

Sheet: /hv/hv supply/  
File: hv\_supply.sch

**Title:**

Size: A4

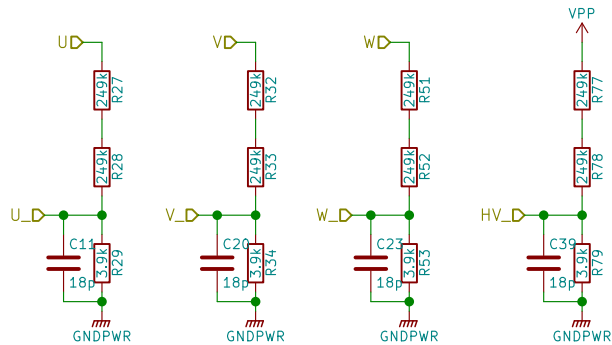
Date:

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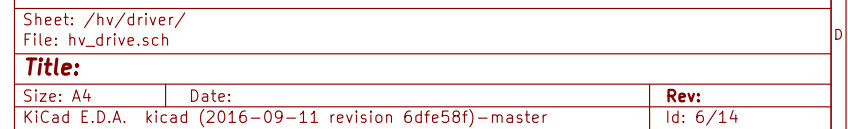
**Rev:**

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$3.3V * (249k + 249k + 3.9k) / 3.9k = 424V$



Sheet: /hv/back-emf/ File: hv_sense.sch		
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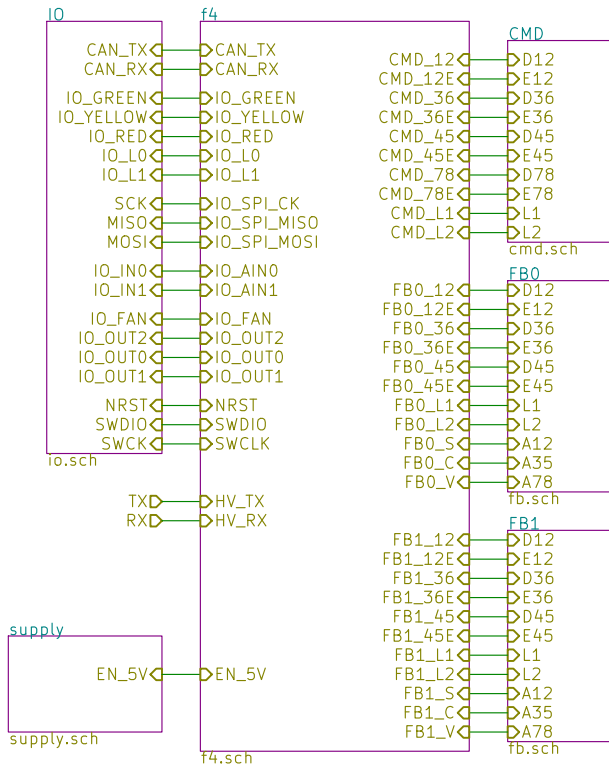
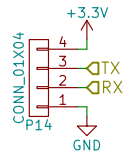
The three diagrams illustrate the electrical connections for the IUD, IVD, and IWD sensors. Each sensor's input pin (A\_IU, A\_IV, A\_IW) is connected to a +3.3VP supply through a 15k pull-up resistor (R58, R90, R107) and a 470 ohm resistor (R46, R84, R100). A 18pF capacitor (C33, C45, C57) is connected from the input pin to the GNDPWR ground.

**Title:**

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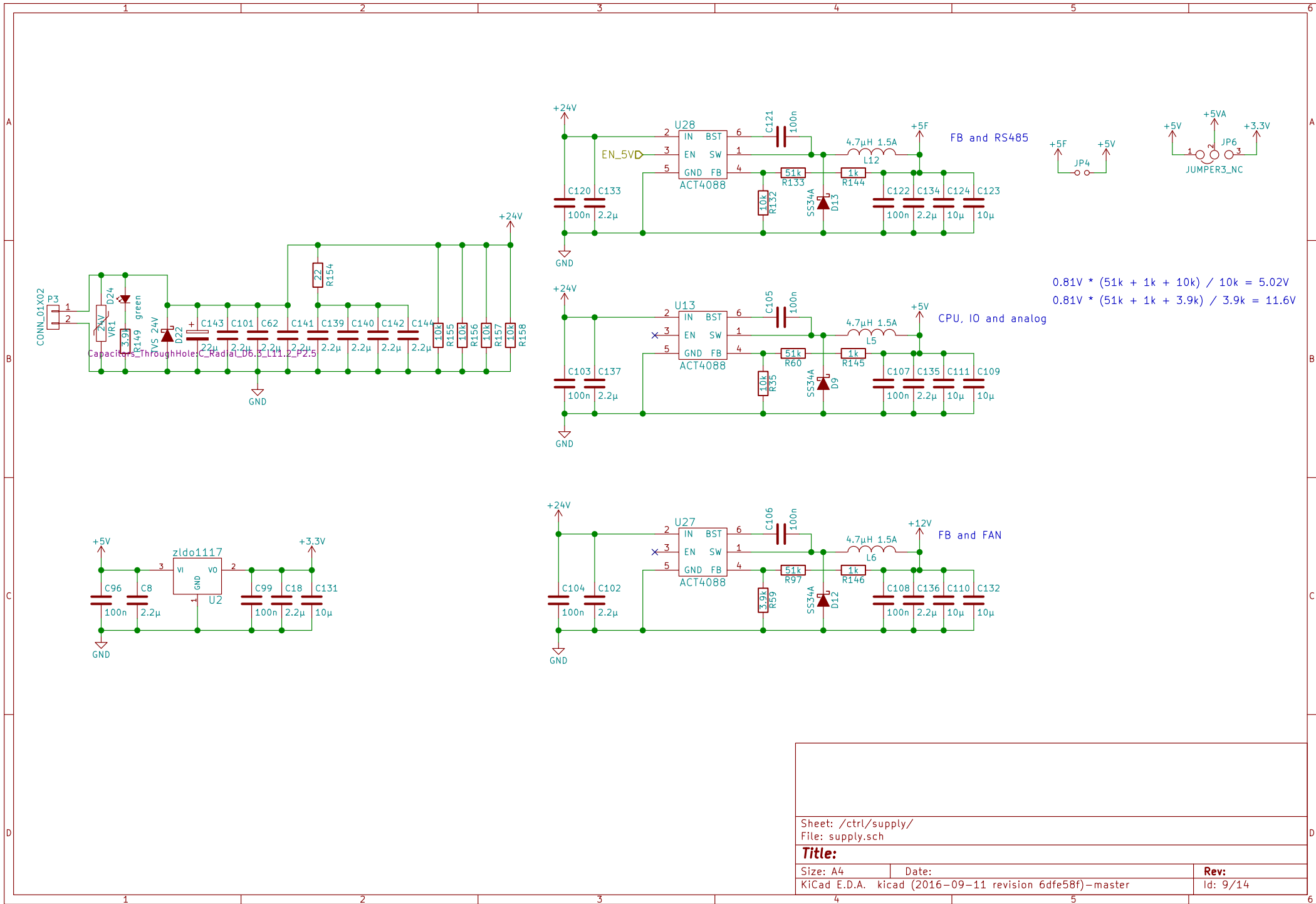
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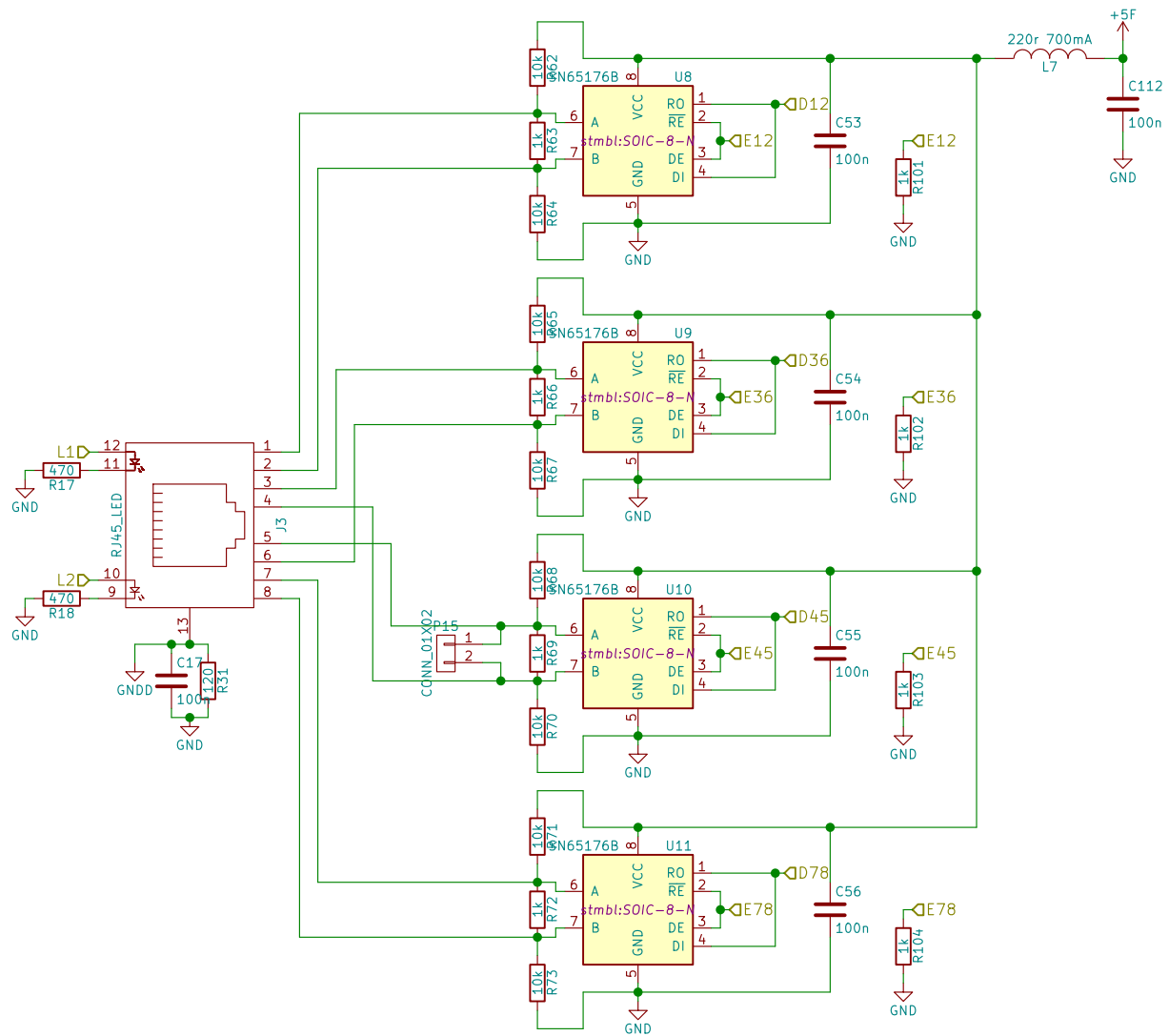
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Sheet: /ctrl/ File: ctrl.sch		
<b>Title:</b>		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (2016-09-11 revision 6dfe58f)-master		Id: 8/14







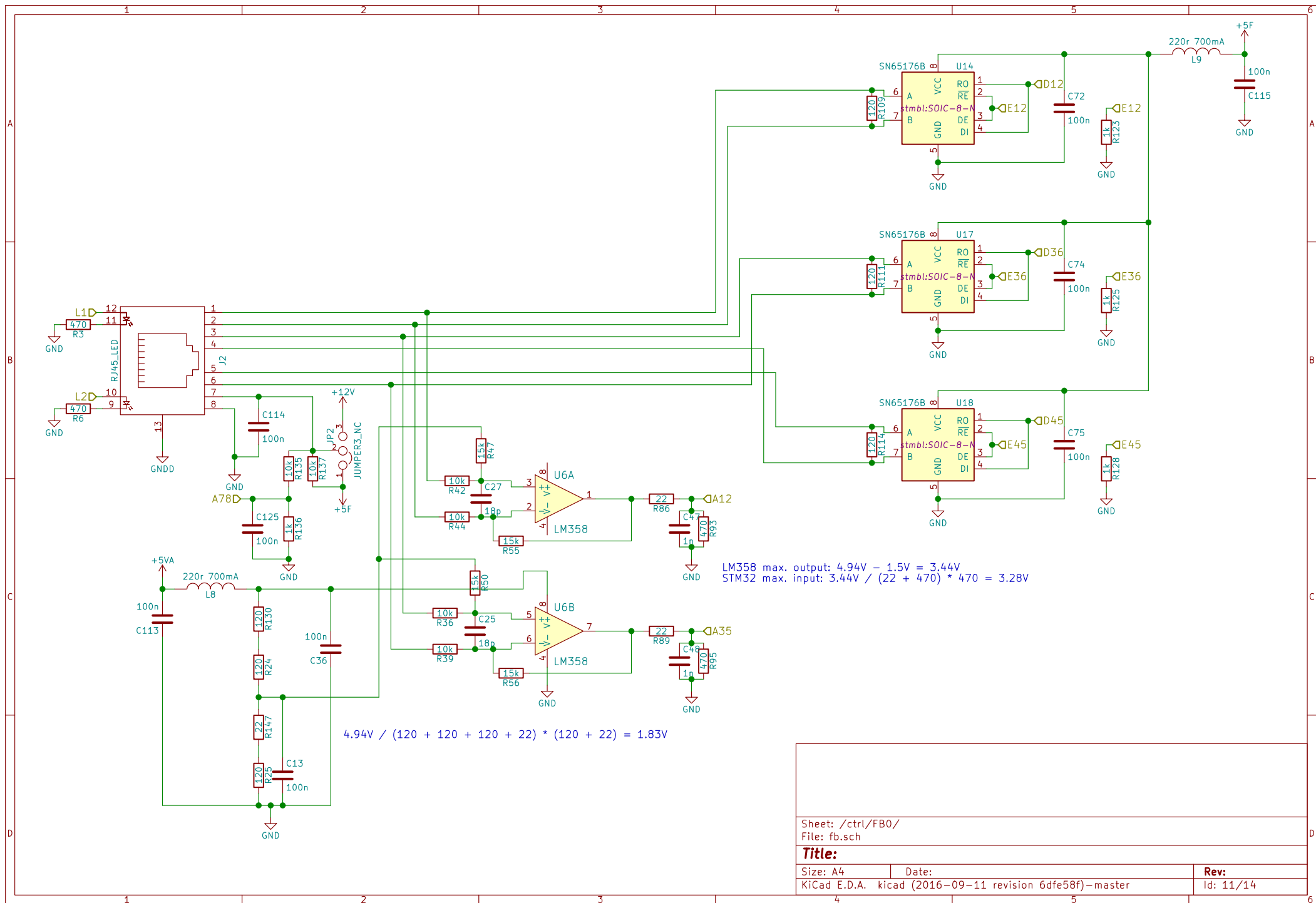
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File: cmd.sch

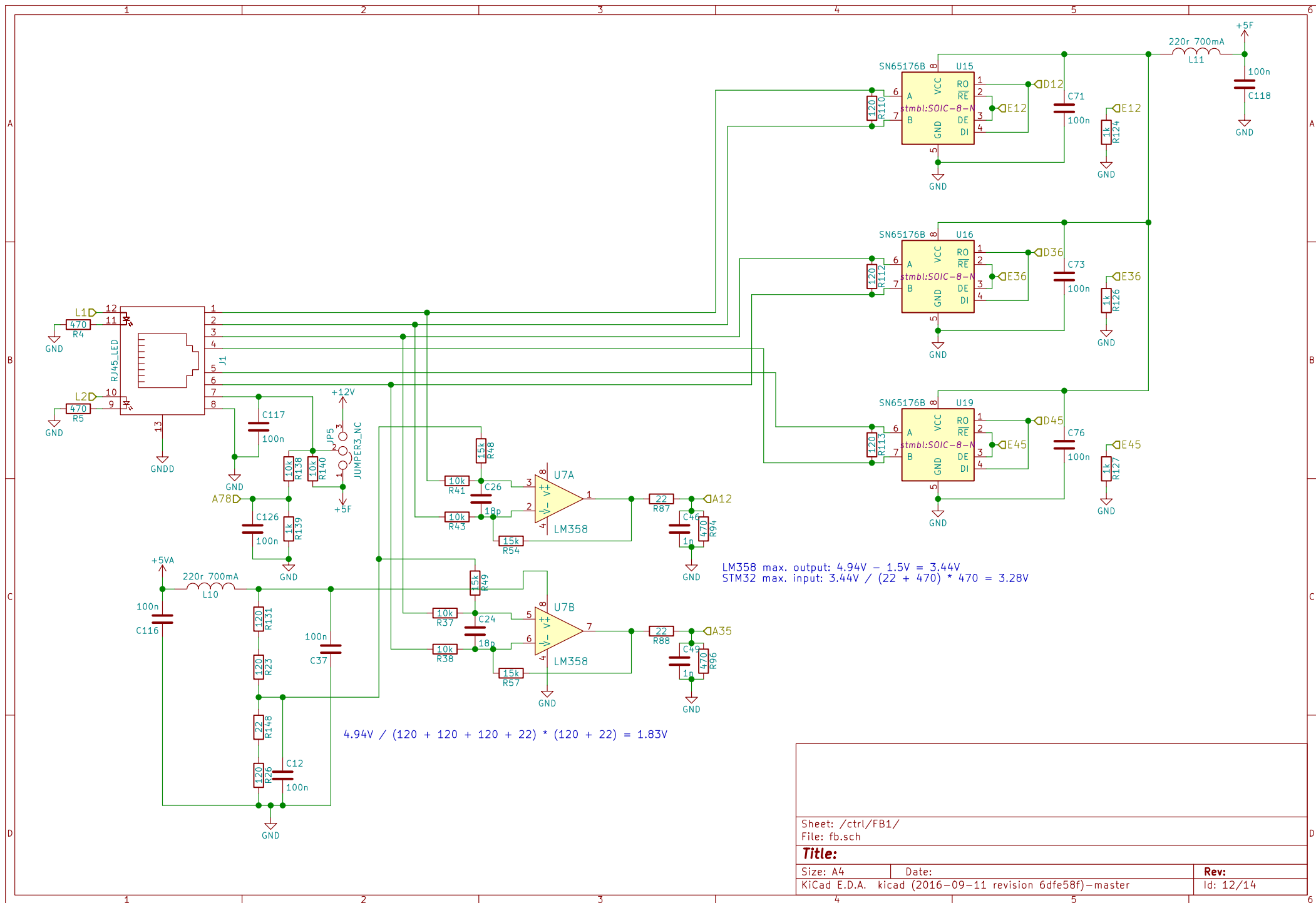
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Id: 10/14

**Rev:**





Sheet: /ctrl/FB1/  
 File: fb.sch

**Title:**

Size: A4

Date:

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**Rev:**

Id: 12/14

