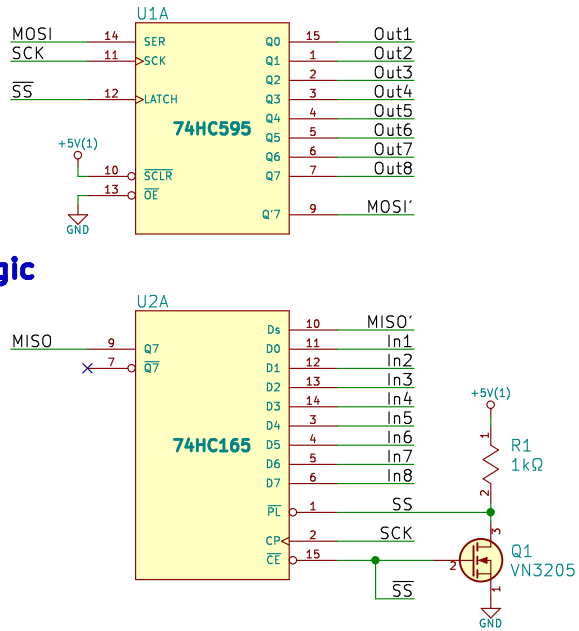
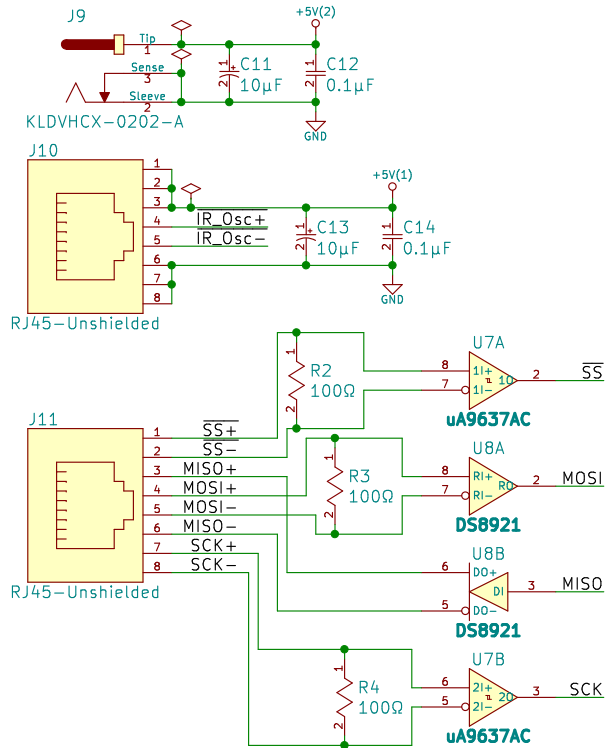


### SPI I&O Logic

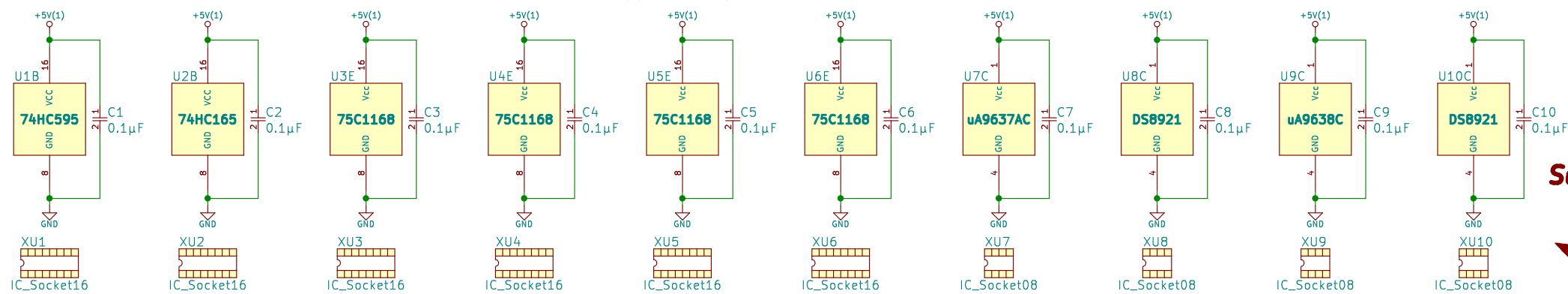


### Power & Data Input

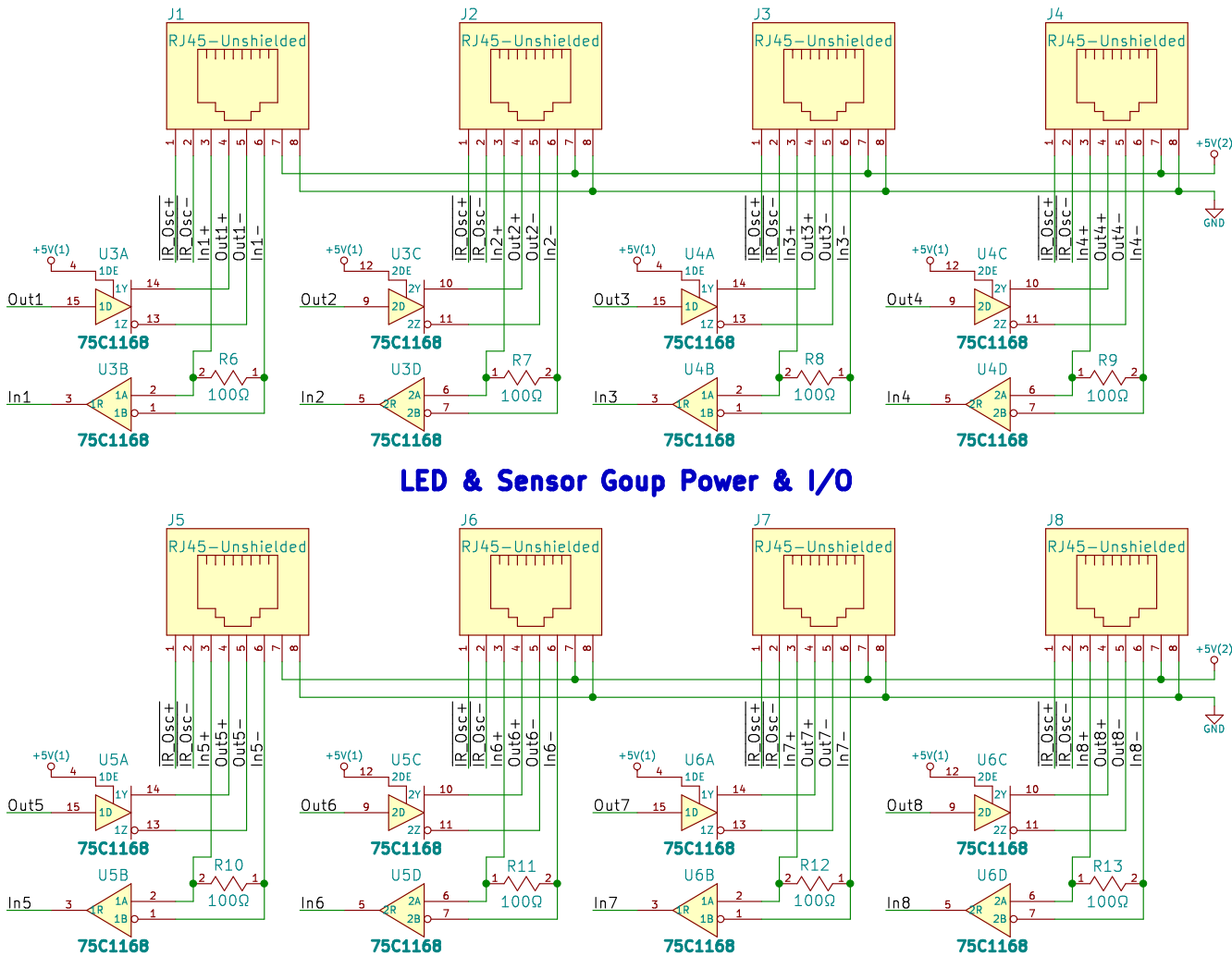
+5V(1) is for on-board logic.  
+5V(2) is to drive LED&Sensor boards.



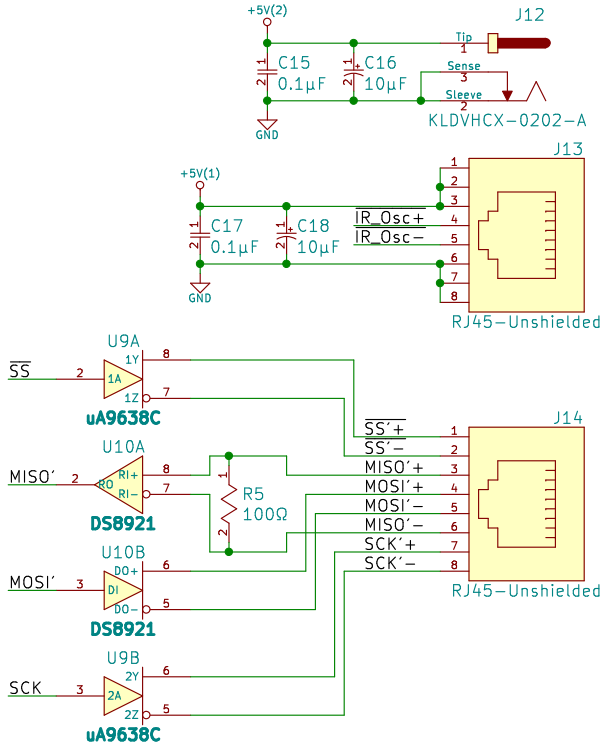
### IC Power, Bypass Capacitors, & Sockets



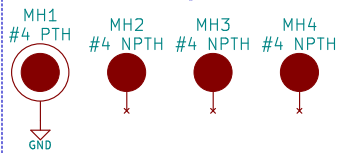
### LED & Sensor Goup Power & I/O



### Power & Data Output



### Mounting Holes



Sembazuru  
Circuits



2.0.3 Update to KiCad v5 formatting  
2.0.2 Add termination resistors for differential inputs.  
2.0.1 Implement differential signalling for inter-board communication.  
2.0.0 Split schematic up for 4 individual PWB designs

Sheet: /  
File: I&O\_Epander.sch

Title: Interactive Rainbow

Size: B Date: 2018-06-02  
KiCad E.D.A. kicad (5.0.0-rc2-83-gda392728d)

Rev: 2.0.3  
Id: 1/1