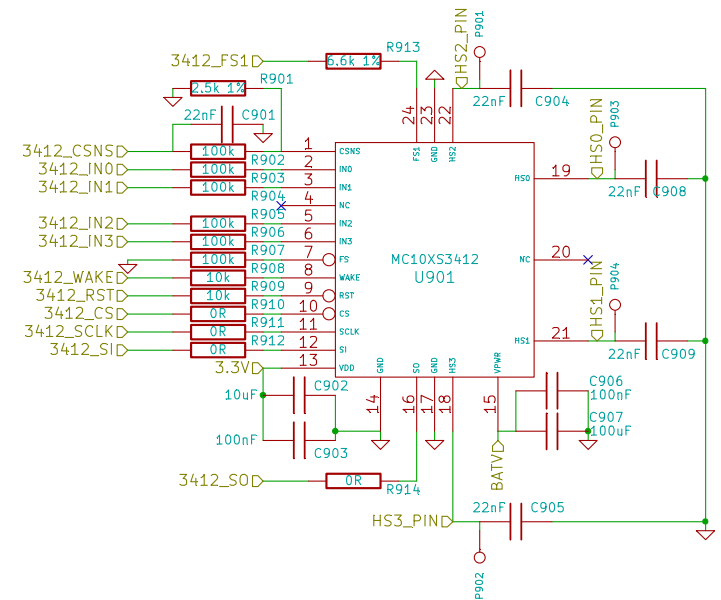
Date: 18 sep 2011

Rev: A-DRAF12

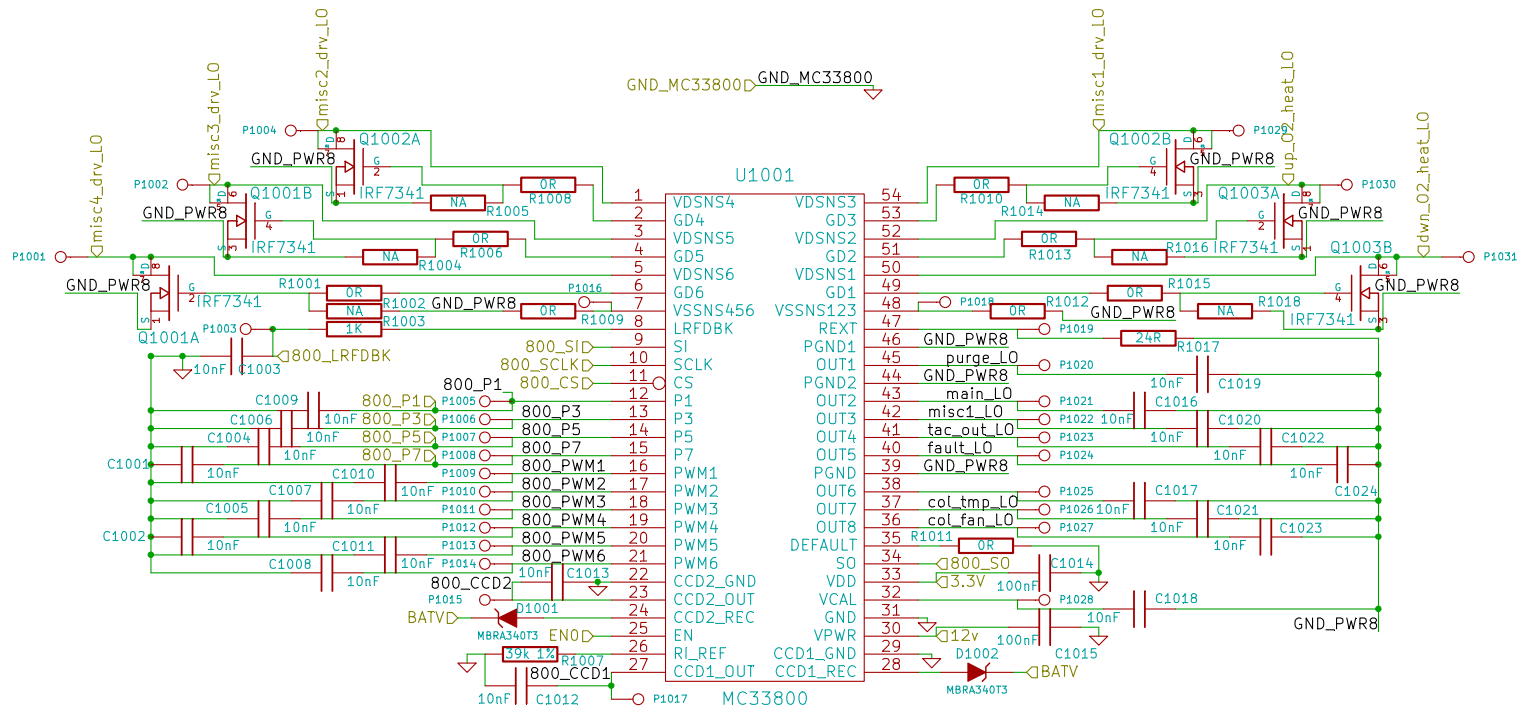
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High side drive circuits	
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Sheet: /high_side_drive1/	
Title: freeEMS PLUS from Cinch template	
Size: A4	Date: 18 sep 2011
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misc high side and low side drives

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File: low_side_drive.sch

Sheet: /low_side_drive1/

Title: freeEMS PLUS from Cinch template

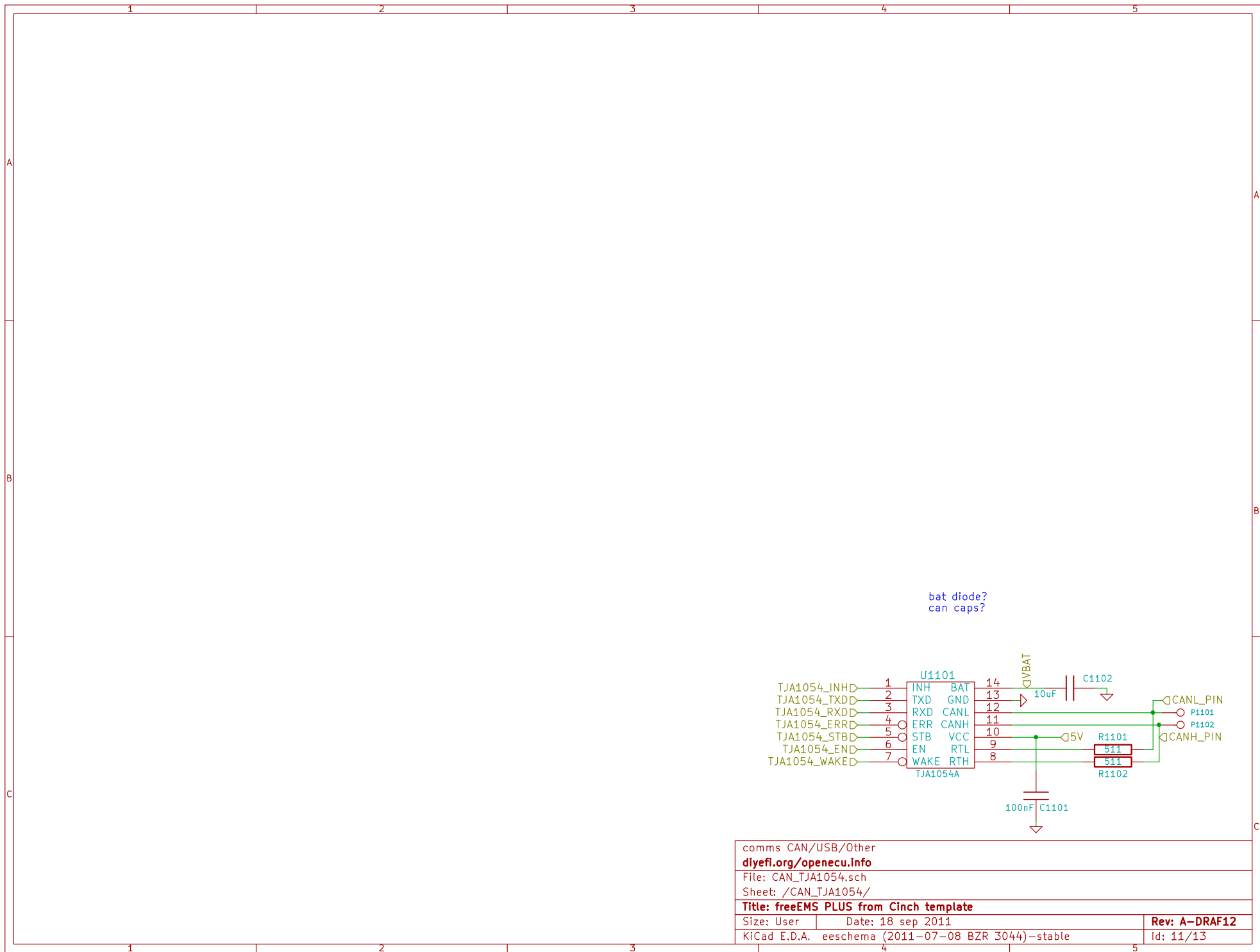
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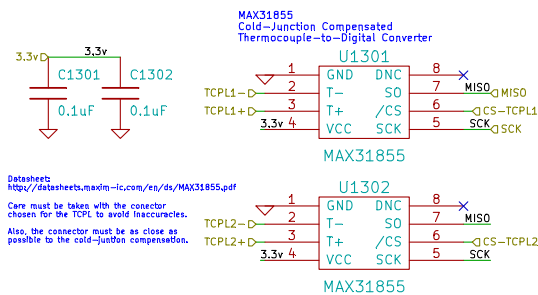
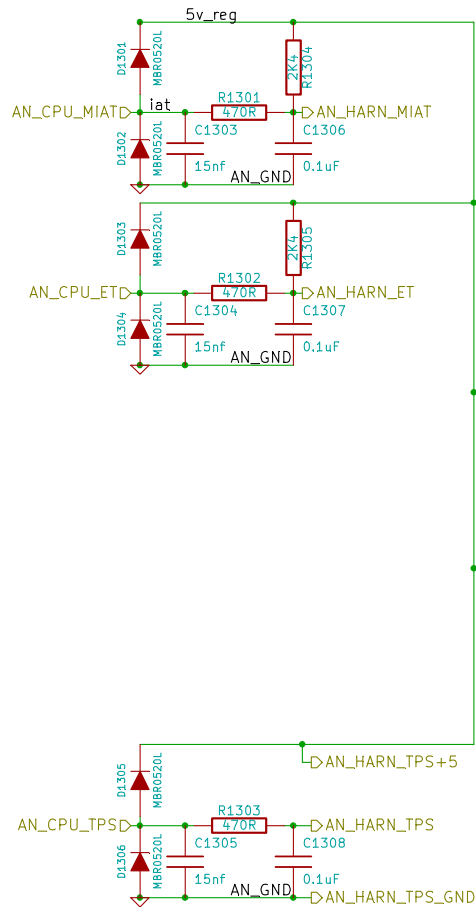
Date: 18 sep 2011

Rev: A-DRAF12

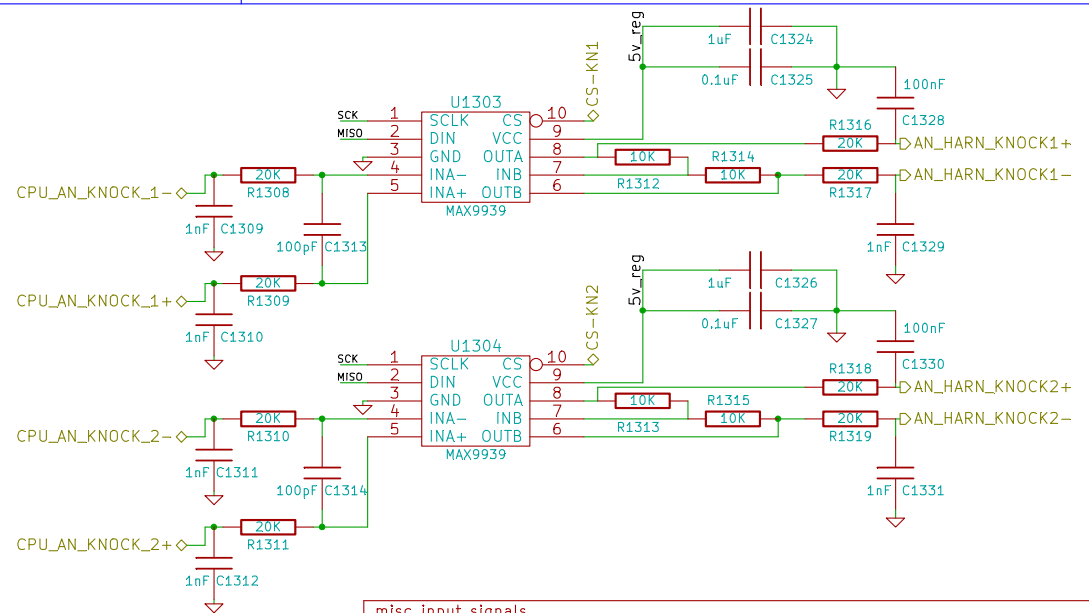
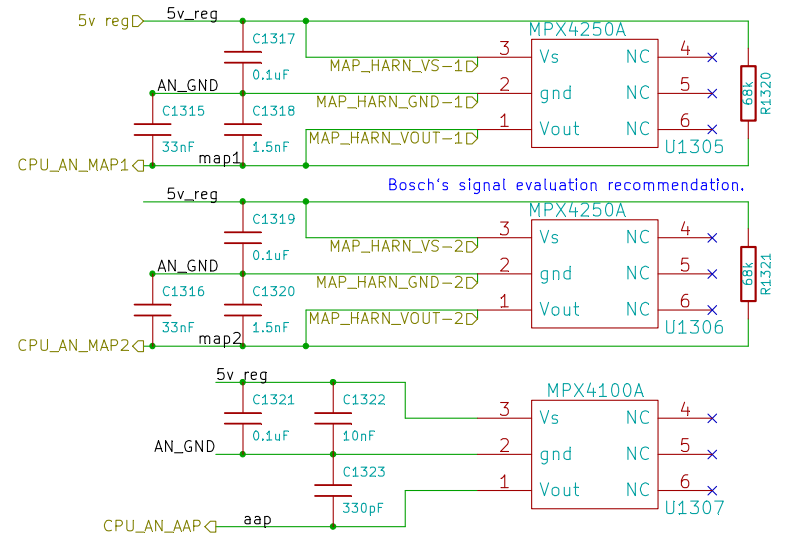
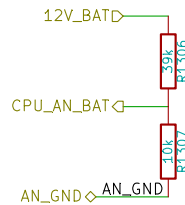
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BATTERY SENSOR



misc input signals

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File: SENSOR_INPUTS.sch

Sheet: /SENSOR_INPUTS.sch/

Title: freeEMS PLUS from Cinch template

Size: A4 Date: 18 sep 2011

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Rev: A-DRAF12

Id: 13/13