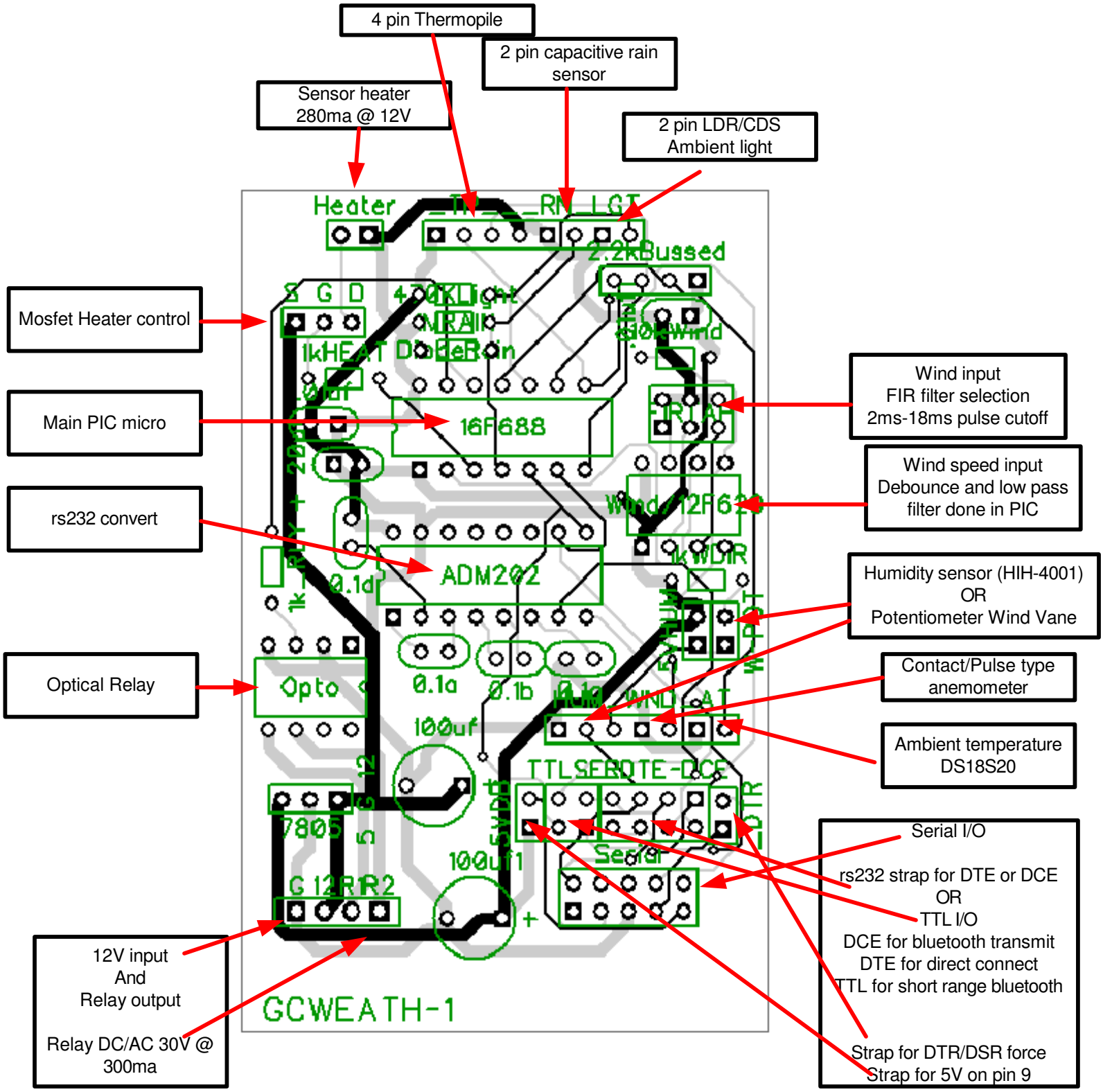
4 pin Thermopile
2 pin capacitive rain sensor
Sensor heater 280ma @ 12V
2 pin LDR/CDS Ambient light
Mosfet Heater control
Main PIC micro
rs232 convert
Optical Relay
12V input And Relay output
Relay DC/AC 30V @ 300ma
Wind input FIR filter selection 2ms-18ms pulse cutoff
Wind speed input Debounce and low pass filter done in PIC
Humidity sensor (HIH-4001) OR Potentiometer Wind Vane
Contact/Pulse type anemometer
Ambient temperature DS18S20
Serial I/O
rs232 strap for DTE or DCE OR TTL I/O
DCE for bluetooth transmit
DTE for direct connect
TTL for short range bluetooth
Strap for DTR/DSR force
Strap for 5V on pin 9
Heater
2.2kBussed
16F688
ADM202
Opto
7805
TTLSERDTE-DCE
Serial
GCWEATH-1