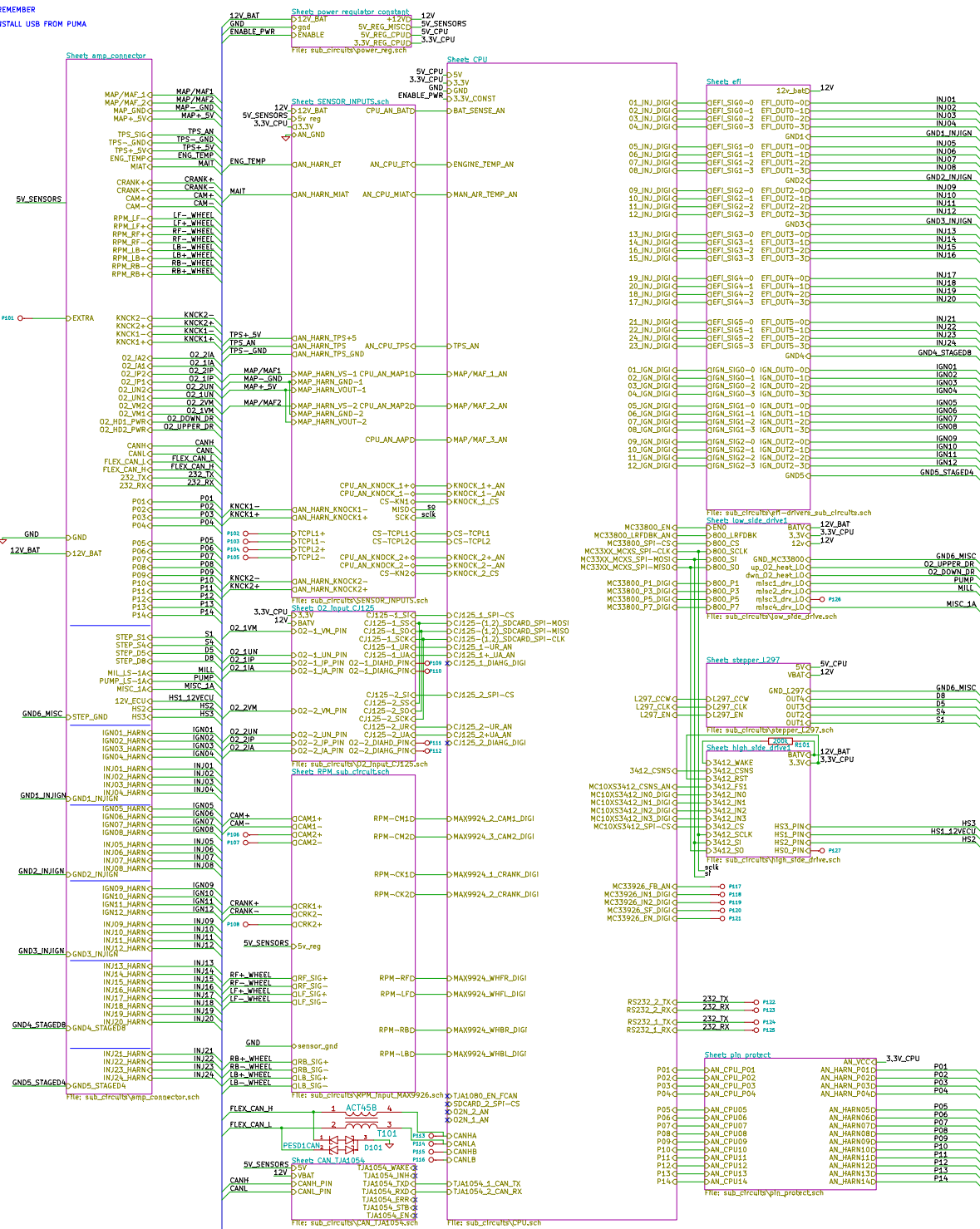
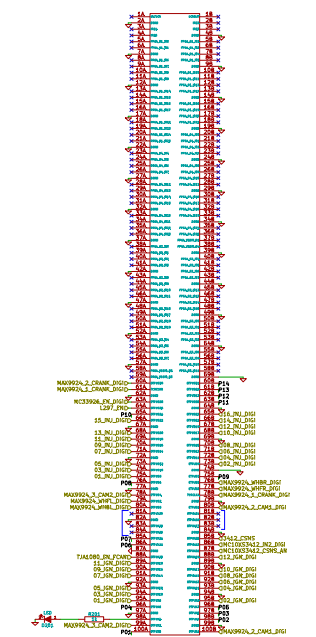
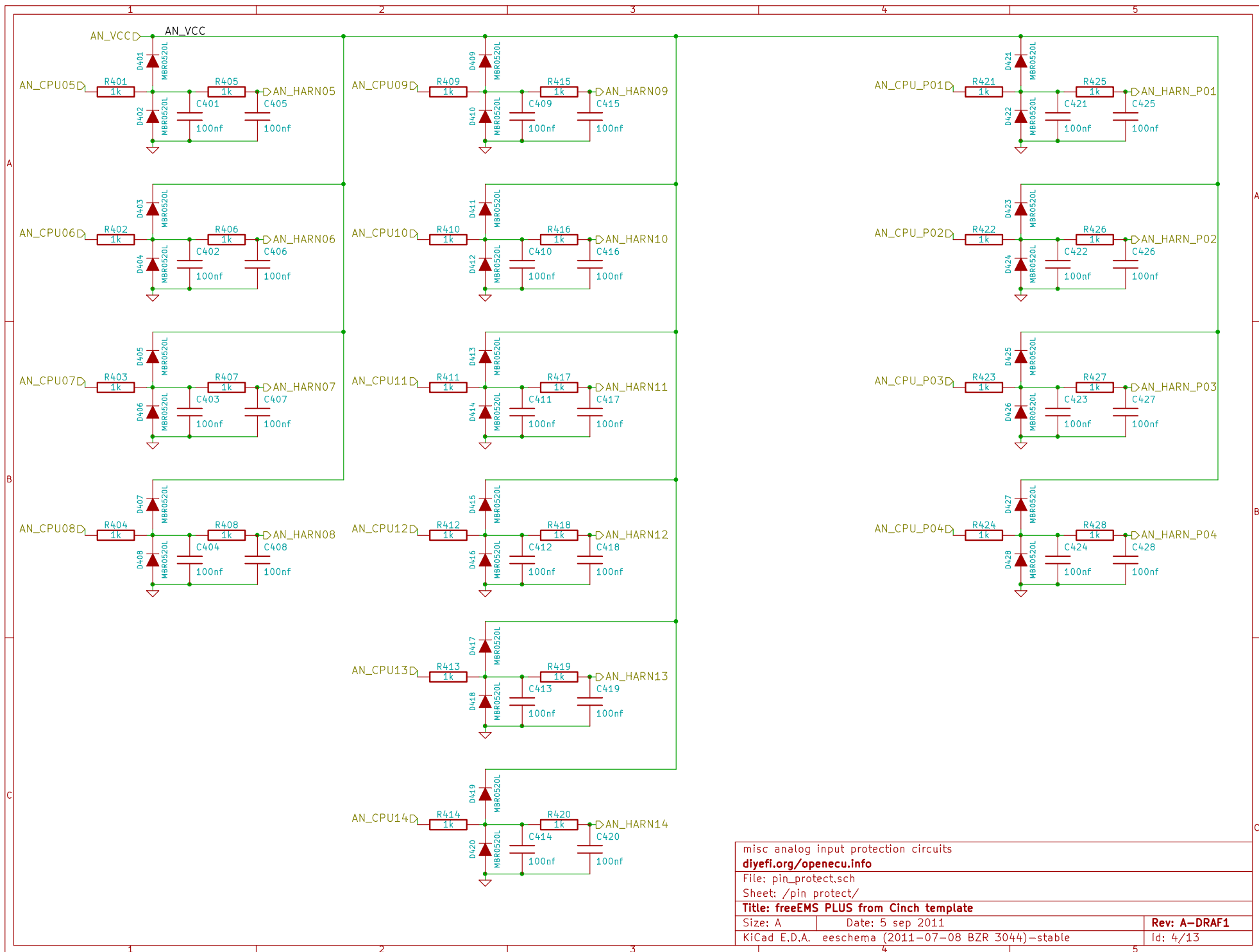


NOTES TO REMEMBER  
PERHAPS INSTALL USB FROM PUMA









misc analog input protection circuits

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

File: pin\_protect.sch

Sheet: /pin\_protect/

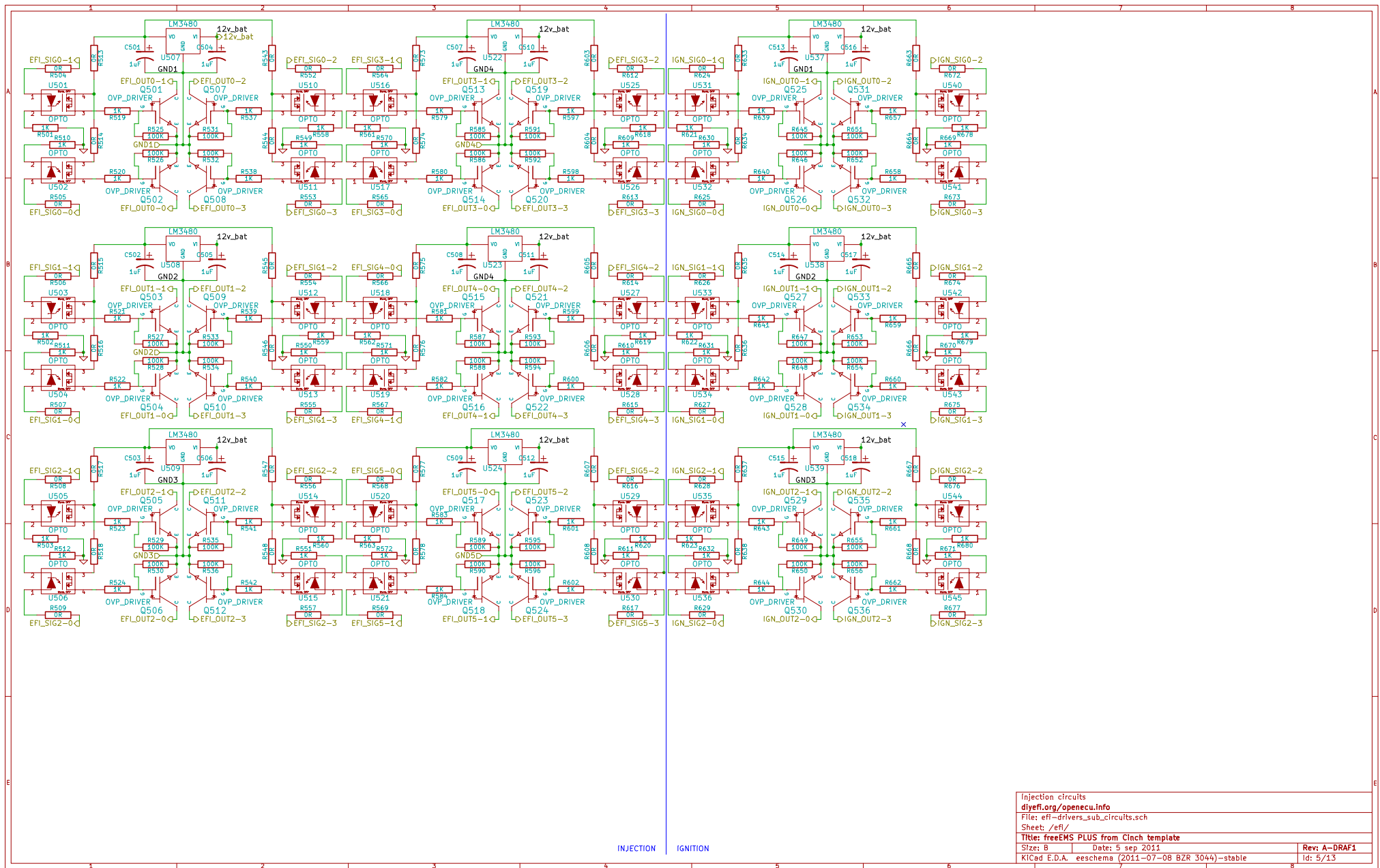
**Title: freeEMS PLUS from Cinch template**

Size: A Date: 5 sep 2011

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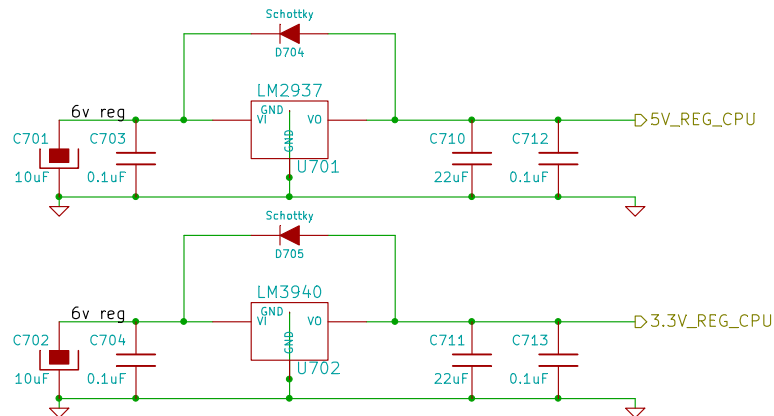
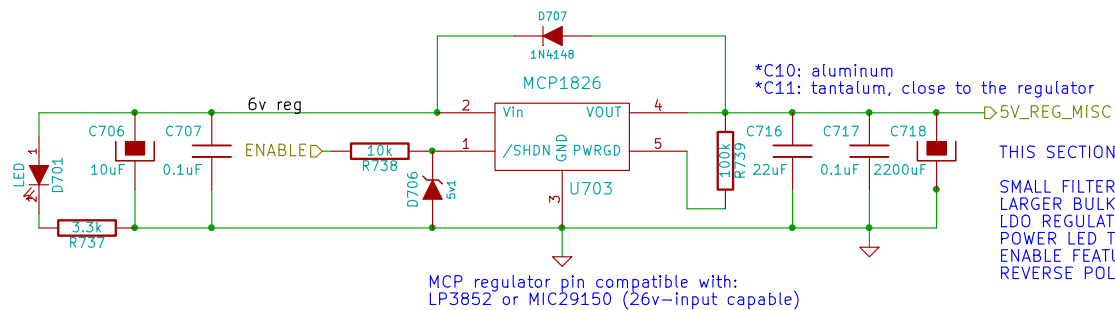
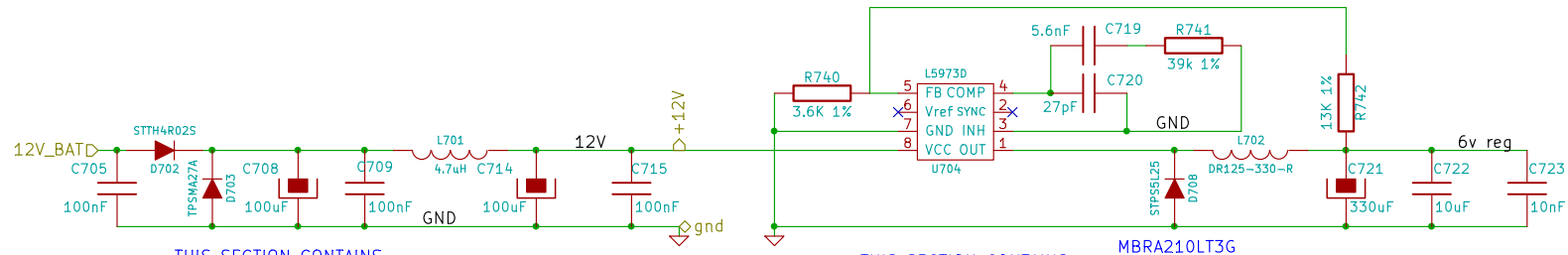
**Rev: A-DRAF1**

Id: 4/13

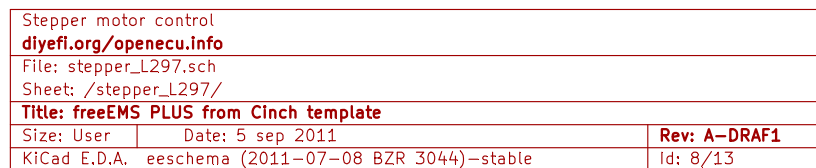


Injection circuits		
<a href="http://diyeff.org/openecu.info">diyeff.org/openecu.info</a>		
File: efl-drivers_sub_circuits.sch		
Sheet: /efl/		
Title: freeEMS PLUS from Cinch template		
Size: B	Date: 5 sep 2011	Rev: A-DRAF1
KICad E.D.A. eeschema (2011-07-08 BZR 3044)-stable		Id: 5/13

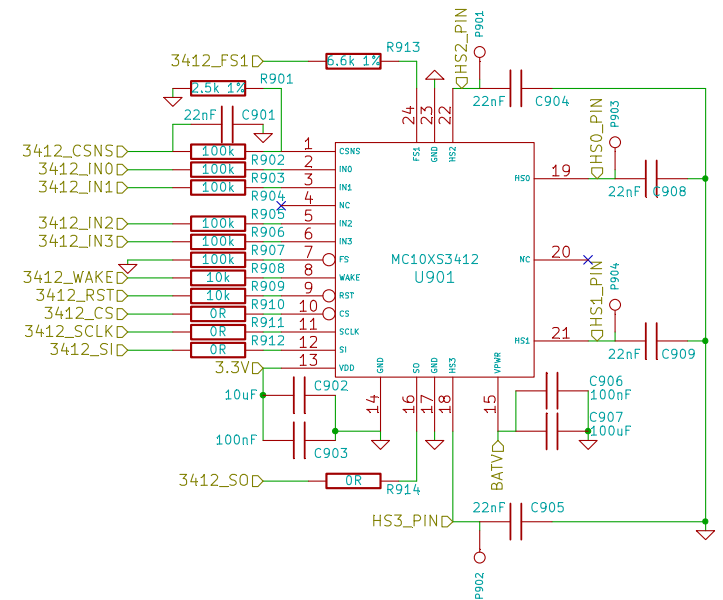




power regulator		
<a href="http://diyefi.org/openecu.info">diyefi.org/openecu.info</a>		
File: power_reg.sch		
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<b>Title: freeEMS PLUS from Cinch template</b>		
Size: A	Date: 5 sep 2011	Rev: A-DRAF1
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable		Id: 7/13





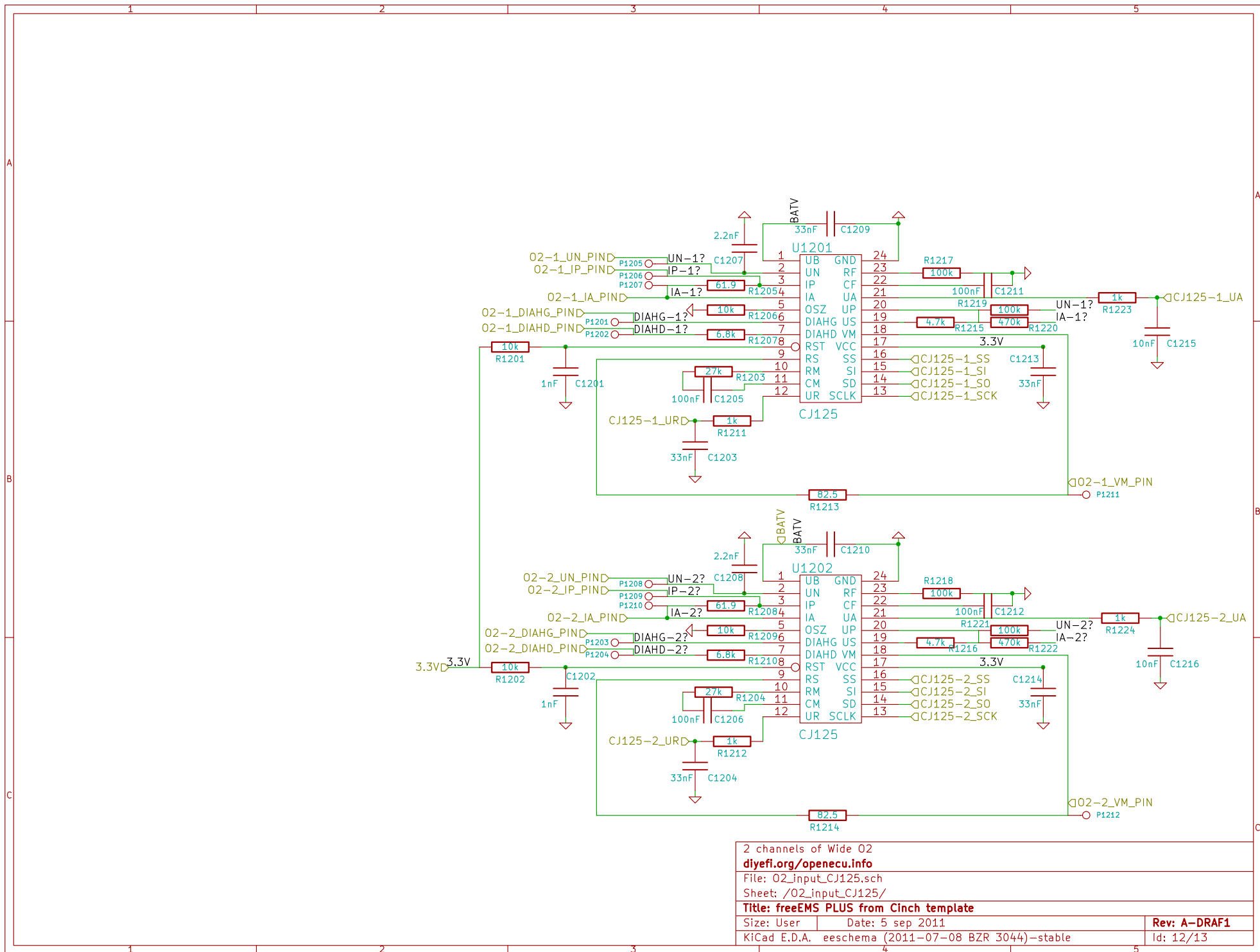


High side drive circuits	
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File: high_side_drive.sch	
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<b>Title: freeEMS PLUS from Cinch template</b>	
Size: A4	Date: 5 sep 2011
KiCad E.D.A. eeschema (2011-07-08 BZR 3044)-stable	
Rev: A-DRAF1	
Id: 9/13	

Id: 10/13



comms CAN/USB/Other	
<b>diyefi.org/openecu.info</b>	
File: CAN_TJA1054.sch	
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<b>Title: freeEMS PLUS from Cinch template</b>	
Size: User	Date: 5 sep 2011
KiCad E.D.A.	eeschema (2011-07-08 BZR 3044)-stable
	Id: 11/13
	<b>Rev: A-DRAFT1</b>



2 channels of Wide O2

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

File: O2\_input\_CJ125.sch

Sheet: /O2\_input\_CJ125/

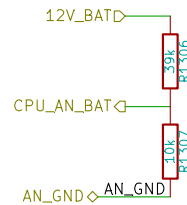
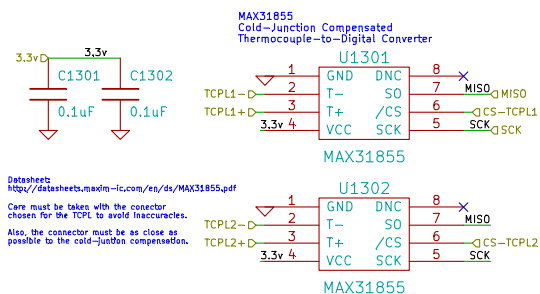
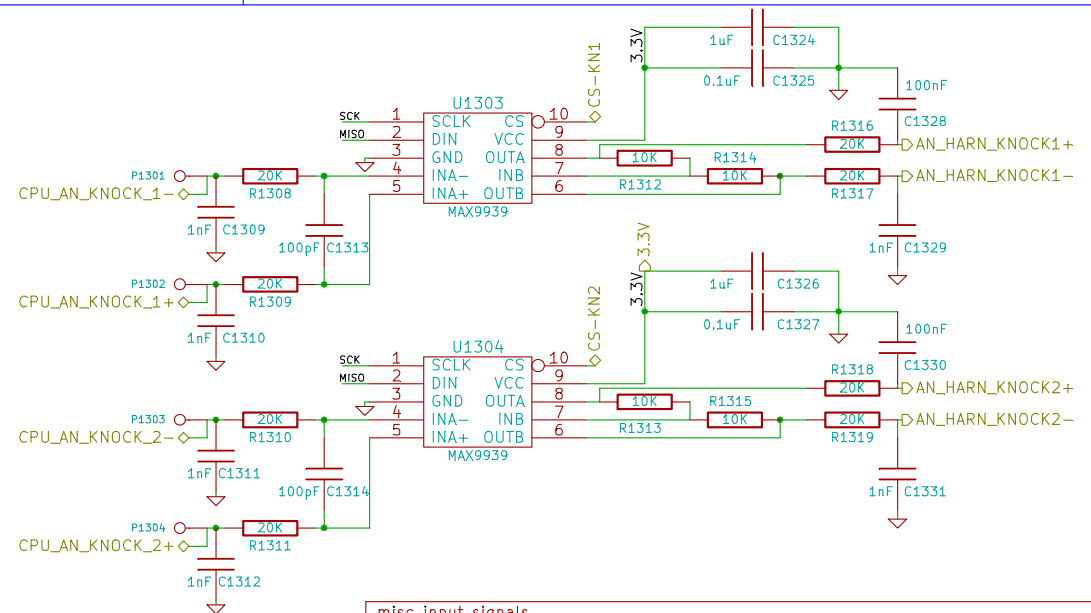
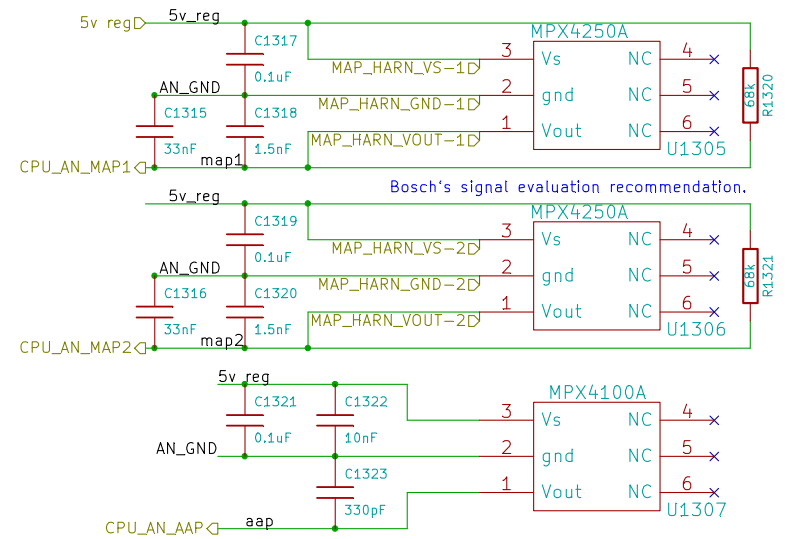
Title: freeEMS PLUS from Cinch template

Size: User Date: 5 sep 2011

Rev: A-DRAF1

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

Id: 12/13



Id: 13/13