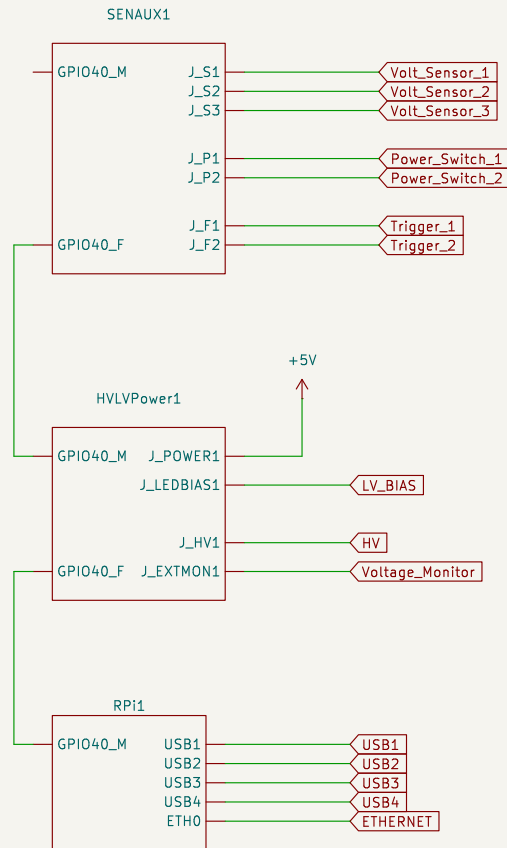


## RPi hat stack.



Generic Voltage sensors (range 0V–10V)  
Typically used for temperature sensors.  
Order can be changed (requires corresponding software configuration)

Power switch (5V, up to 3A)  
Programmable power delivery system. (Switching speed is ~1ms)  
Can be interchanged (requires corresponding software configuration)

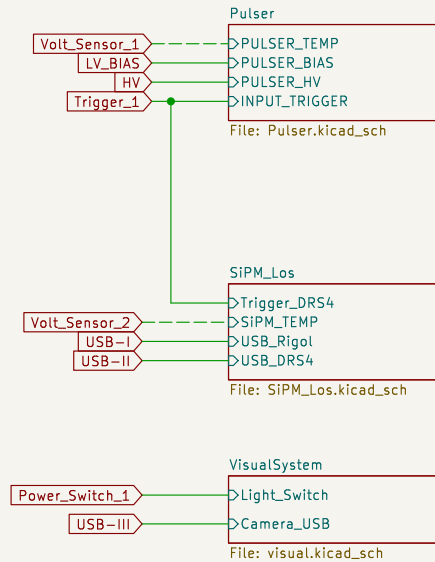
Trigger systems (0V–3.3V)  
Fastest rate is ~200ns  
Order can be changed (requires corresponding software configuration)

Notice:  
All power for the hat stack should be provided through this board. Do \*not\* provide power to the RPi using their USB port!!

All USB systems are interchangeable

Each sheet is a self-contained system that can be used or left out, depending on use case.  
Various systems of the same can be interchanged.  
The displayed labelling is the default order.

Dotted lines can be omitted (though it may lose functionality)



Sheet: /  
File: wiring.kicad\_sch

**Title: Wiring\_Master**

Size: A4 Date:

KiCad E.D.A. 8.0.3

Rev:

Id: 1/4

