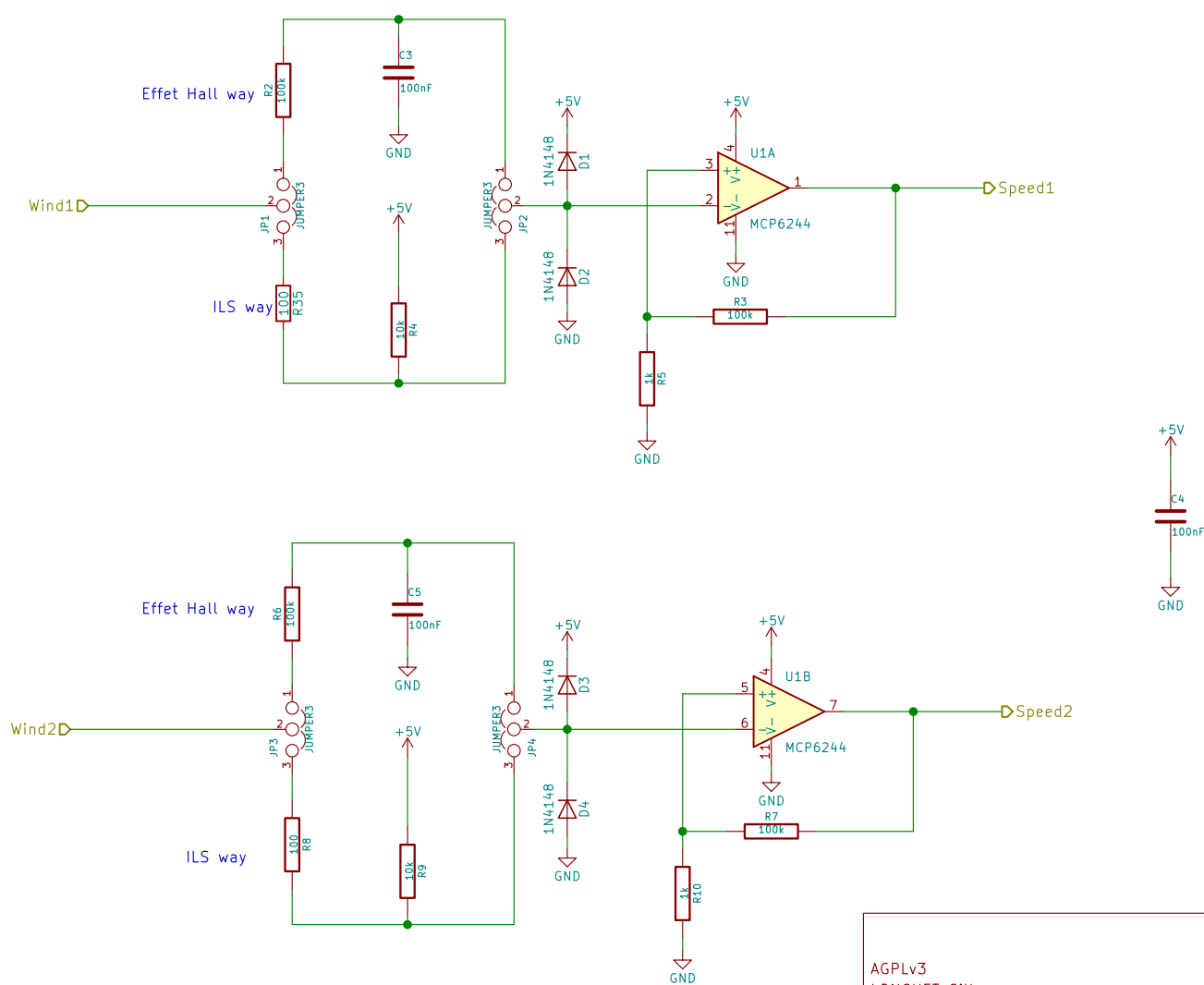


On this card it's possible to plug 2 anemometers.  
For each, with 2 jumpers, select the good way : hall effect anemometer or ILS/open collector anemometers.



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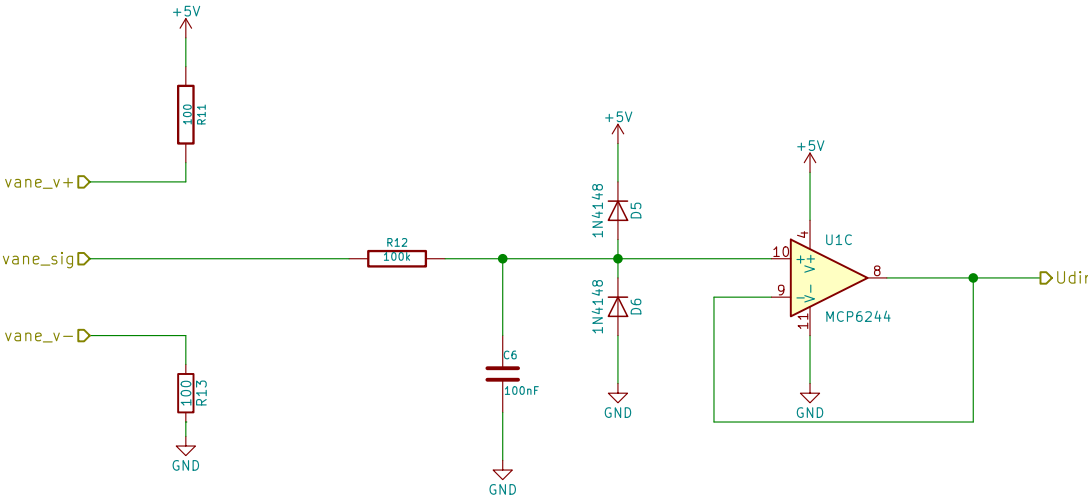
Sheet: /F1 Anemometers/  
File: F1\_anemometers.sch

**Title: Anemometer function**

Size: A4  
KiCad E.D.A. kicad 4.0.5+dfsg1-4bpo8+1

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Convert the resistor value from the windvane sensor in voltage.  
It will be convert in degree by the microcontroler.



The two 100 Ohms resistors are the blink band from the windvane (8°).  
With these we can't have short circuit between supply in the blink band.

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Sheet: /F2 windvane/  
File: F2\_windvane.sch

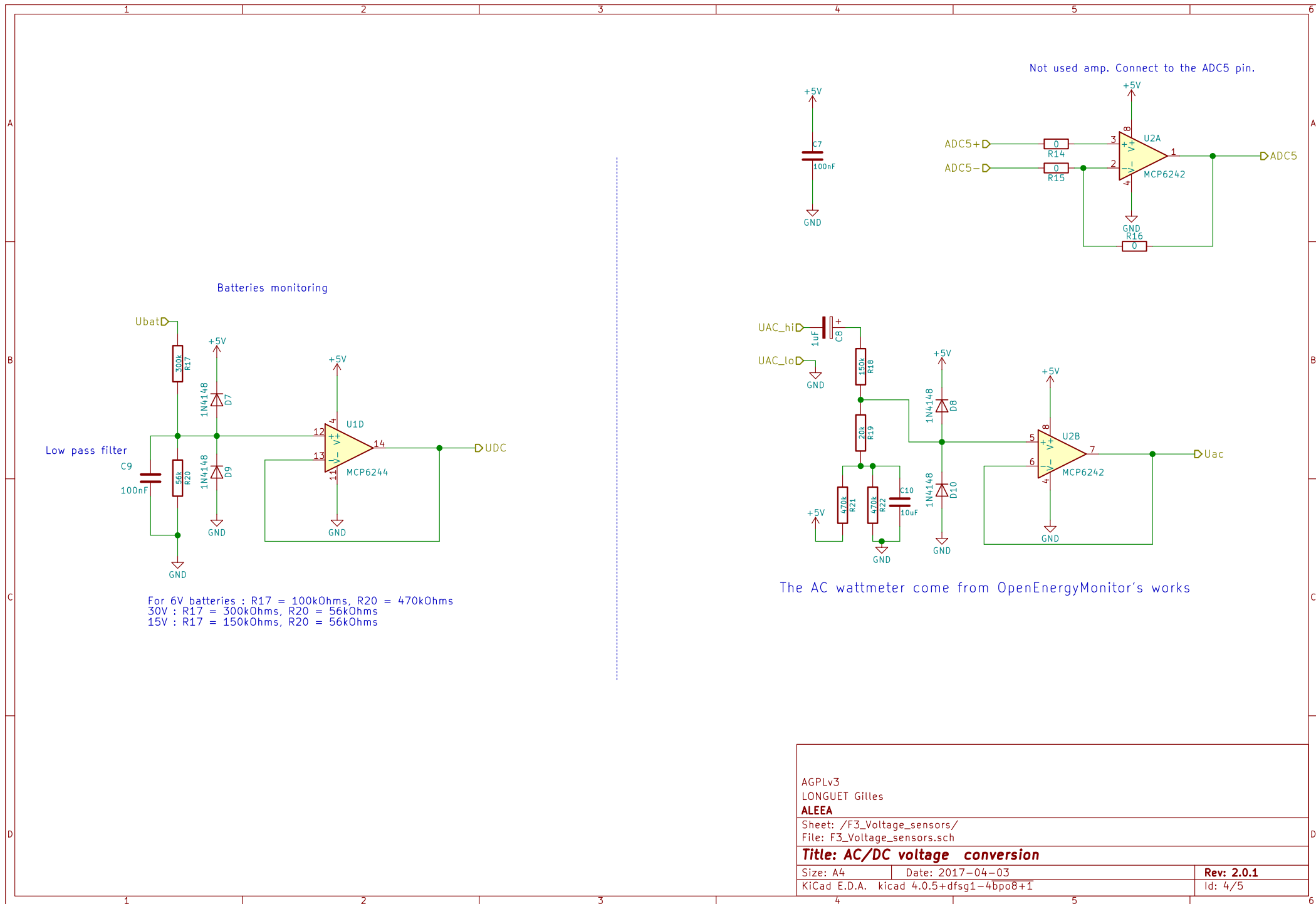
**Title: Windvane function**

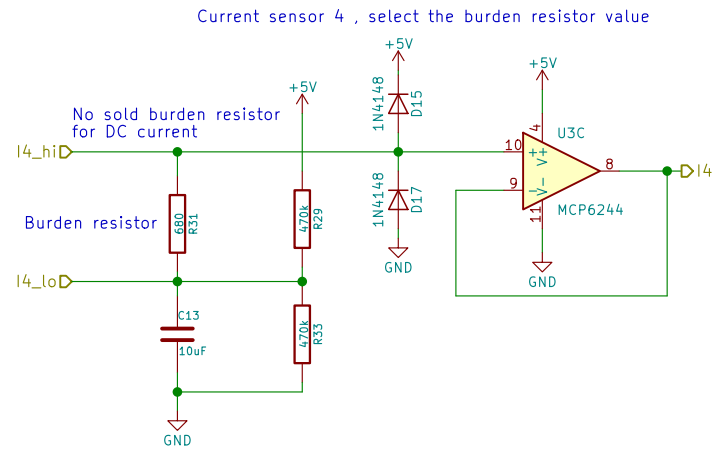
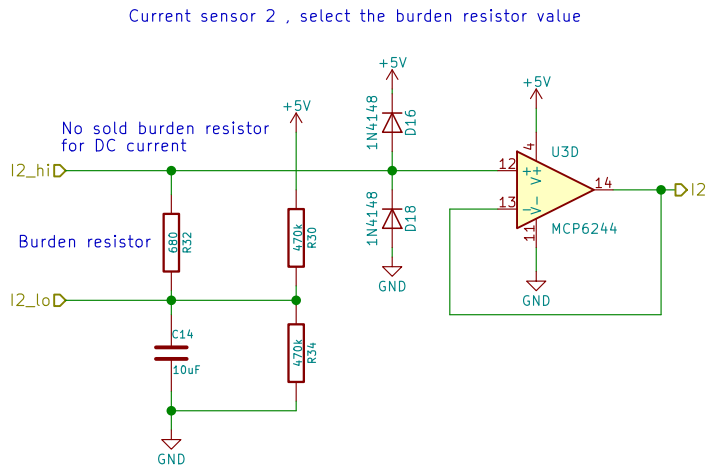
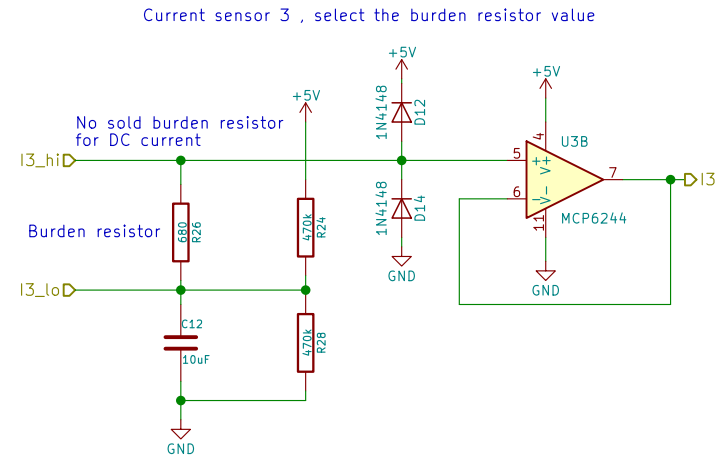
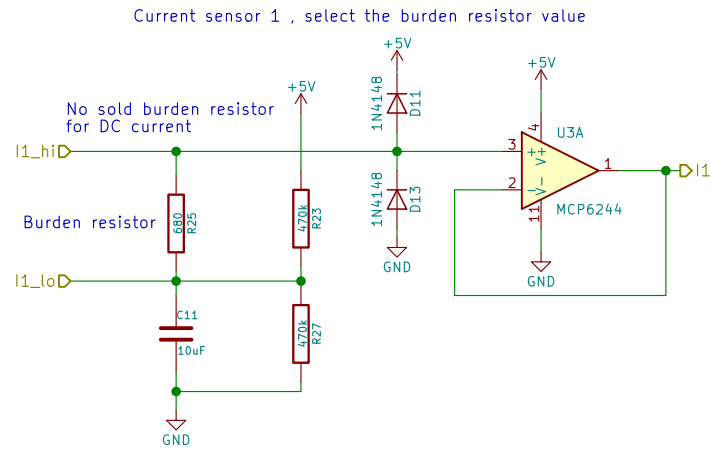
Size: A4  
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Rev: 2.0.1

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Burden Resistor (ohms) = (AREF \* CT TURNS) / (2\*sqrt(2) \* max primary current)

ex :

180 : 16A

90.9 : 32A



AGPLv3  
LONGUET Gilles  
ALEEA

Sheet: /F4\_Current\_sensors/  
File: F4\_Current\_sensors.sch

**Title: AC/DC current conversion**

Size: A4 Date: 2017-04-03

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**Rev: 2.0.1**

Id: 5/5