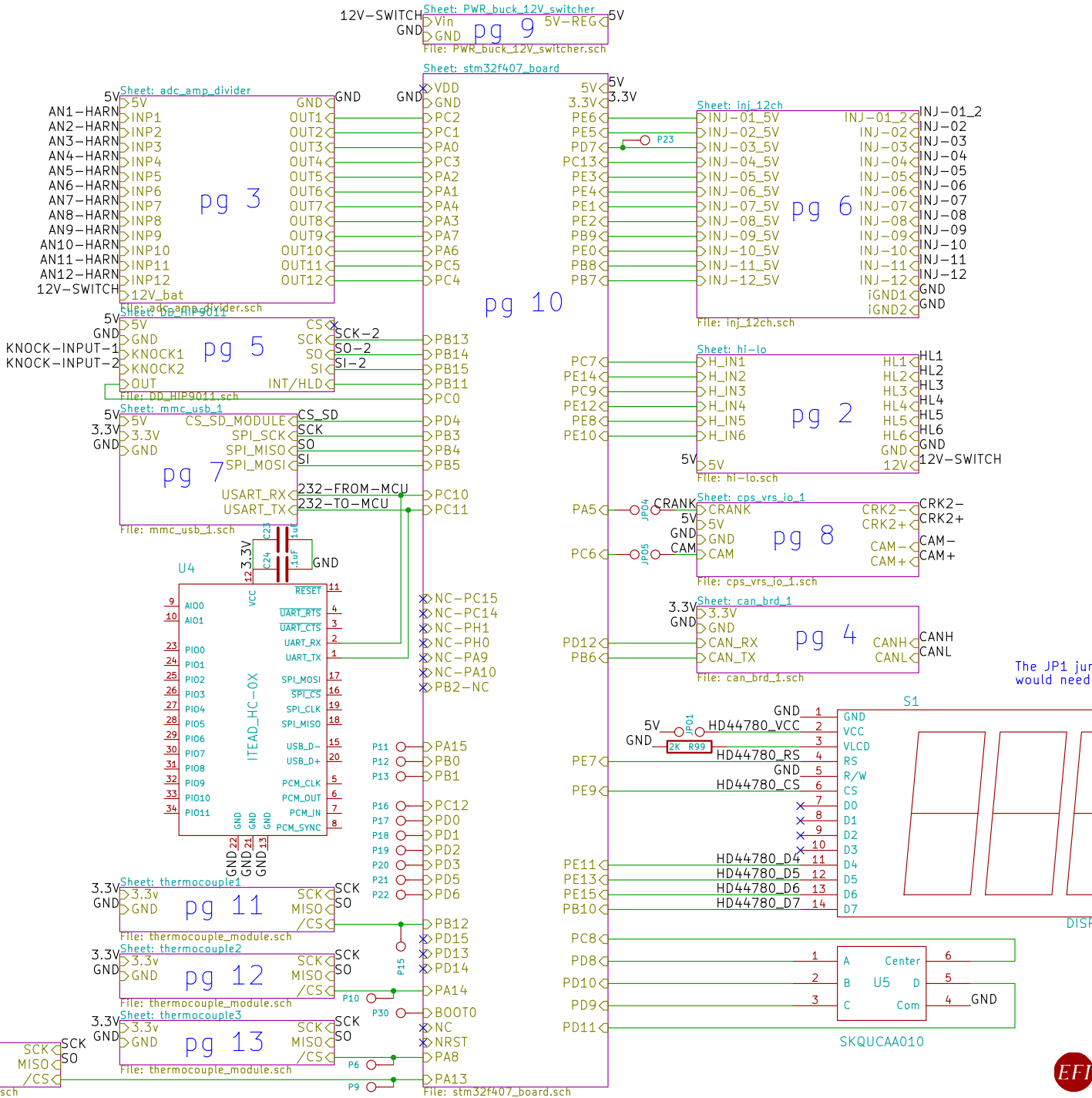
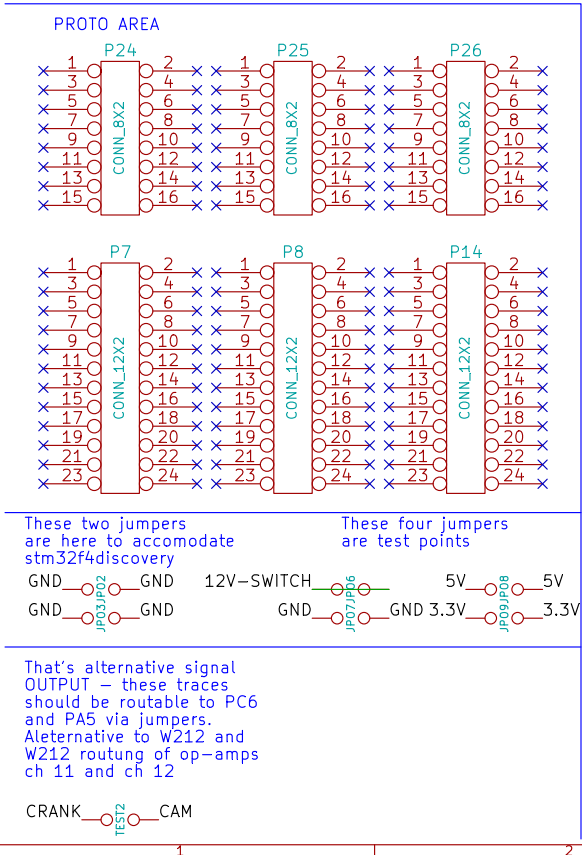


rusEfi

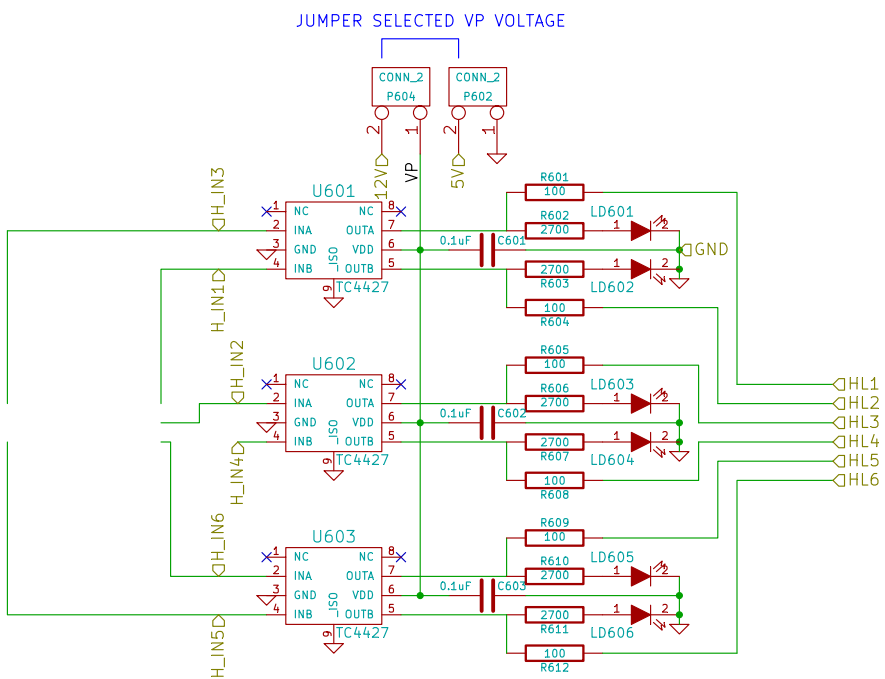


The JP1 jumper is needed because we cannot feed the screen via USB - we would need to disconnect it while the board is on a bench

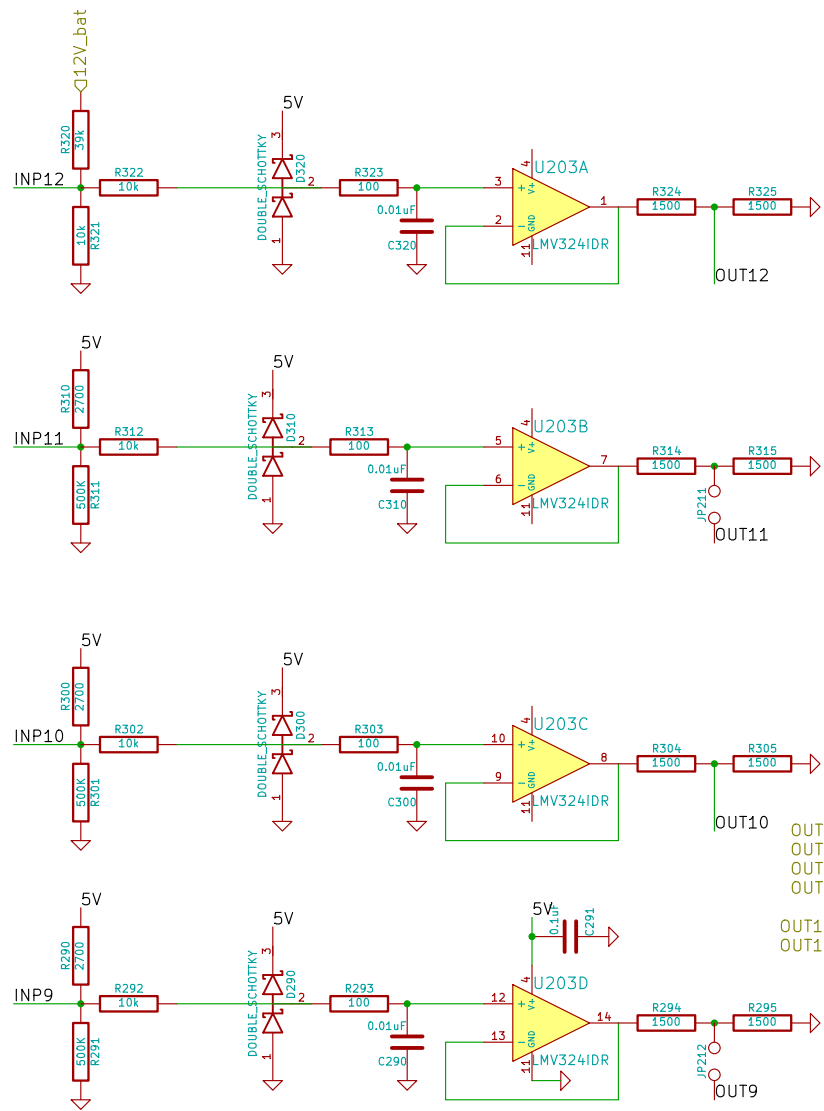
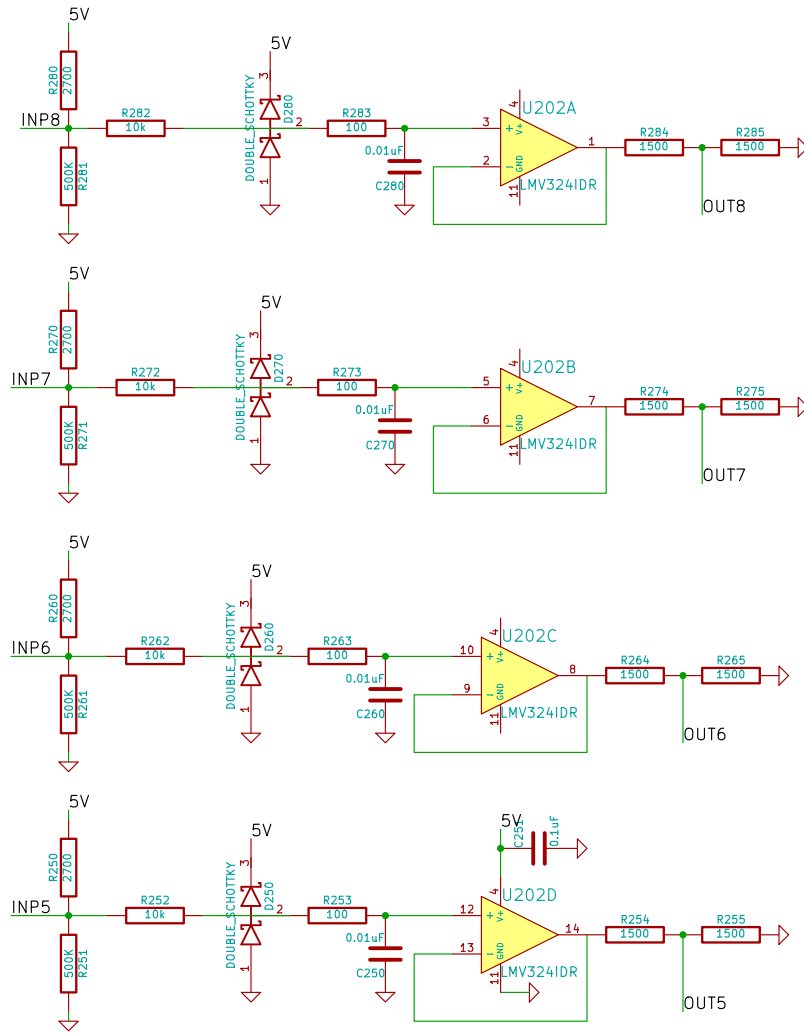
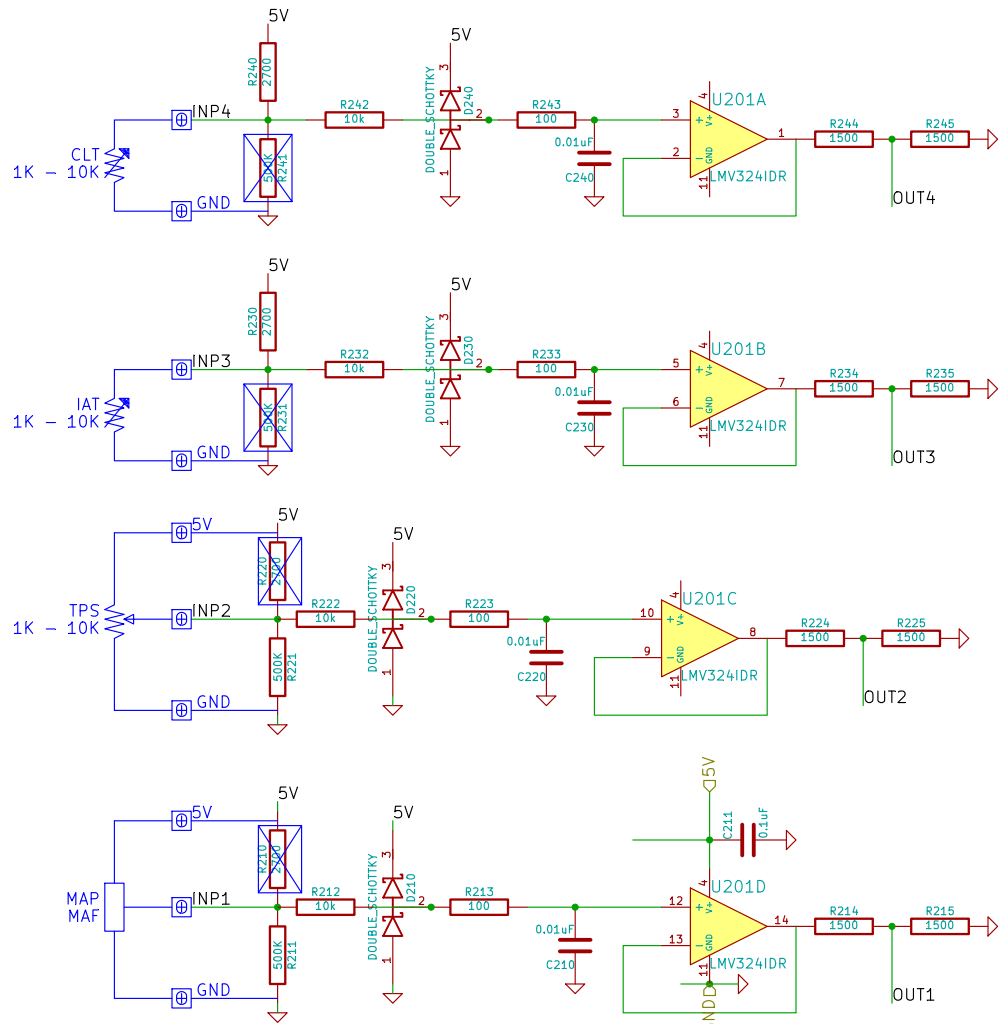


rusEFI.com		
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Title: Frankenso		
Size: B	Date: 20 oct 2014	Rev: .02
KiCad E.D.A. eeschema (2013-07-07 BZR 4022)-stable		Id: 1/14

6 channel high / low side driver



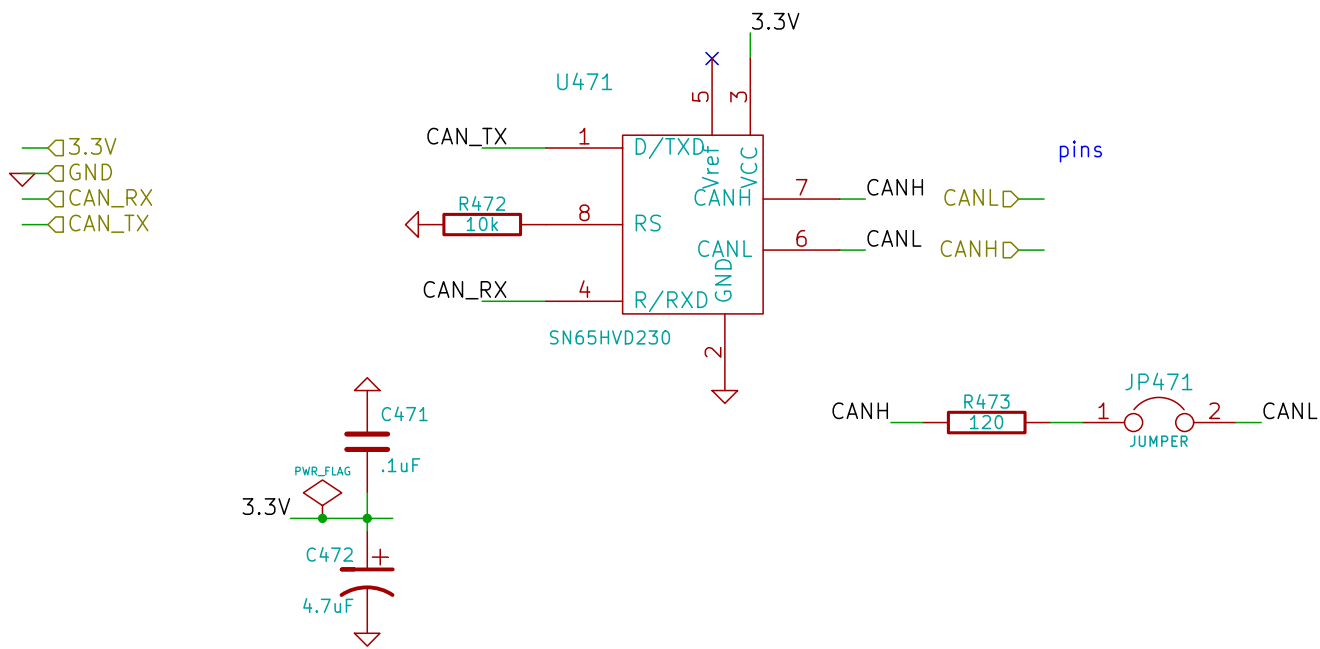
SUGGESTED ENGINE WIRING IN BLUE



OUT4D
OUT3D
OUT1D
OUT2D
OUT10D
OUT12D

OUT6
OUT5
OUT8
OUT7
OUT9
OUT11

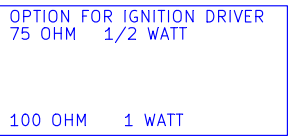
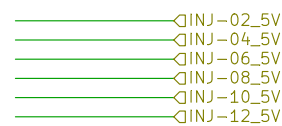
INP12
INP11
INP10
INP9
INP8
INP7
INP6
INP5
INP4
INP3
INP2
INP1



CAN level shifter

A

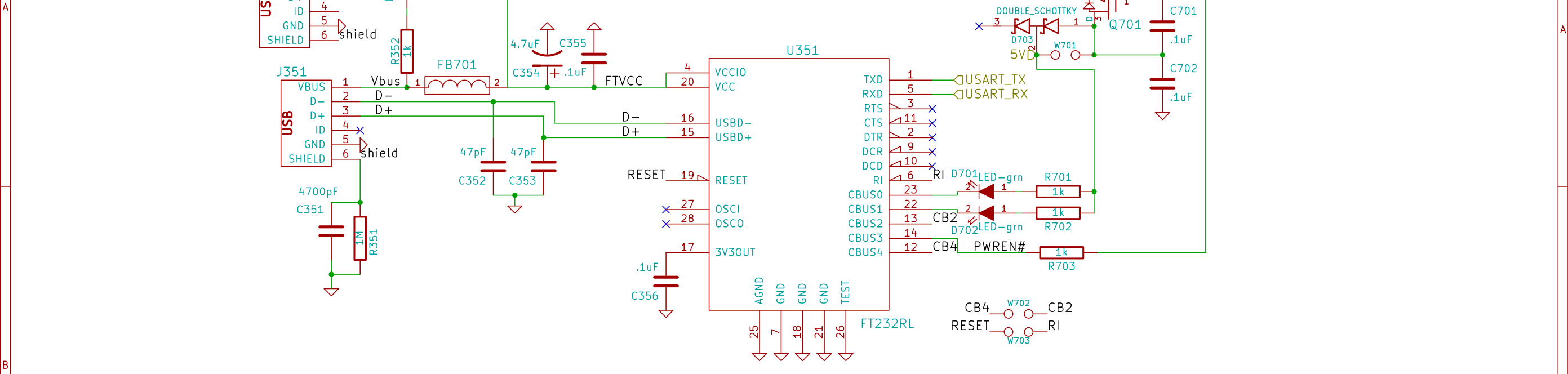
C



Screw connector PCB <http://octopart.com/39522-1007-molex-655409>
Screw connector harness <http://octopart.com/partsearch#search/requestData&q=39520-0007>

rusEFI.com	
File: inj_12ch.sch	
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Size: B	Date: 20 oct 2014
KiCad E.D.A.	eeschema (2013-07-07 BZR 4022)-stable
	Rev: .02
	Id: 6/14

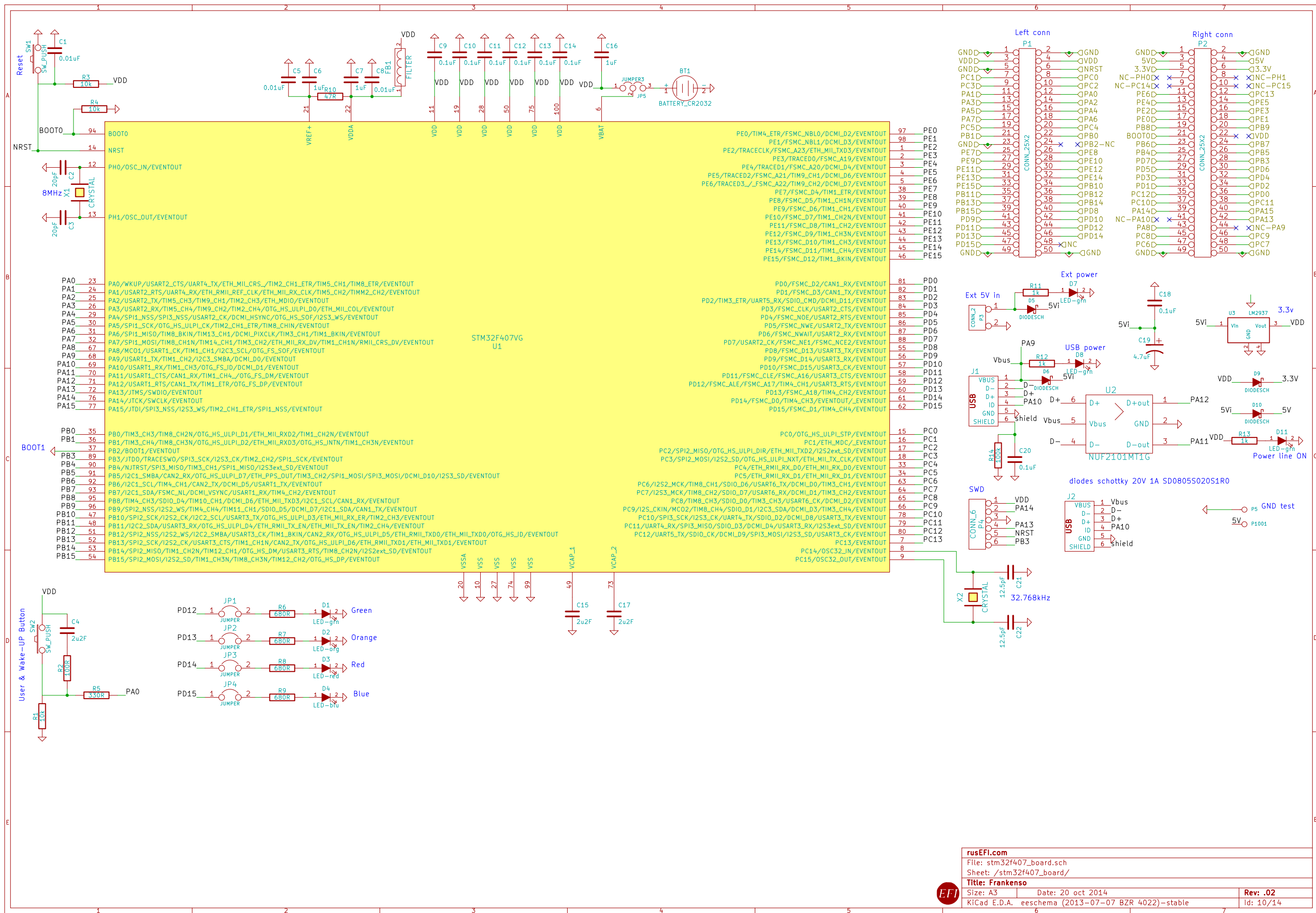
1	2	3	4	5
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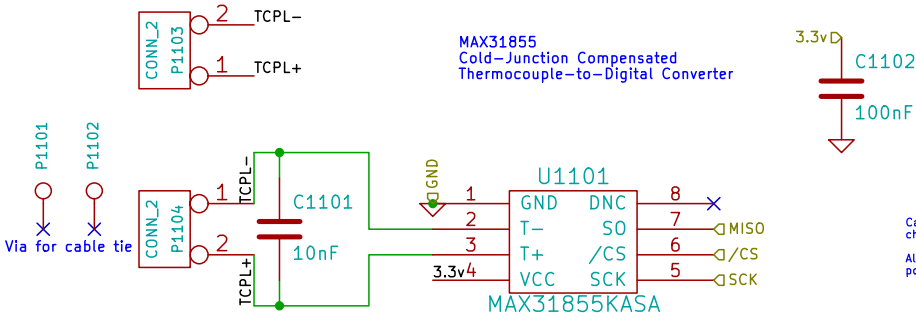






Id: 9/14

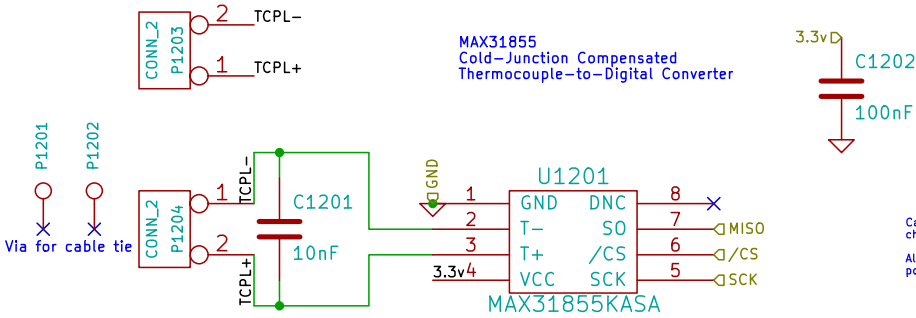




We want a big mass of copper in the TCPL joints, to dampen the cold junction temperature and to make it more measurable with this IC

Datasheet:
<http://datasheets.maxim-ic.com/en/ds/MAX31855.pdf>

Mrk Industries		
File: thermocouple_module.sch		
Sheet: /thermocouple1/		
Title: Electronic Industrial Temperature Interface (EITI)		
Size: A4	Date: 20 oct 2014	Rev: .02
KiCad E.D.A. eeschema (2013-07-07 BZR 4022)-stable		Id: 11/14

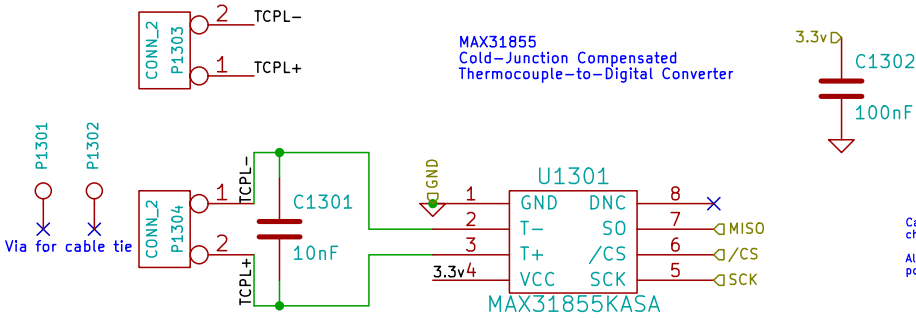


We want a big mass of copper in the TCPL joints, to dampen the cold junction temperature and to make it more measurable with this IC

Datasheet:
<http://datasheets.maxim-ic.com/en/ds/MAX31855.pdf>

Care must be taken with the conector chosen for the TCPL to avoid Inaccuracies.
Also, the connector must be as close as possible to the cold-junction compensation.

Mrk Industries		
File: thermocouple_module.sch		
Sheet: /thermocouple2/		
Title: Electronic Industrial Temperature Interface (EITI)		
Size: A4	Date: 20 oct 2014	Rev: .02
KiCad E.D.A. eeschema (2013-07-07 BZR 4022)-stable		Id: 12/14

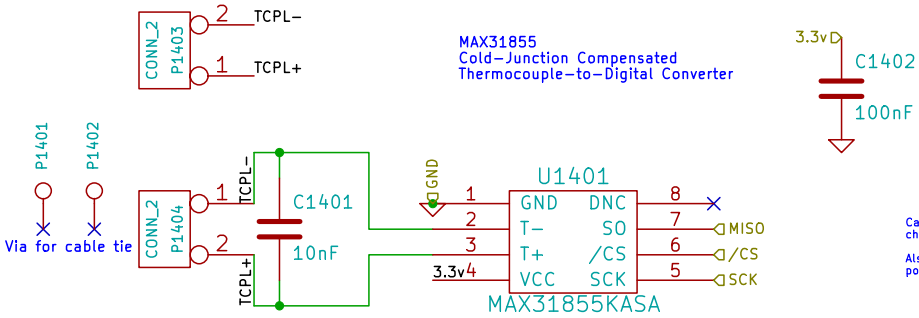


We want a big mass of copper in the TCPL joints, to dampen the cold junction temperature and to make it more measurable with this IC

Datasheet:
<http://datasheets.maxim-ic.com/en/ds/MAX31855.pdf>

Care must be taken with the conector chosen for the TCPL to avoid Inaccuracies.
Also, the connector must be as close as possible to the cold-junction compensation.

Mrk Industries		
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Title: Electronic Industrial Temperature Interface (EITI)		
Size: A4	Date: 20 oct 2014	Rev: .02
KiCad E.D.A. eeschema (2013-07-07 BZR 4022)-stable		Id: 13/14



We want a big mass of copper in the TCPL joints, to dampen the cold junction temperature and to make it more measurable with this IC

Datasheet:
<http://datasheets.maxim-ic.com/en/ds/MAX31855.pdf>

Mrk Industries

File: thermocouple_module.sch

Sheet: /thermocouple4/

Title: Electronic Industrial Temperature Interface (EITI)

Size: A4

Date: 20 oct 2014

Rev: .02

KiCad E.D.A. eeschema (2013-07-07 BZR 4022)-stable

Id: 14/14