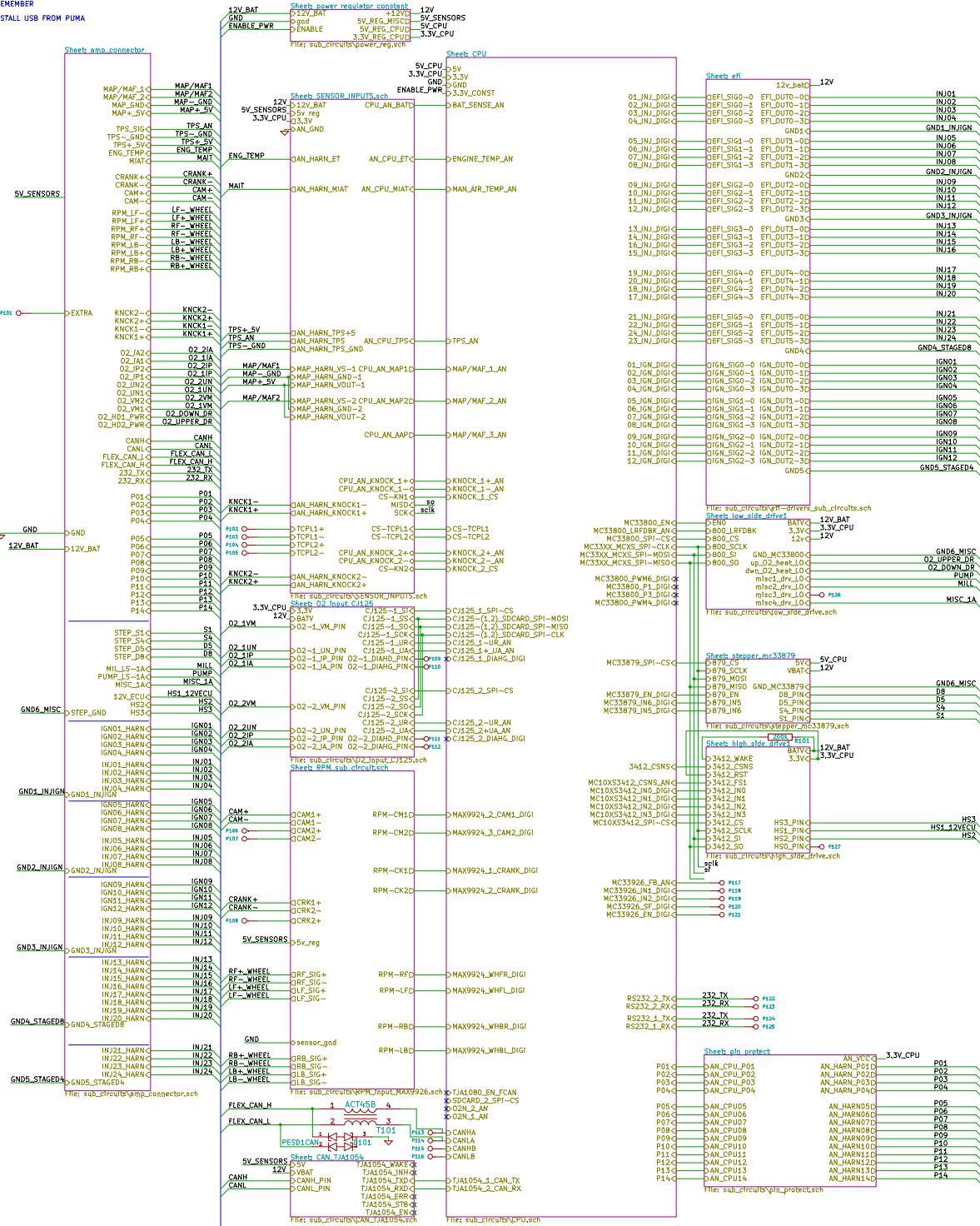
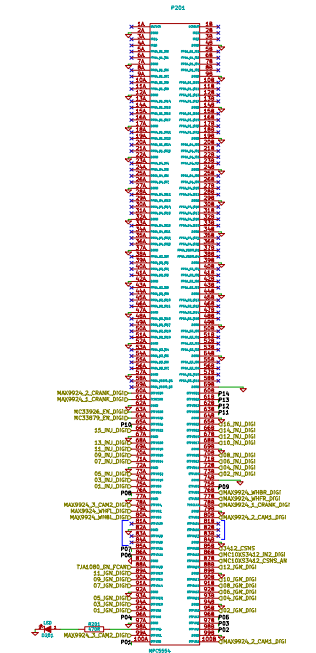


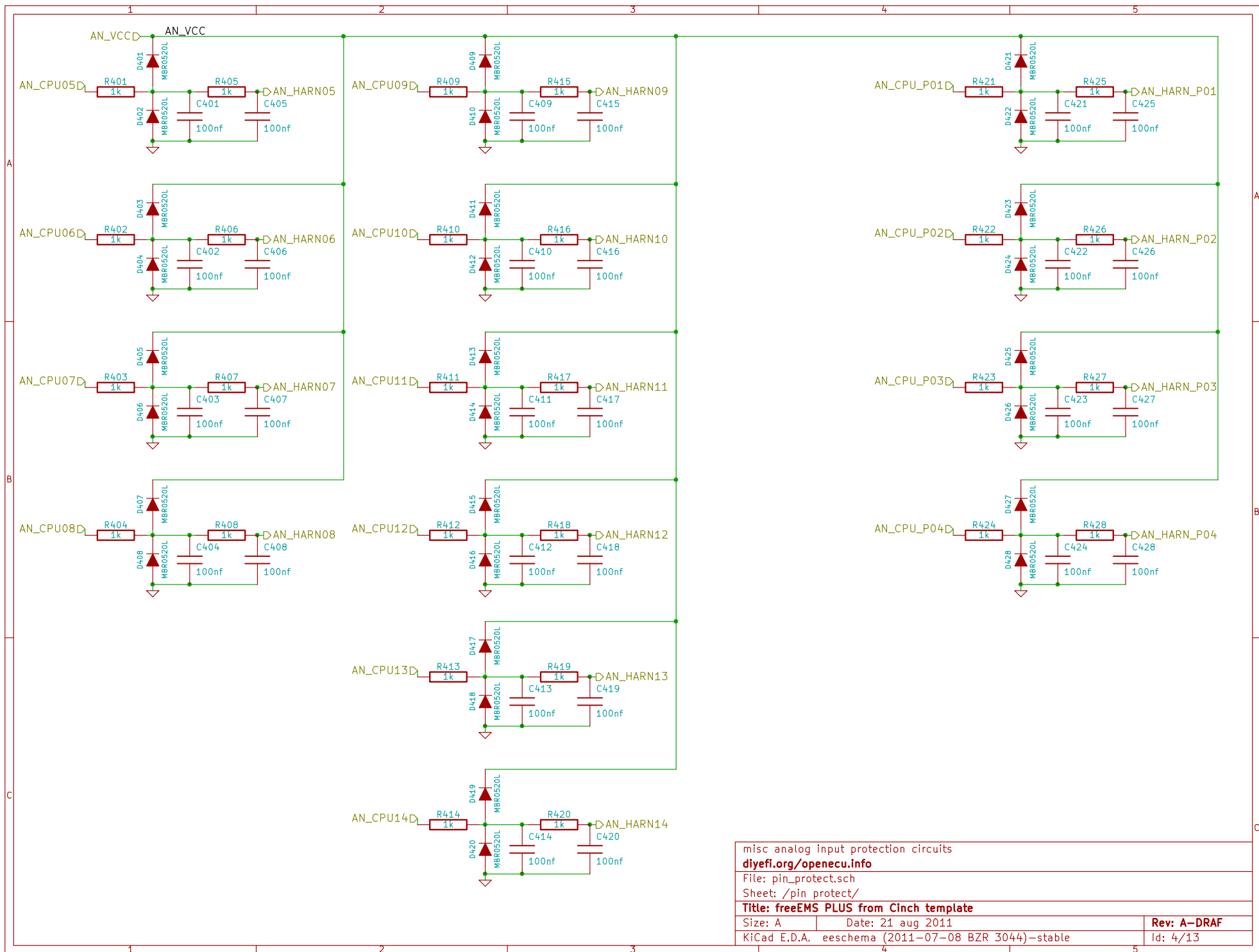
NOTES TO REMEMBER  
PERHAPS INSTALL USB FROM PUMA



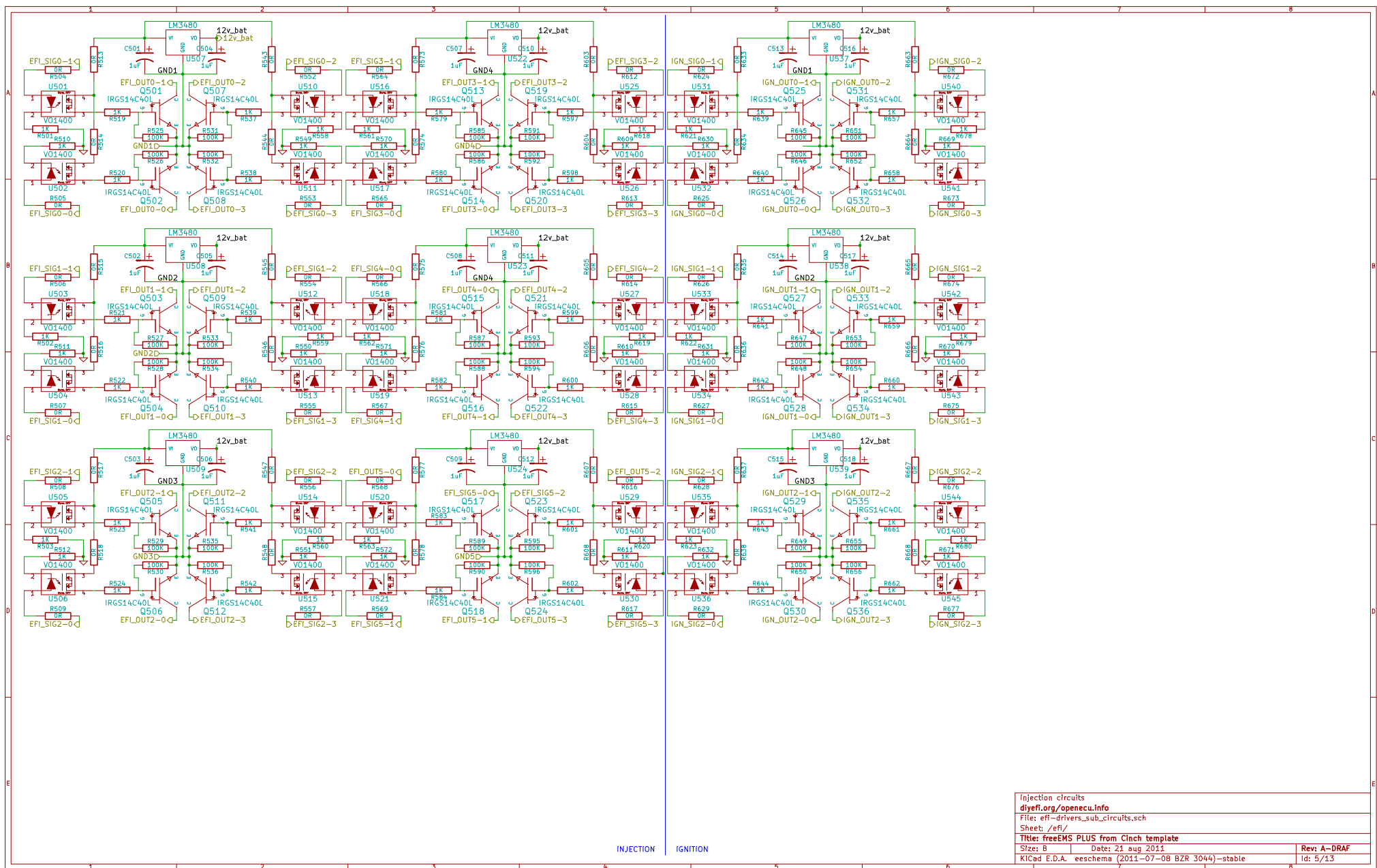


<a href="#">Github.org/spaceteam/bots</a>	
Files: CPU.sach	
Sheets: /CPU/	
Notes freebies PLUS from Clock template	
Sheet D:	Date: 21 aug 2011
KXCD 1.0.0_A	eeshenka (2011-07-08 BZR 3544) -stable
	16/2/13





misc analog input protection circuits		
<a href="http://diyefi.org/openecu.info">diyefi.org/openecu.info</a>		
File: pin_protect.sch		
Sheet: /pin_protect/		
<b>Title: freeEMS PLUS from Cinch template</b>		
Size: A	Date: 21 aug 2011	Rev: A-DRAF
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable		Id: 4/13



## Injection circuits

[diyefi.org/openecu.info](http://diyefi.org/openecu.info)

File: efi-drivers\_sub\_circuits.sch

Sheet: /efj/

Title: freeEMS PLUS from Cinch template

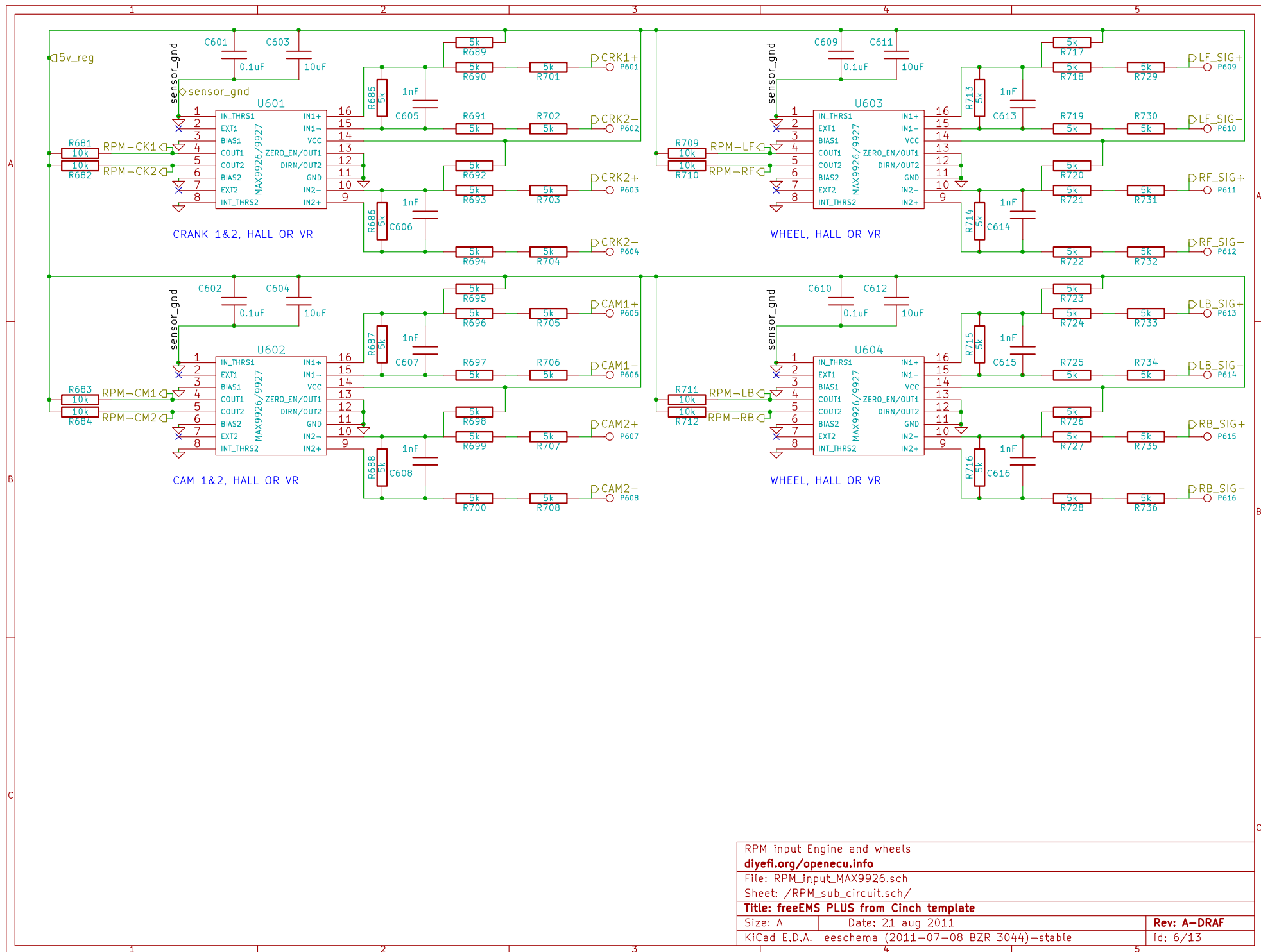
Size; B

KICad E.D.A. eeschema (2011-07-0

RICARDO E.D.A. EESCHENHOF (2011-07-08 BZR 3044)-stable	7
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Rev: A-DRAF

Id: 5/13



RPM input Engine and wheels

[diyefi.org/openecu.info](http://diyefi.org/openecu.info)

File: RPM\_input\_MAX9926.sch

Sheet: /RPM\_sub\_circuit.sch/

Title: freeEMS PLUS from Cinch template

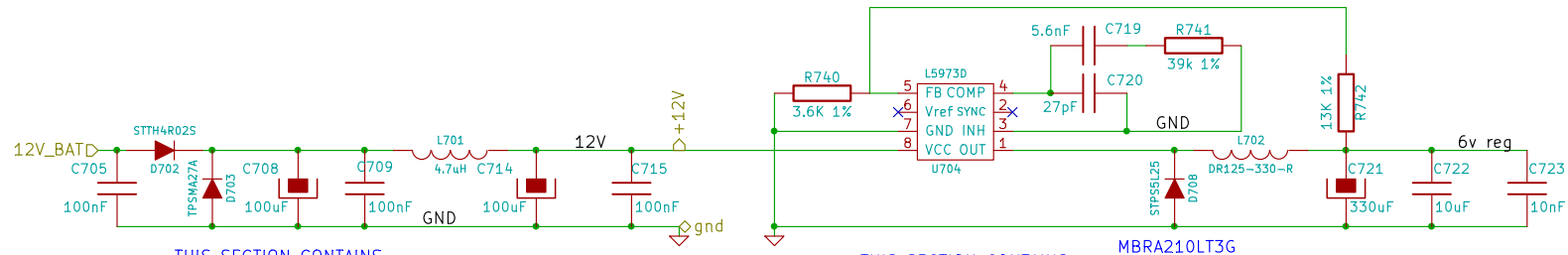
Size: A

Date: 21 aug 2011

Rev: A-DRAF

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

Id: 6/13

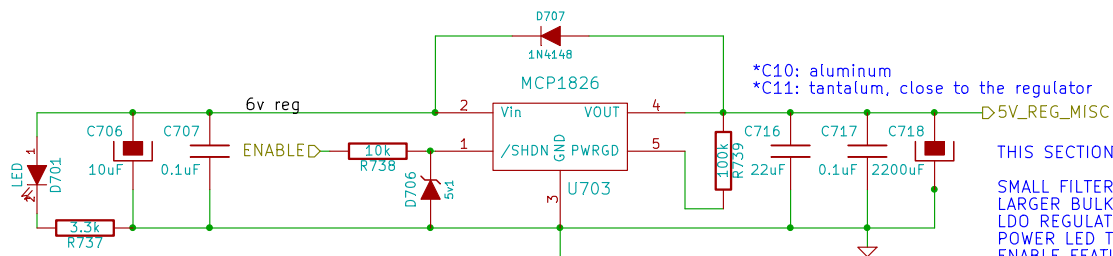


THIS SECTION CONTAINS

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

THIS SECTION CONTAINS

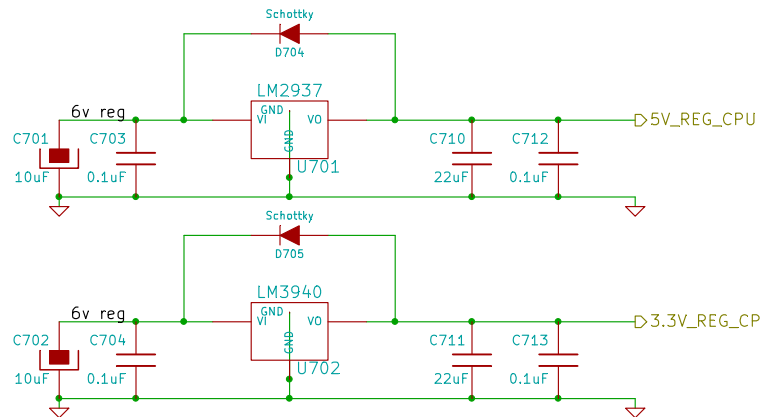
A 2 AMP SWITCHING 6V REGULATOR. THIS PREVENTS THE LINEARS FROM HEATING UP IN EXCESS.



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

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



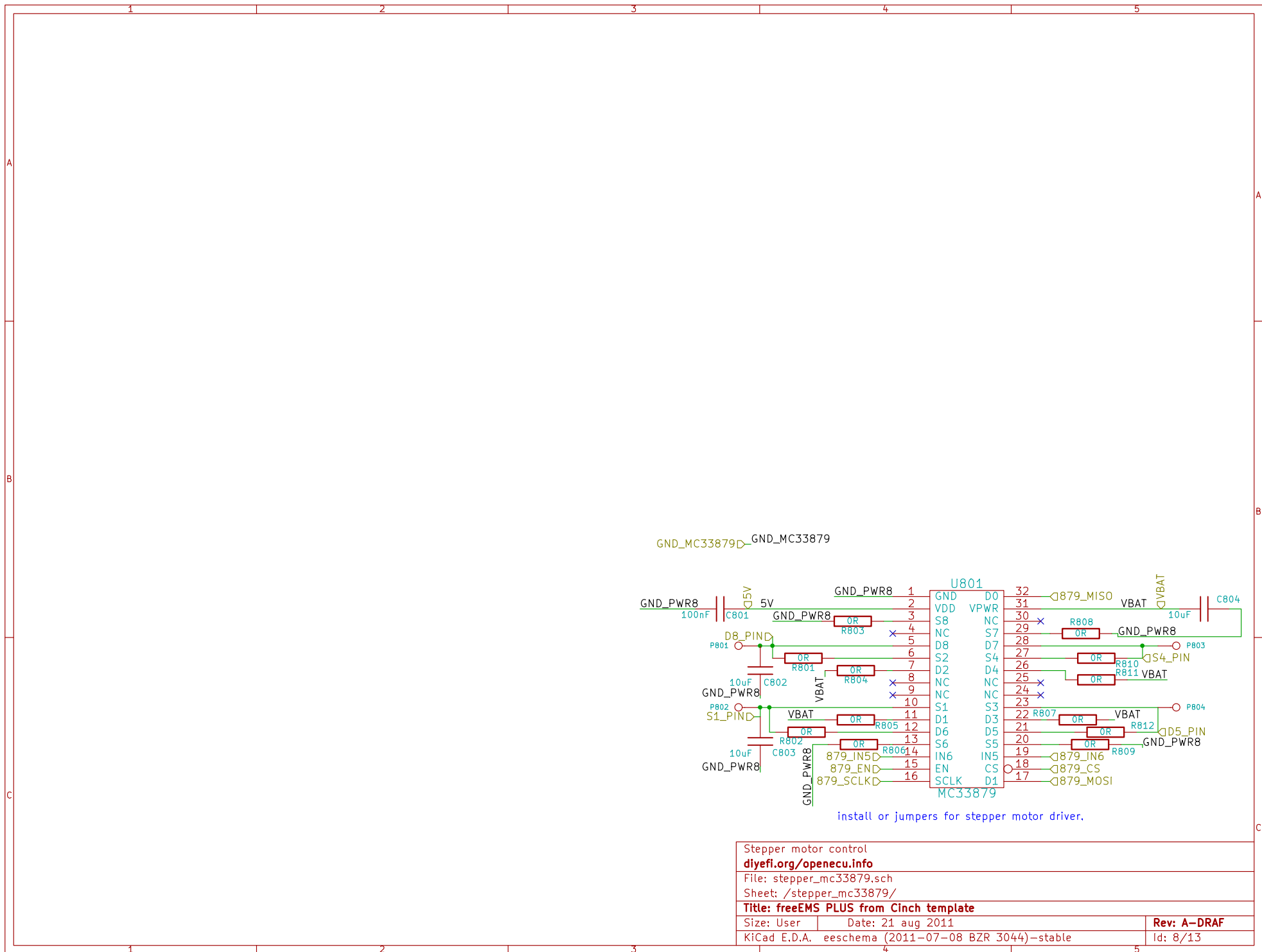
THIS SECTION CONTAINS

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

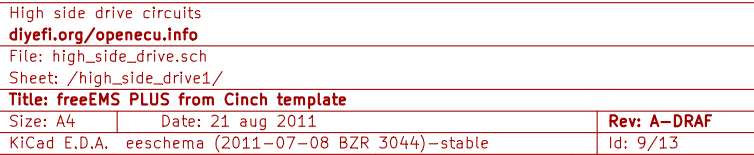
THIS SECTION CONTAINS

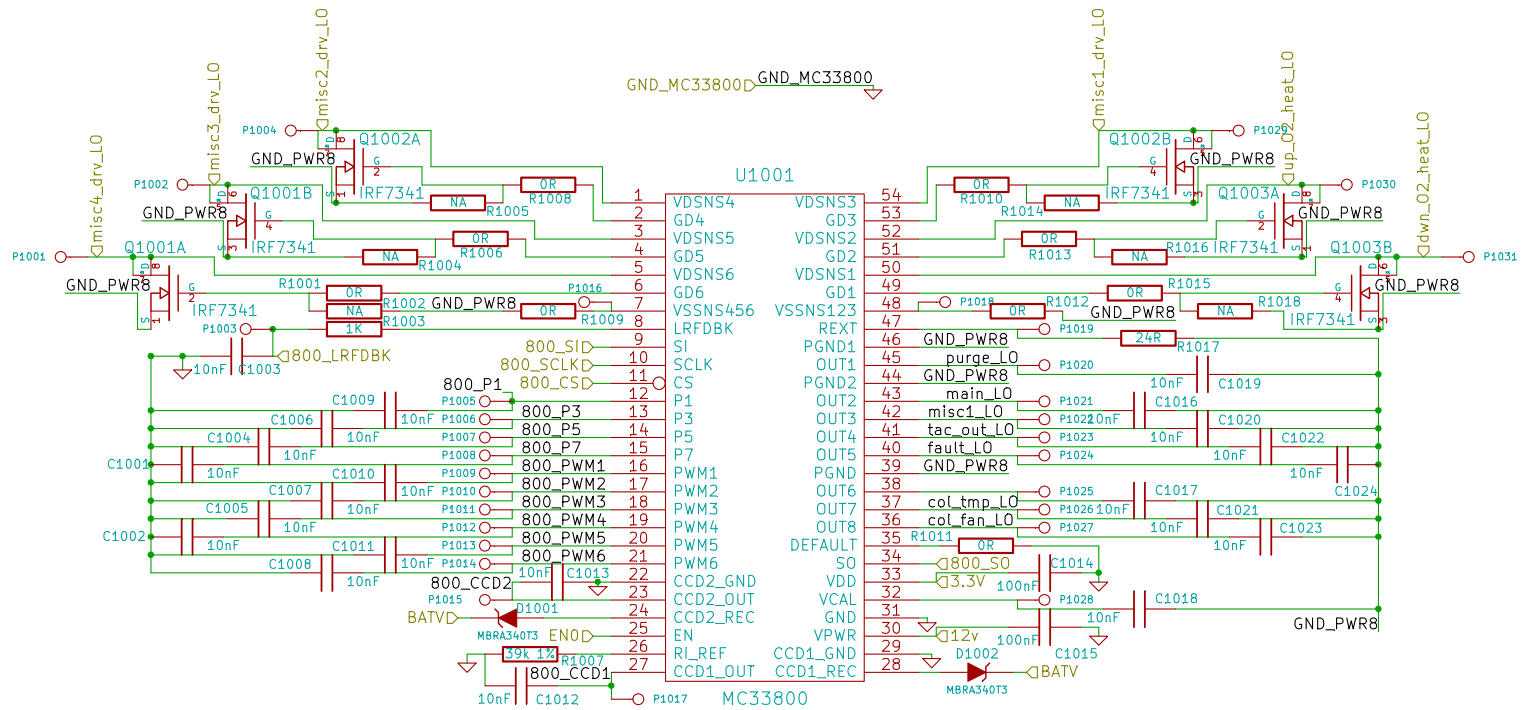
SMALL FILTERING CAPS TO PREVENT OSSILATION  
LARGER BULK CAPS TO HANDLE THE BULK NEEDS  
LDO REGULATOR TO GENERATE A 1 AMP 3.3V PERCISSION LOW RIPPLE SOURCE

power regulator		
<a href="http://diyefi.org/openecu.info">diyefi.org/openecu.info</a>		
File: power_reg.sch		
Sheet: /power regulator constant/		
Title: freeEMS PLUS from Cinch template		
Size: A	Date: 21 aug 2011	Rev: A-DRAF
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable		Id: 7/13









misc high side and low side drives

[diyefi.org/openecu.info](http://diyefi.org/openecu.info)

File: low\_side\_drive.sch

Sheet: /low\_side\_drive1/

**Title: freeEMS PLUS from Cinch template**

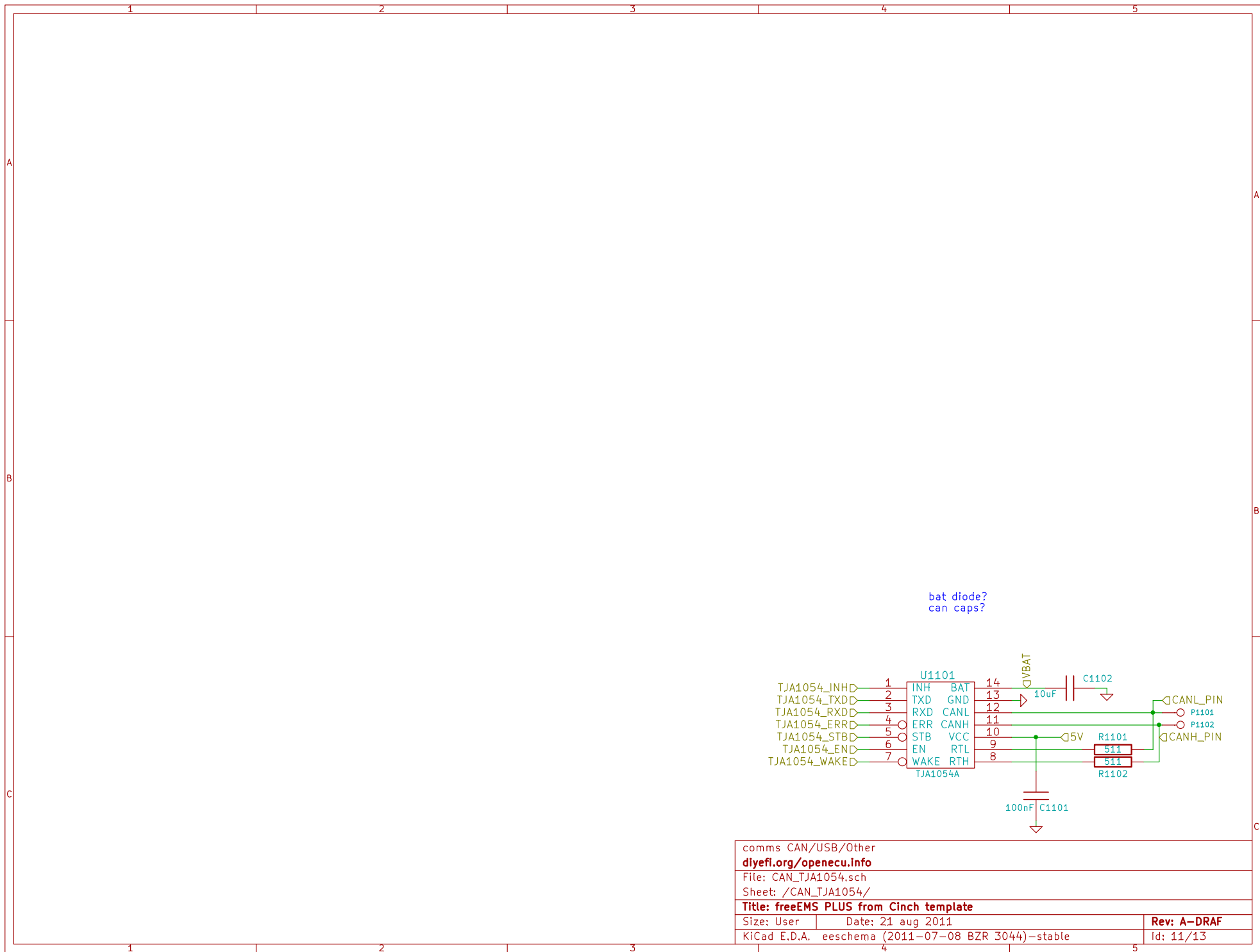
Size: A4

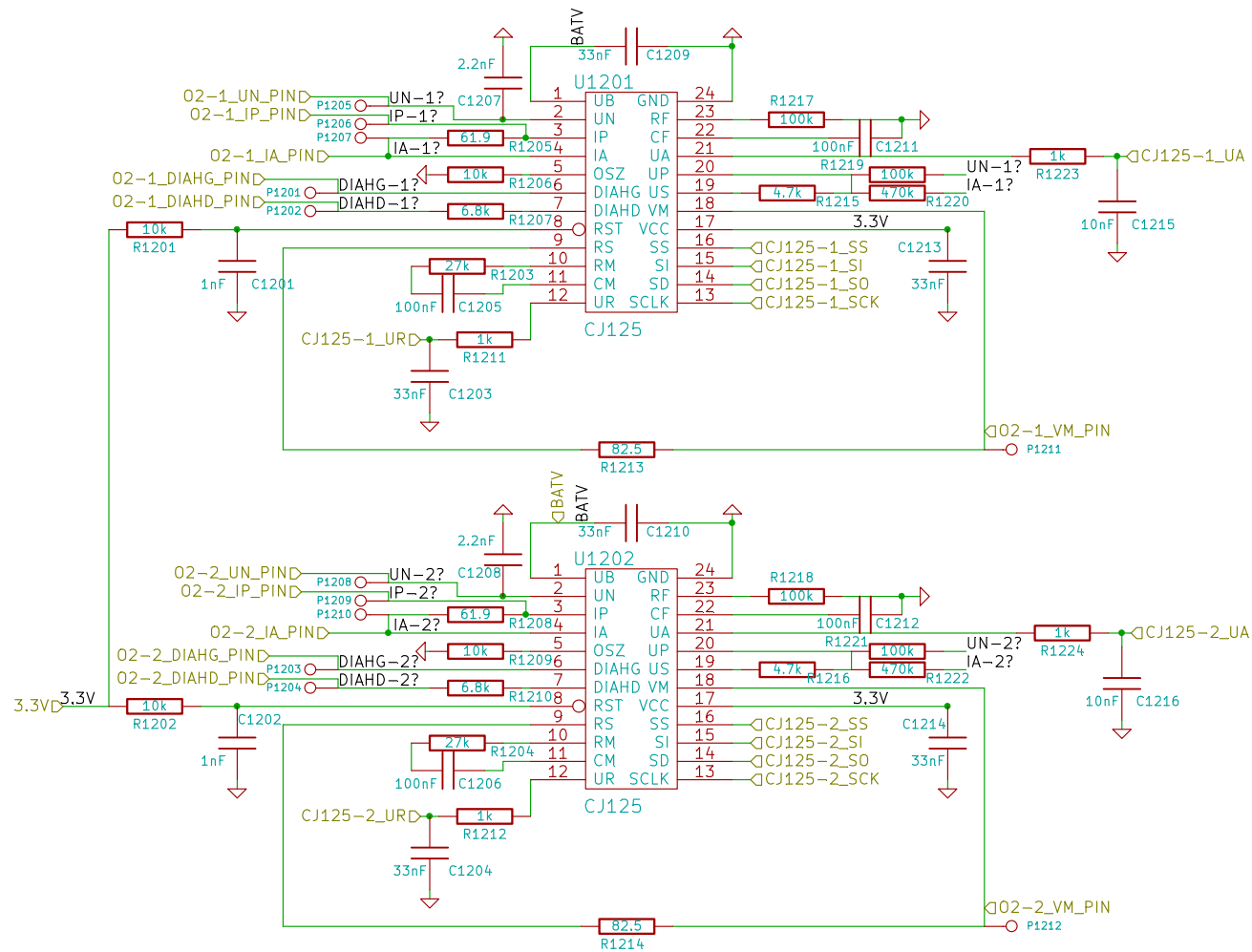
Date: 21 aug 2011

Rev: A-DRAF

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Id: 10/13





2 channels of Wide O2

[diyefi.org/openecu.info](http://diyefi.org/openecu.info)

File: O2\_input\_CJ125.sch

Sheet: /O2\_input\_CJ125/

Title: freeEMS PLUS from Cinch template

Size: User Date: 21 aug 2011

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

Rev: A-DRAF

Id: 12/13

