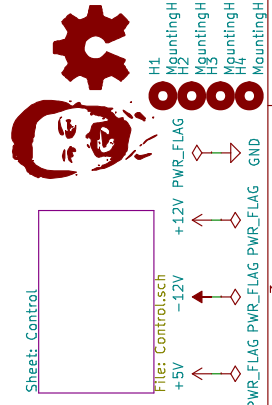


Créer modèles 3D (crystals) Exporter Netlist Continuer PCB

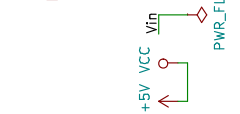
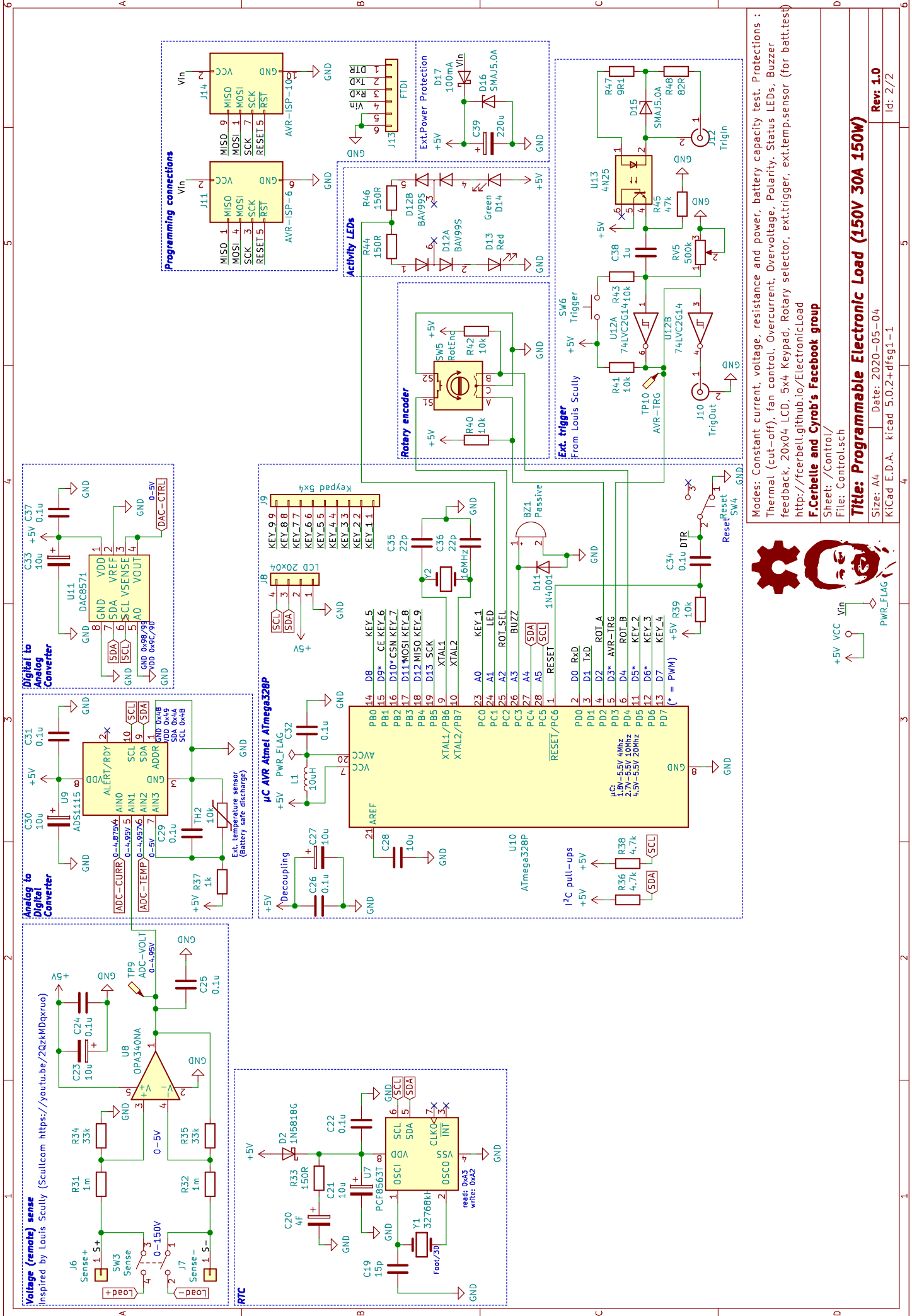


Modes: Constant current, voltage, resistance and power, battery capacity test. Protections : Thermal (cut-off), fan control, Overcurrent, Overvoltage, Polarity, Status LEDs, Buzzer feedback, 20x04 LCD, 5x4 Keypad, Rotary selector, ext.trigger, ext.temp.sensor (for batt.test) <http://fcerbell.github.io/ElectronicLoad>
F.Cerbelle and Cyrob's Facebook group

Sheet: /	File: FC005-ElectronicLoad.sch
Title: Programmable Electronic Load (150V 30A 150W)	
Size: A4	Date: 2020-05-04
KiCad E.D.A.	Id: 1/2

- SW TODO:
- UnderVoltage protection (Cut-off for batteries)
 - OverVoltage protection
 - OverCurrent protection
 - External temperature sensors + protection (pause or stop)
 - Current, Voltage, Power, Resistance control modes
 - Trigger (start, stop, pattern)
 - USB programming and monitoring
 - Save/Load/Reset settings
 - Serial datalogger (FTDI/Openlog)

Improvements:
- I²C IO extender for keyboard
- I²C OLED display / epaper or LCD



Modes: Constant current, voltage, resistance and power, battery capacity test. Protections : Thermal (cut-off), fan control, Overcurrent, Overvoltage, Polarity, Status LEDs, Buzzer feedback, 20x04 LCD, 5x4 Keypad, Rotary selector, ext.trigger, ext.temp.sensor (for batt.test)

F.Cerbelle and Cyrob's Facebook group
Sheet: /Control/
File: Control.sch
Title: Programmable Electronic Load (150V 30A 150W)
Size: A4 Date: 2020-05-04
KiCad E.D.A. kicad 5.0.2+dfsg1-1
Rev: 1.0
Id: 2/2