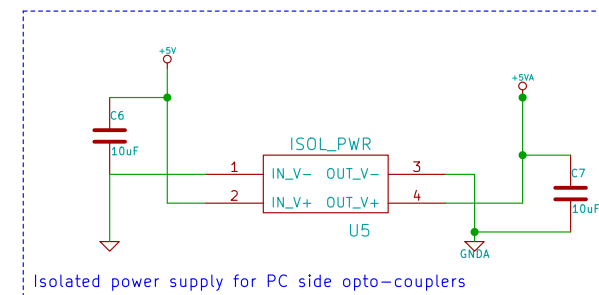
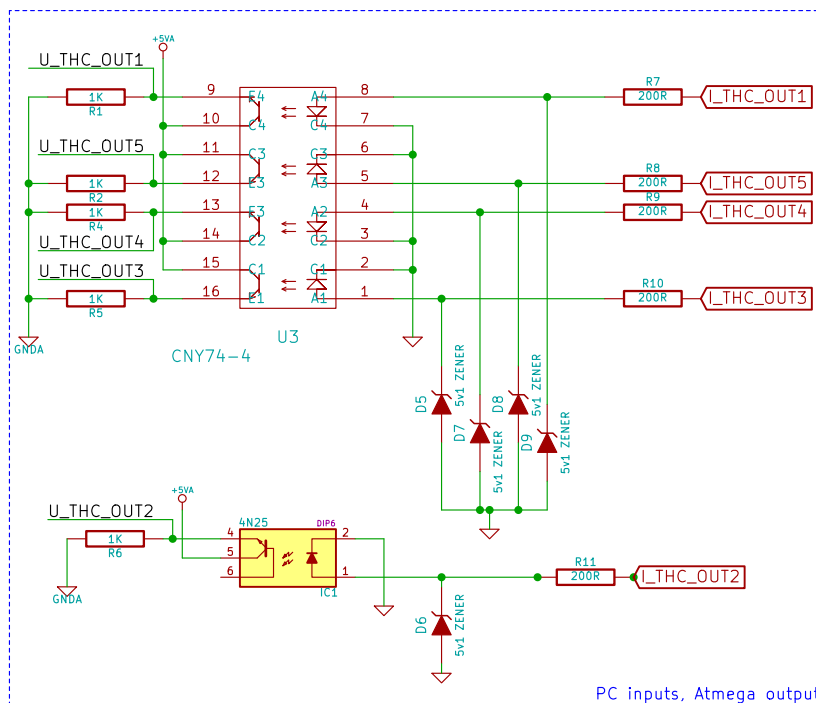
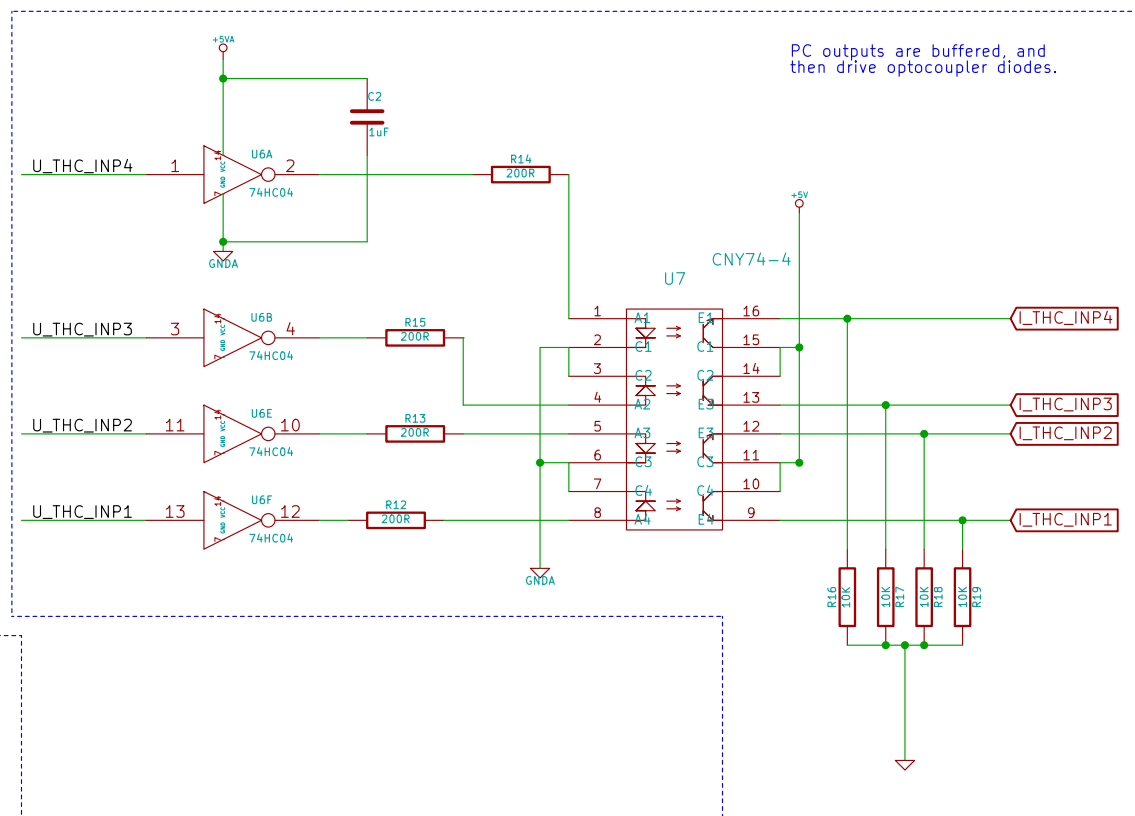
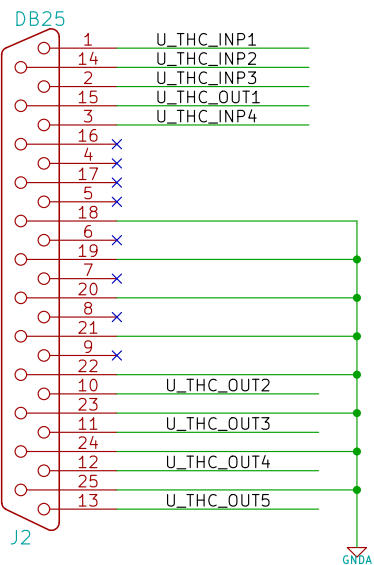


Plasma source
plasma_source.sch

Isolation
thc_isolation.sch

License: GPL v3		
File: thc.sch		
Sheet: /		
Title: Torch height controller board		
Size: A4	Date: 2 mar 2014	Rev: 2
KiCad E.D.A.		Id: 1/3



License: GPL v3

File: thc_isolation.sch

Sheet: /Isolation/

Title: Torch height controller board

Size: A4

Date: 2 mar 2014

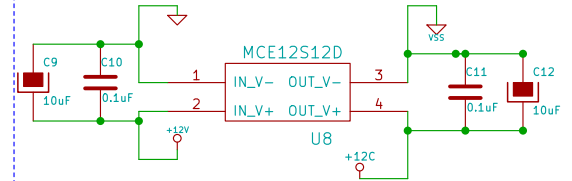
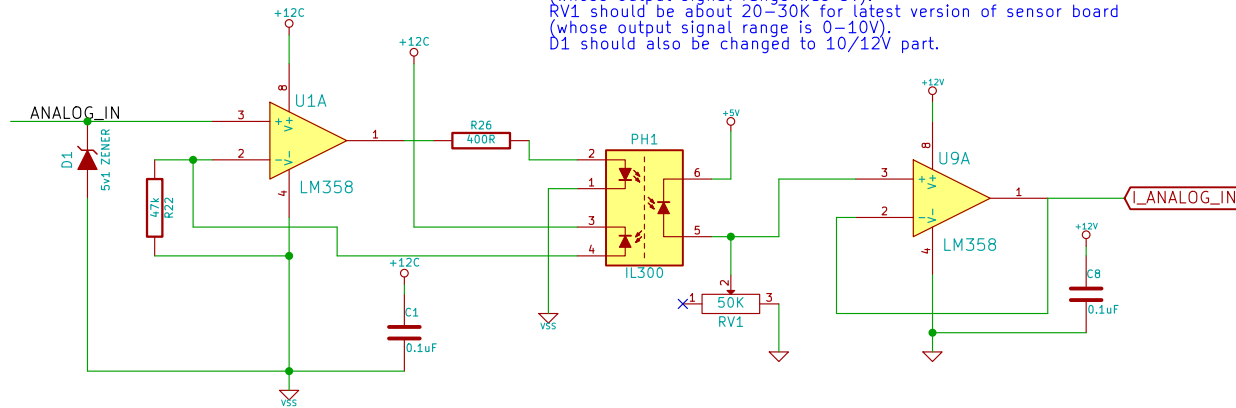
Rev: 2

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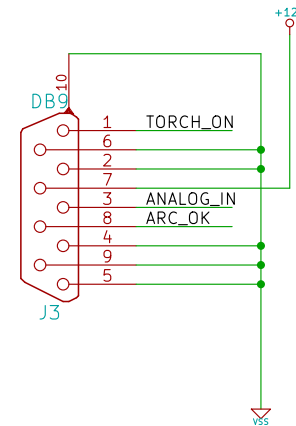
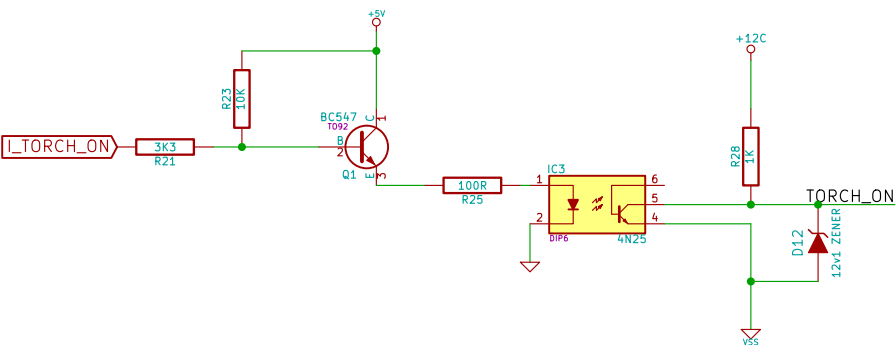
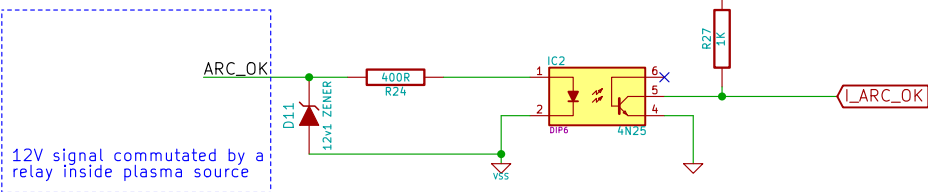
Id: 2/3

Opto-isolated measurement of analog input signal from plasma source.
Gain is set by R22 : RV1.

NB! The values below are for earlier version of sensor board
(whose output signal range was 5V).
RV1 should be about 20-30K for latest version of sensor board
(whose output signal range is 0-10V).
D1 should also be changed to 10/12V part.



Isolated power supply for plasma source side.
1W rated one seems to be sufficient, but the current is near limit.



License: GPL v3		
File: plasma_source.sch		
Sheet: /Plasma source/		
Title: Torch height controller board		
Size: A4	Date: 2 mar 2014	Rev: 2
KiCad E.D.A.		Id: 3/3