

RPM input Engine and wheels

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File: RPM_input_MAX9926.sch

Sheet: /RPM_sub_circuit.sch/

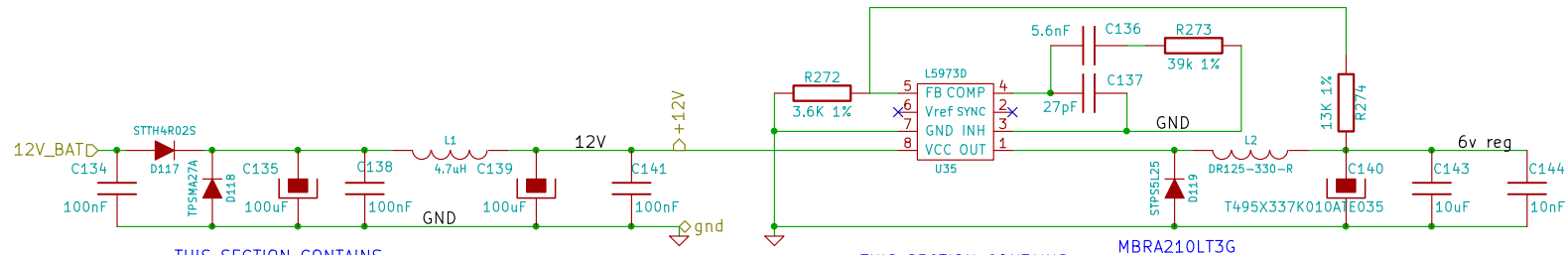
Title: freeEMS PLUS from Cinch template

Size: A Date: 7 aug 2011

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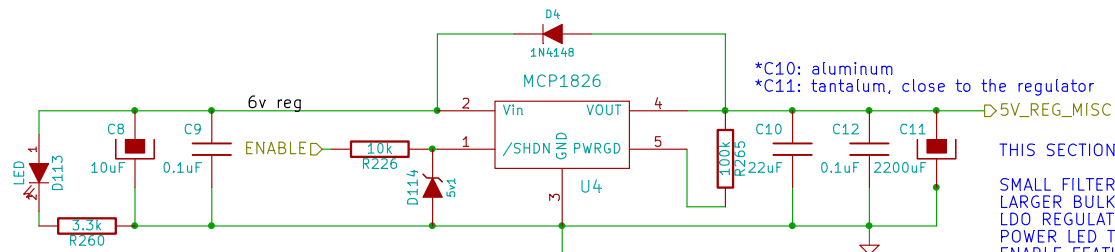
Rev: A

Id: 4/14



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

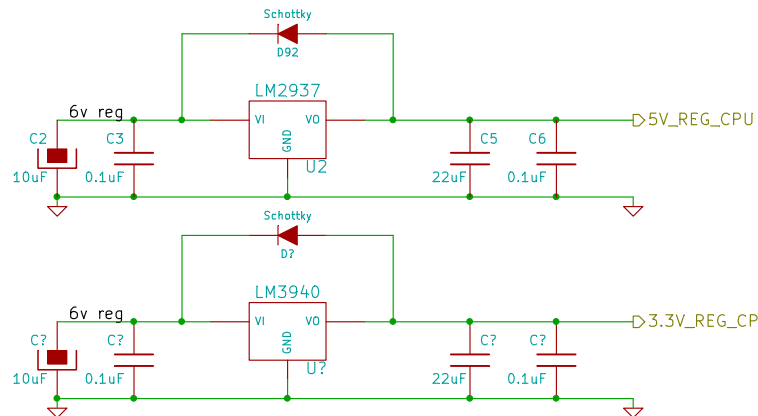
A 2 AMP SWITCHING 6V REGULATOR. THIS PREVENTS THE LINEARS FROM HEATING UP IN EXCESS.



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

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



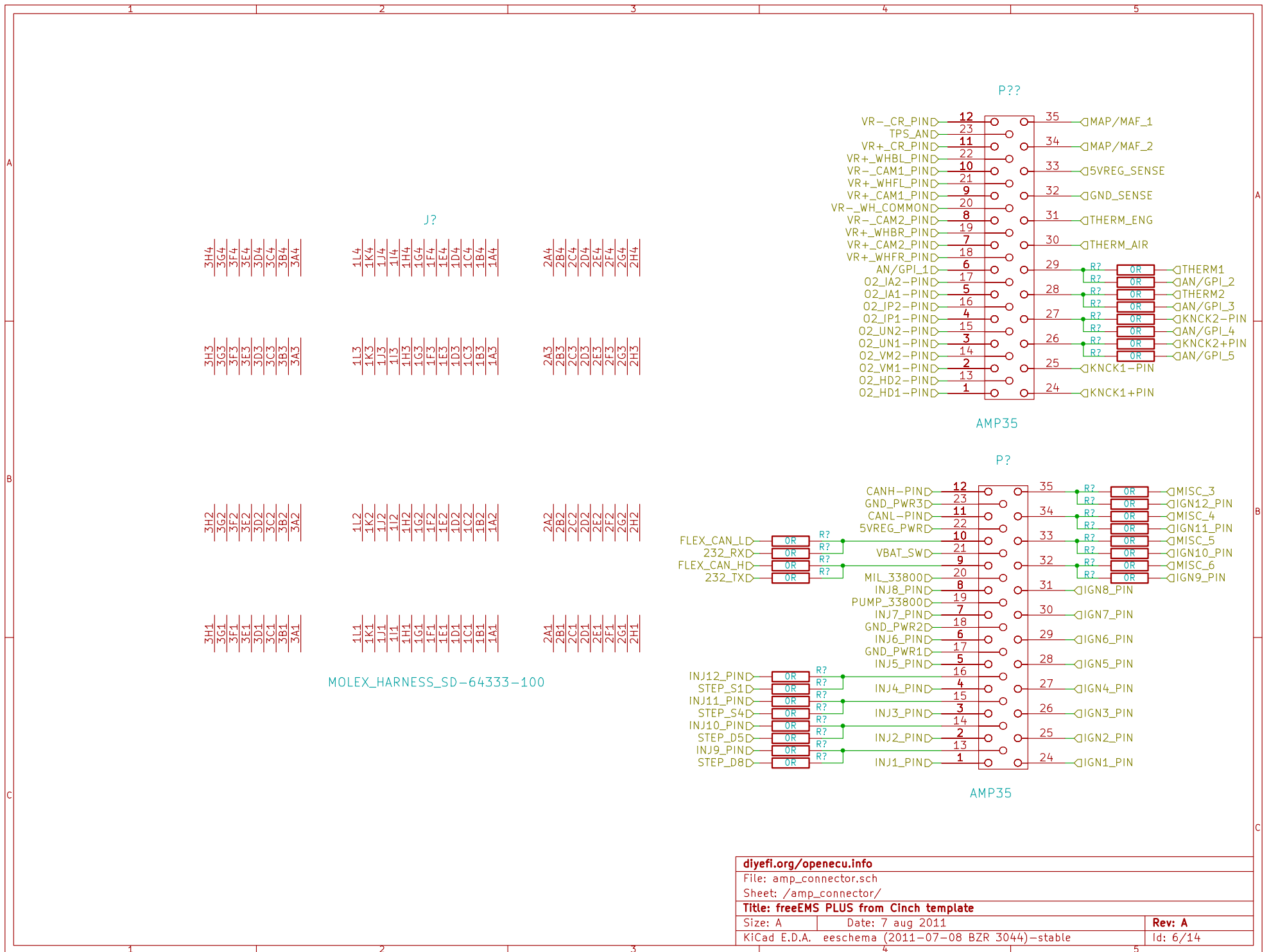
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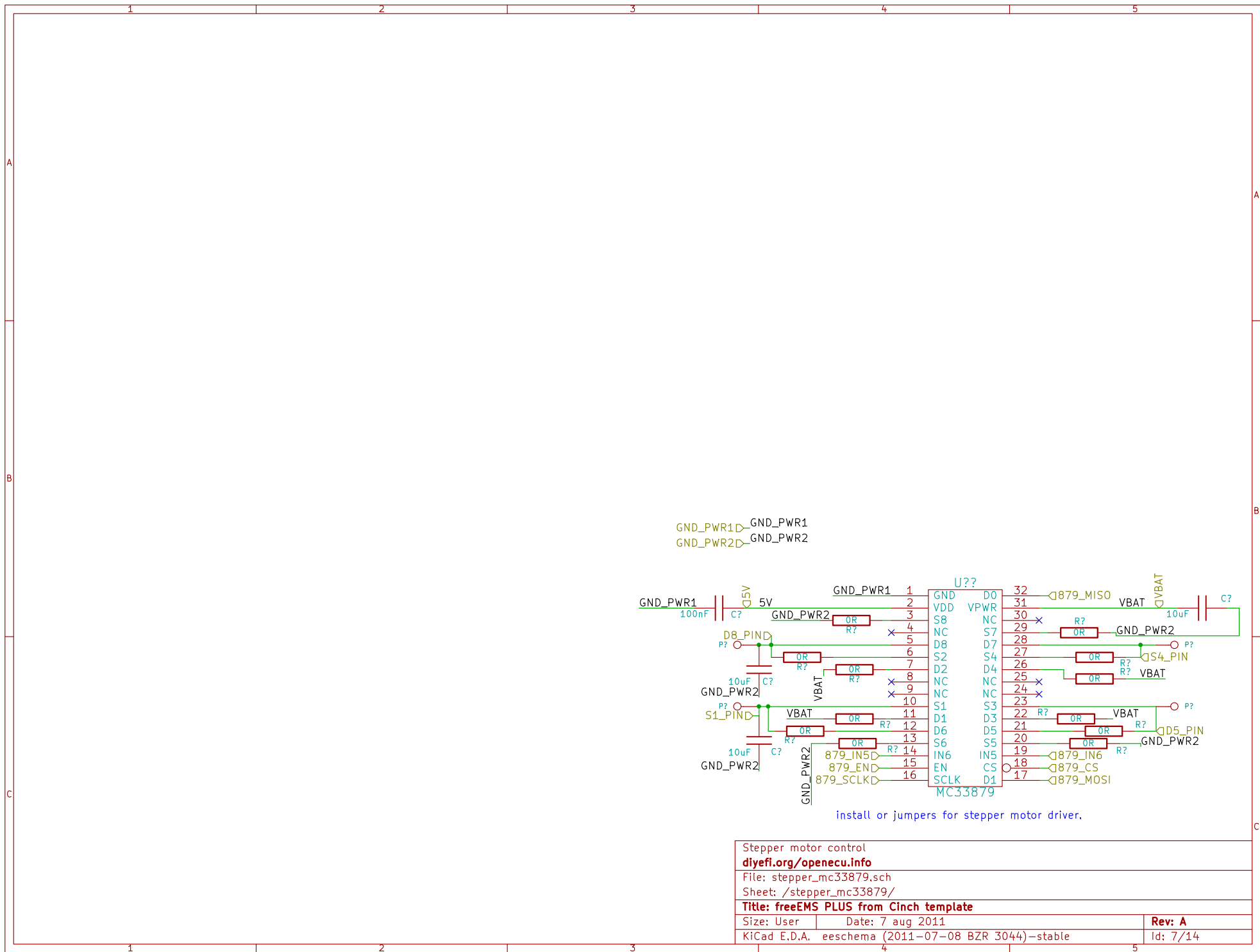
SMALL FILTERING CAPS TO PREVENT OSSILATION
LARGER BULK CAPS TO HANDLE THE BULK NEEDS
LDO REGULATOR TO GENERATE A 1 AMP 5V PERCISSION LOW RIPPLE SOURCE

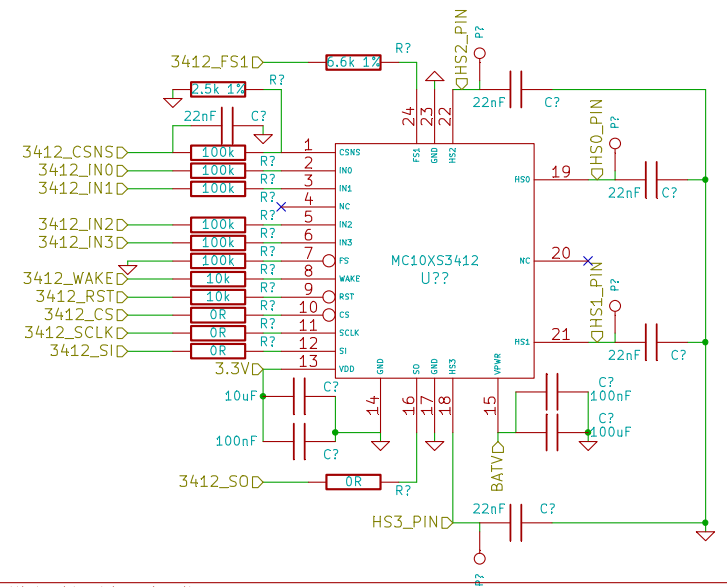
THIS SECTION CONTAINS

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

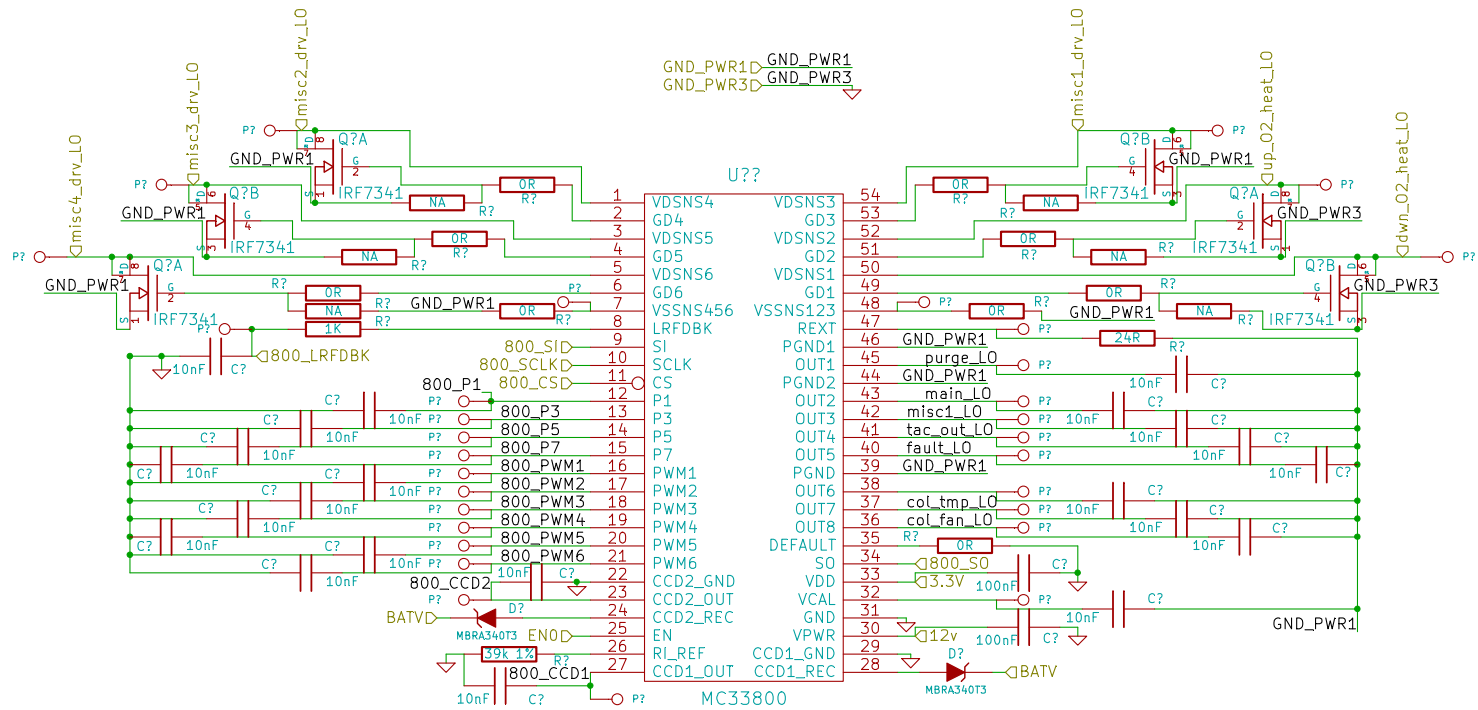
power regulator		
diyefi.org/openecu.info		
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Title: freeEMS PLUS from Cinch template		
Size: A	Date: 7 aug 2011	Rev: A
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High side drive circuits	
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File: high_side_drive.sch	
Sheet: /high_side_drive1/	
Title: freeEMS PLUS from Cinch template	
Size: A4	Date: 7 aug 2011
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Rev: A	
Id: 8/14	



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

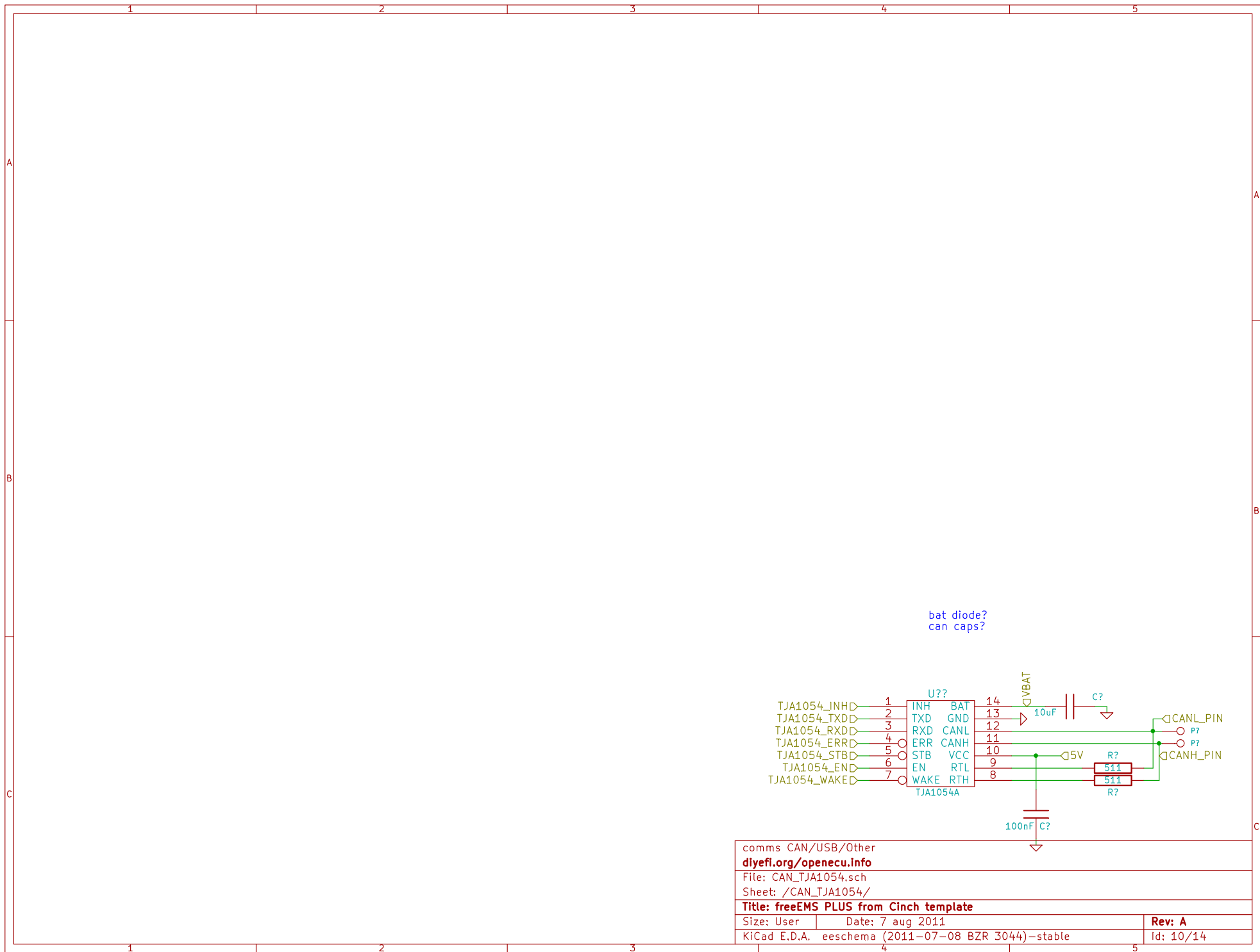
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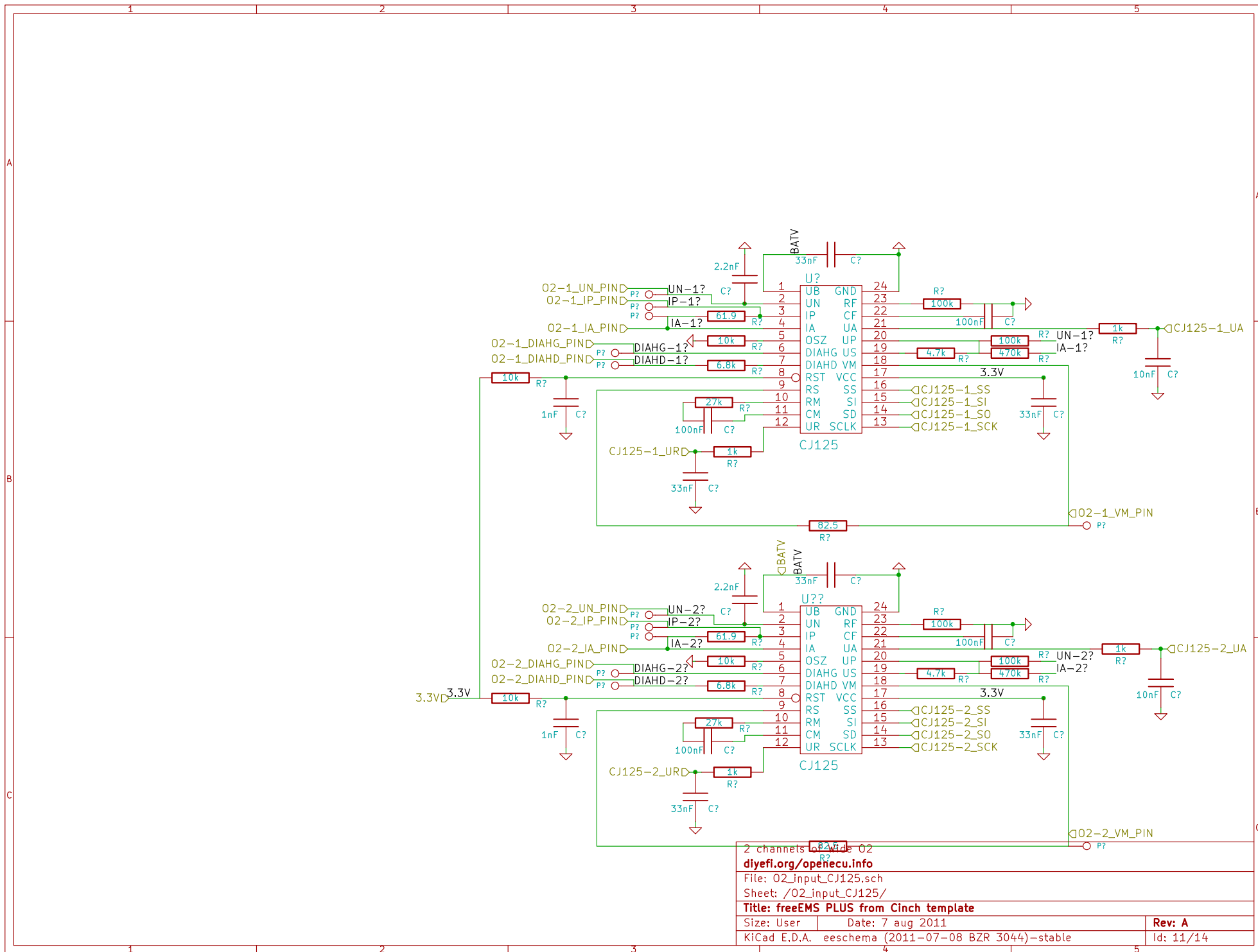
Date: 7 aug 2011

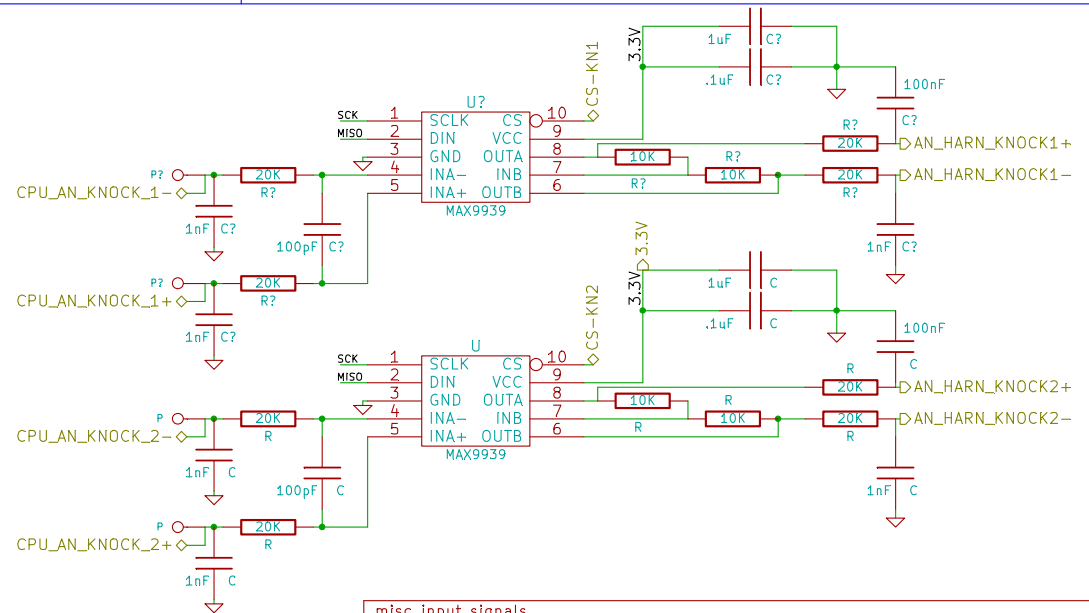
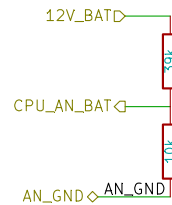
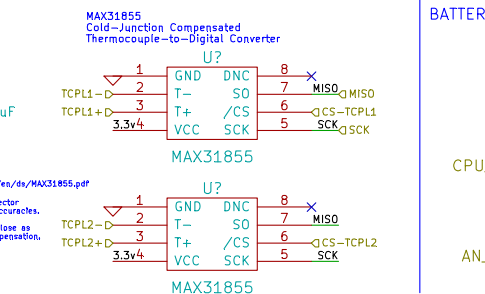
Rev: A

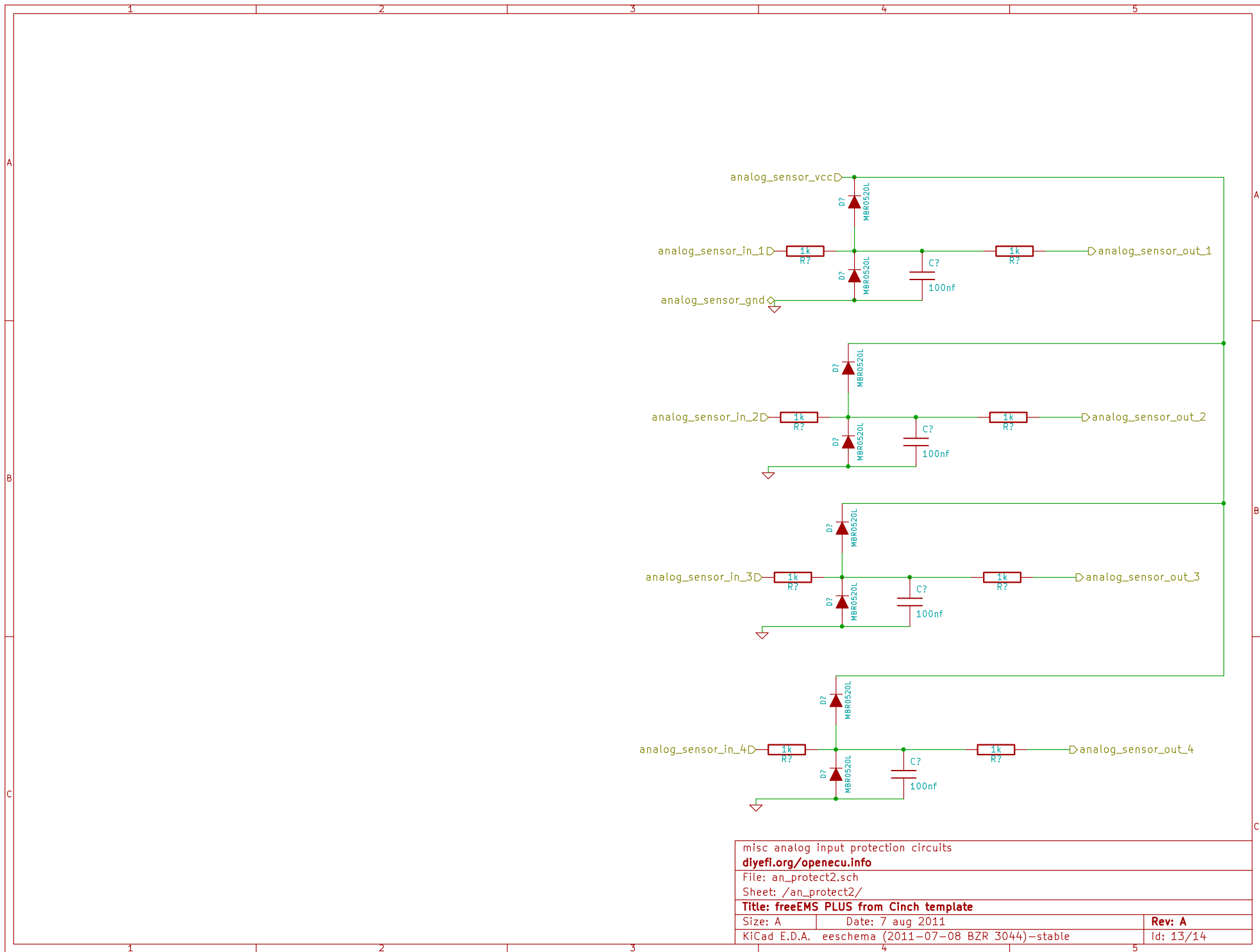
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misc analog input protection circuits

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File: an_protect2.sch

Sheet: /an_protect2/

Title: freeEMS PLUS from Cinch template

Size: A

Date: 7 aug 2011

Rev: A

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