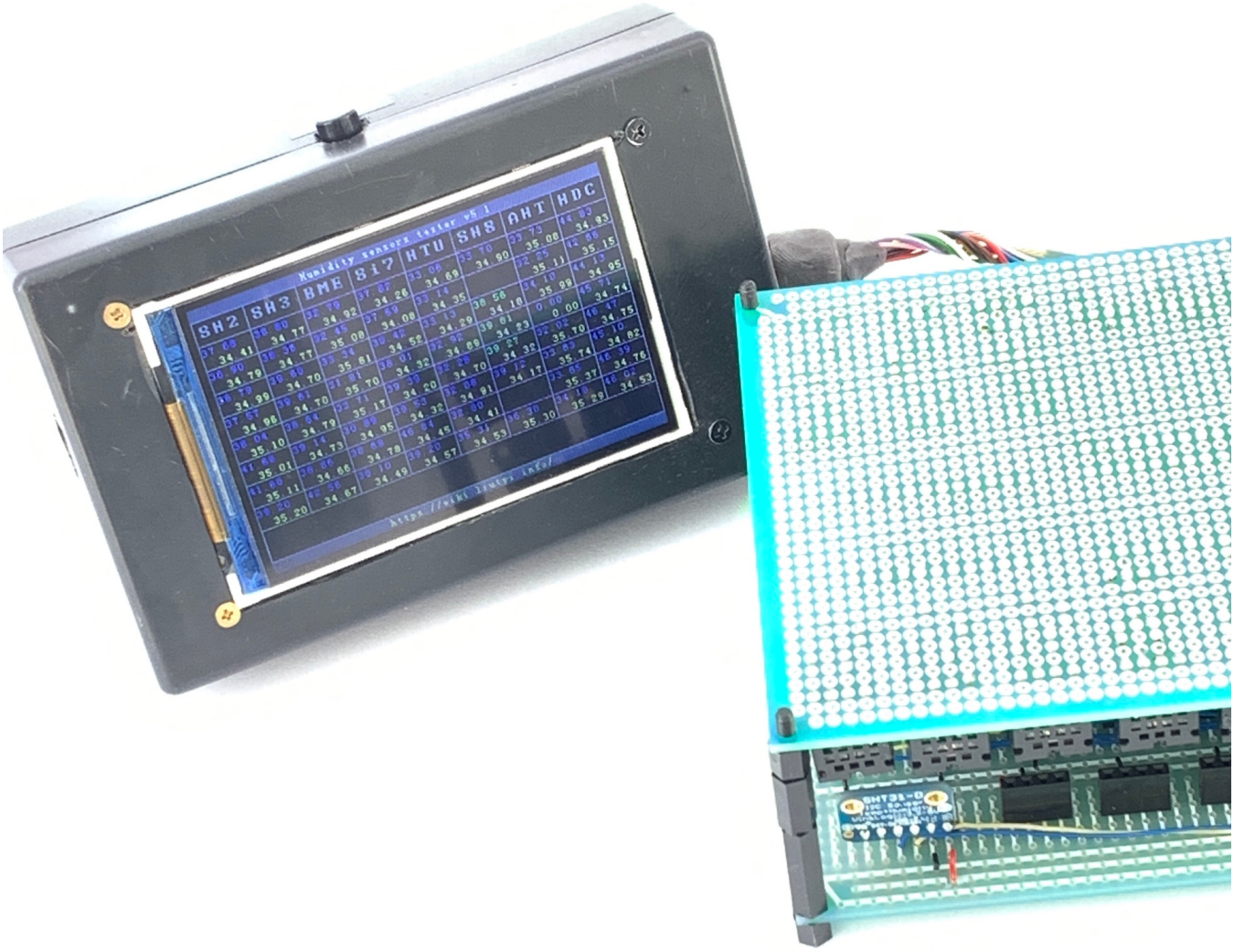
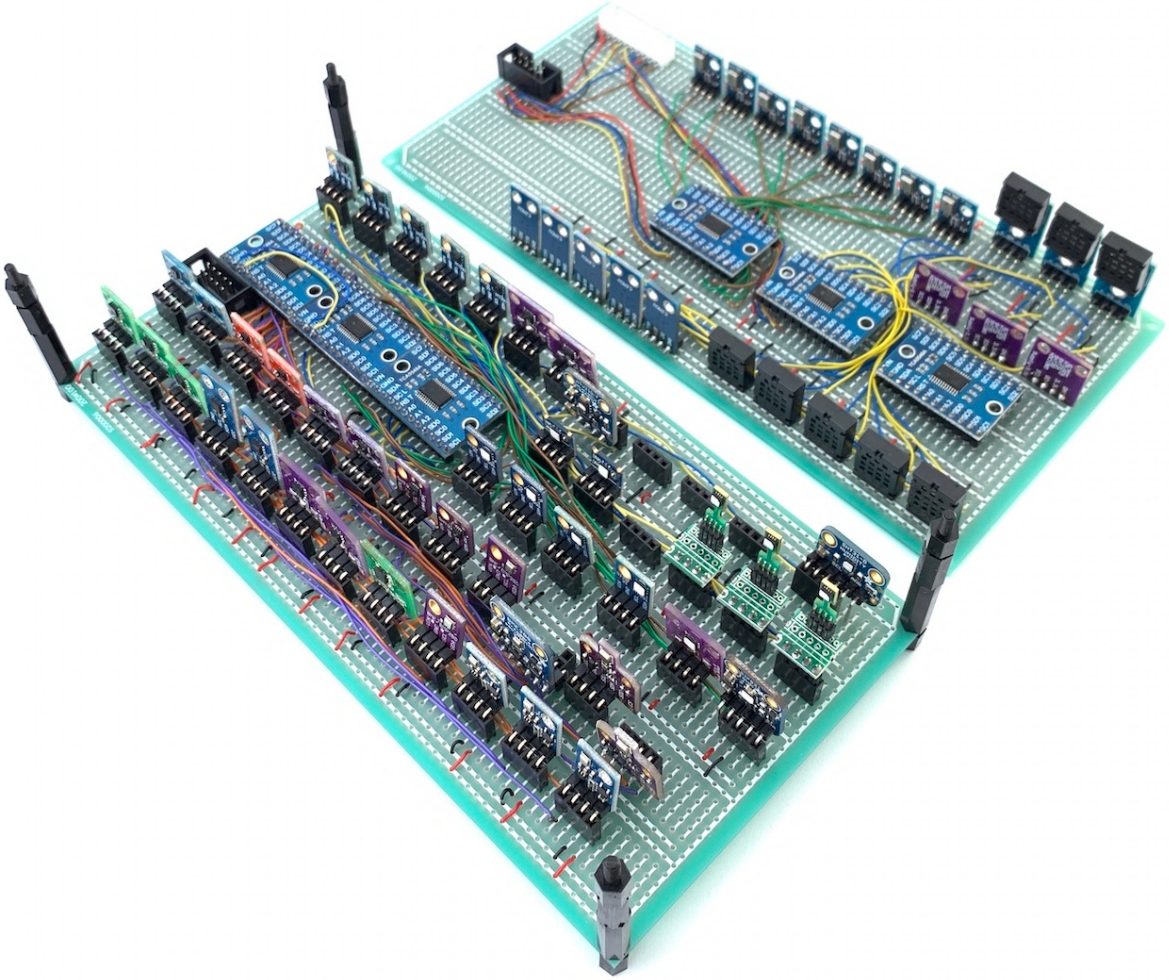
v5 Sensors Board project

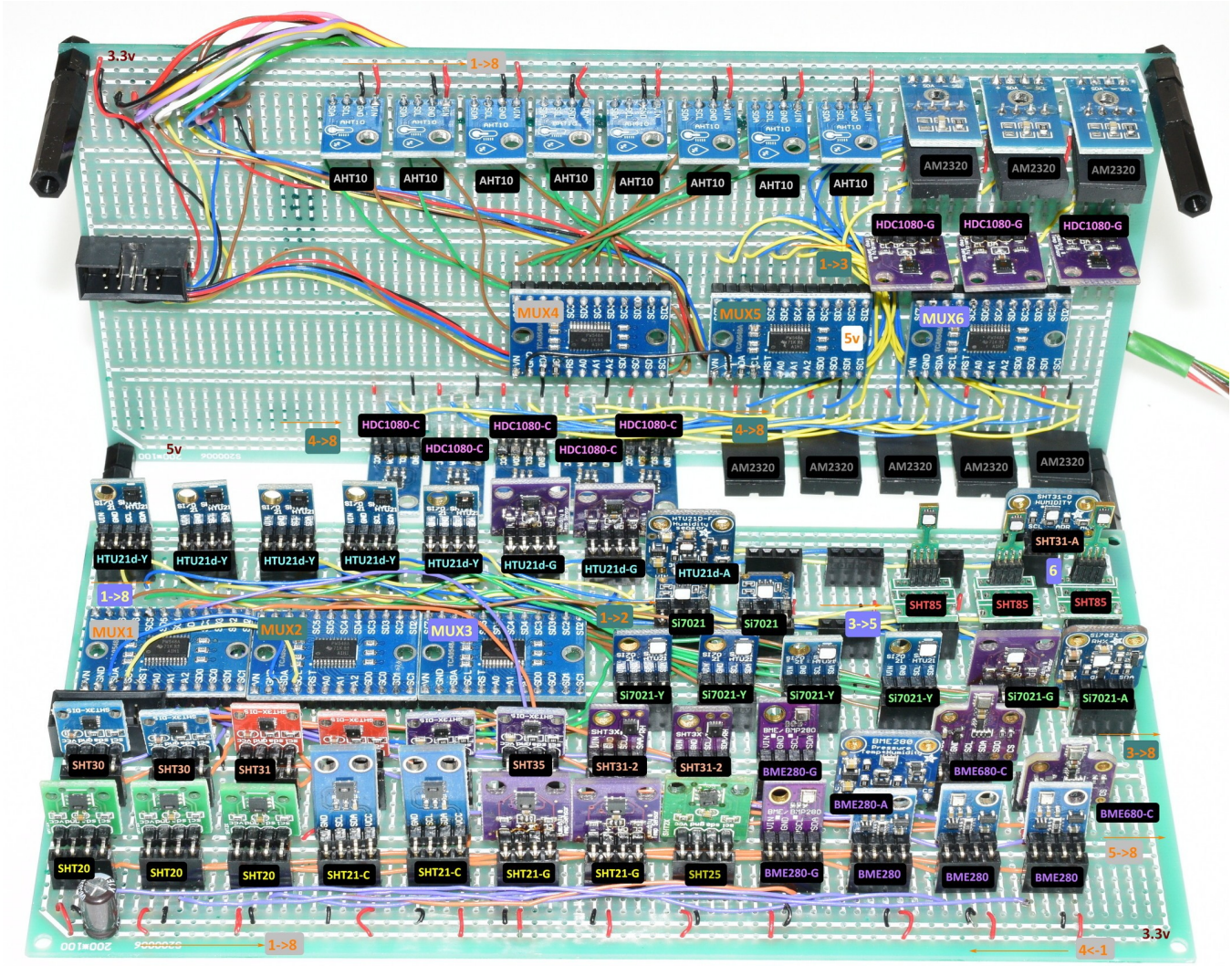
code: https://github.com/liutyi/arduino-humidity-sensors-test/blob/v5.1/arduino-humidity-sensors-test.ino



Key feature.

- Multiplexers integrated into the sensor board (fewer connectors and wires)
- New wiring (shorter cables, easy to update any sensor wiring)
- Separate Multiplexer for AHT10 (stable operation)
- Multiplexer with 5v signal level (for AM2320 and HDC1080)
- Increase number of datalog files from 99 to 999




3.3v
1->8
AHT10
AM2320
HDC1080-G
1->3
MUX4
MUX5
MUX6
5v
4->8
HDC1080-C
HTU21d-Y
HTU21d-G
HTU21d-A
SHT31-A
6
SHT85
1->2
Si7021
3->5
Si7021-Y
Si7021-G
Si7021-A
MUX1
MUX2
MUX3
SHT30
SHT31
SHT35
SHT31-2
BME280-G
BME280-A
BME680-C
3->8
SHT20
SHT21-C
SHT21-G
SHT25
BME280
BME680-C
5->8
1->8
4<-1
3.3v