# SiPM test pcb

David Christian

4/14/14

# SiPM test pcb (by Sergey Los)

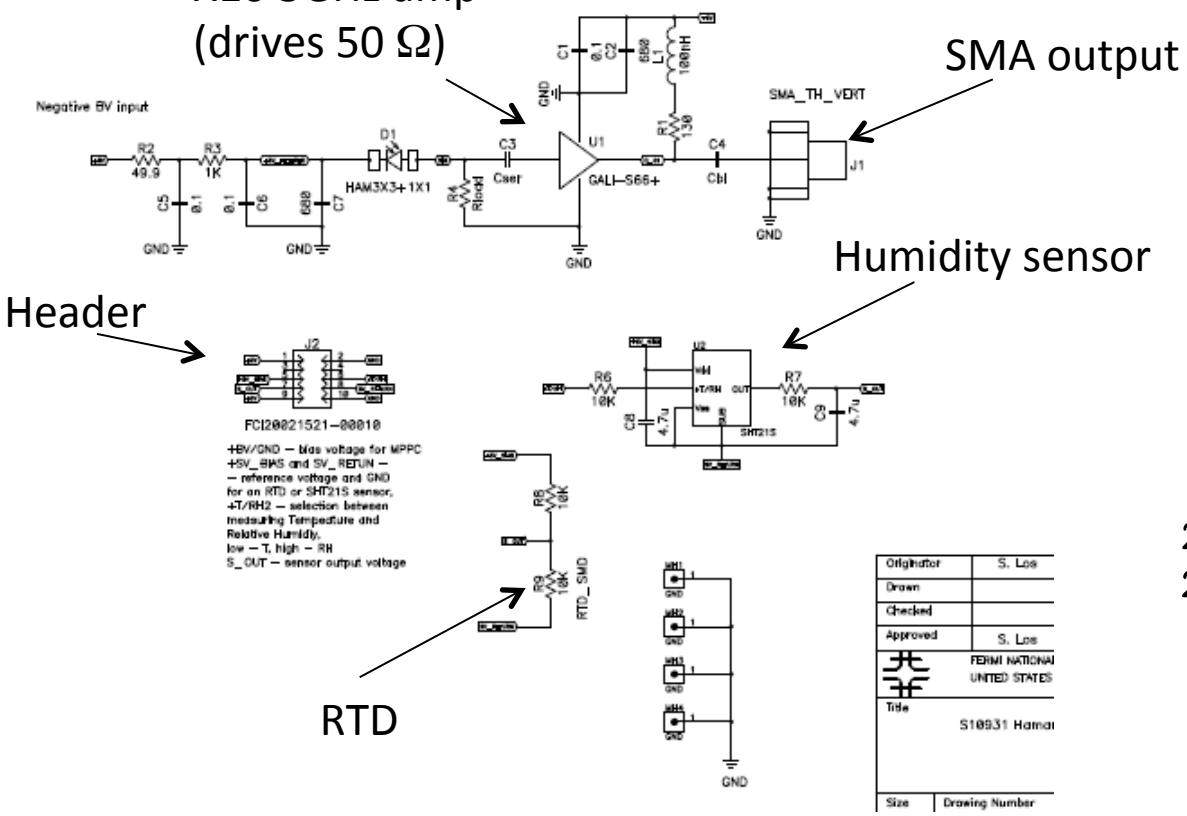
X10 3GHz amp
(drives 50 Ω)

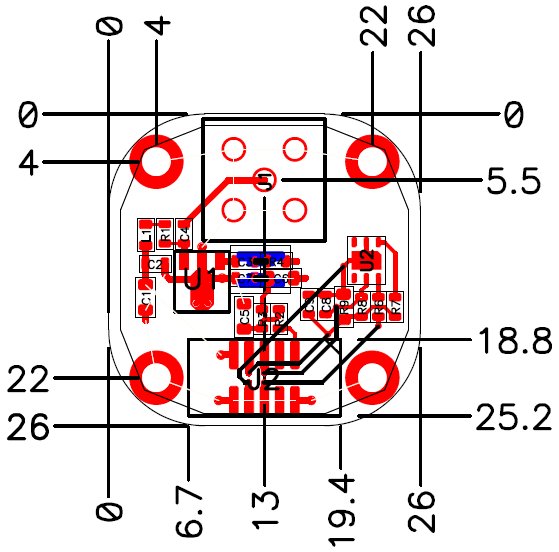
SMA output

Humidity sensor

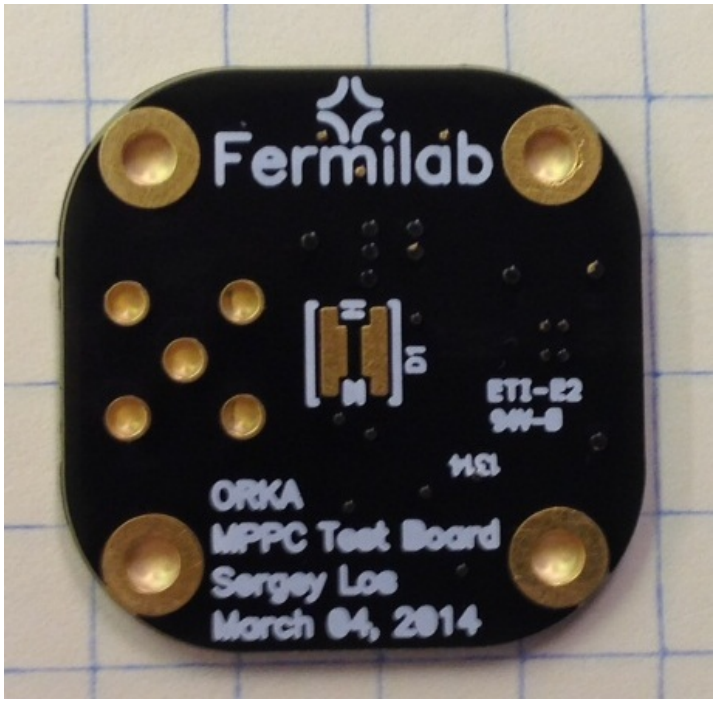
Header

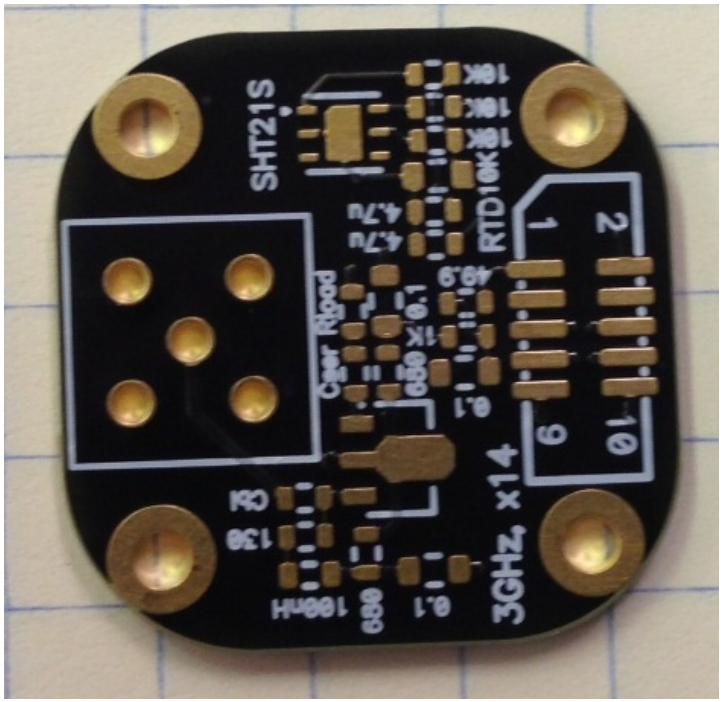
RTD



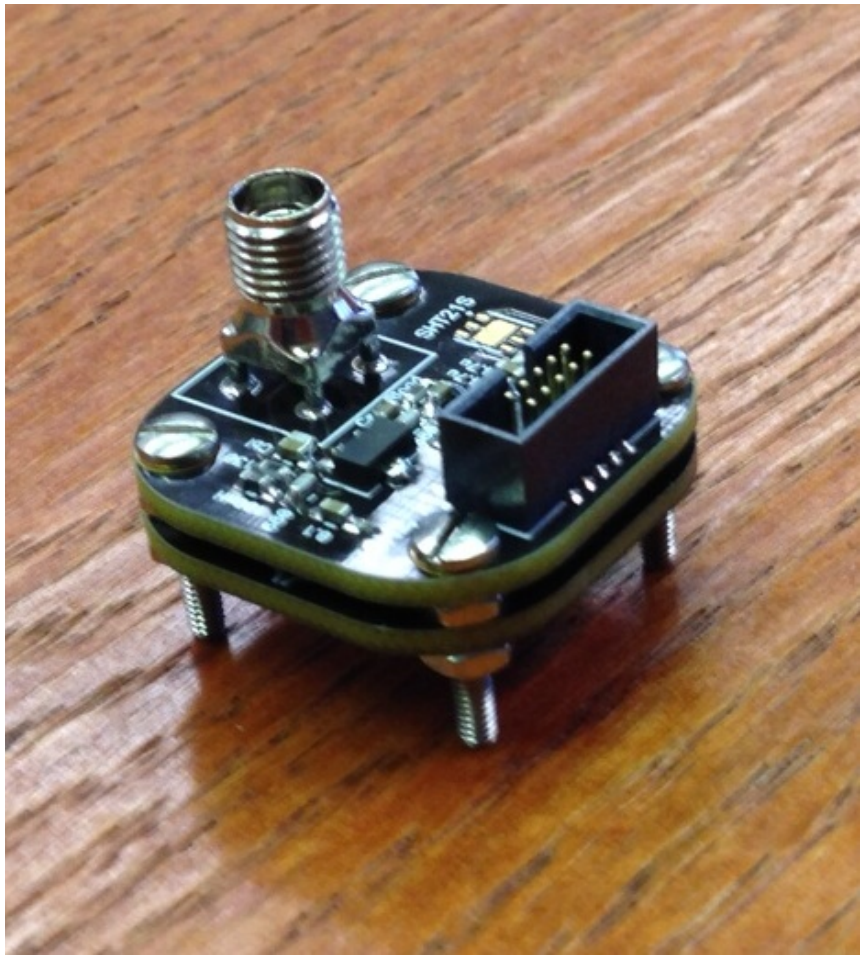



# SiPM on one side; components on the other



# Assembled pcb



Second pcb is used as a clamp in this case (w/hole for light); SiPM mounted w/ anisotropic film.

# How many should we assemble?

- 30 pcbs on hand.
- 1 (partially assembled) sent to Elizabeth.
- Will modify a CMS SiPM control board to supply HV & readout temp/humidity.
- Inexpensive USB-I2C interface.
- Plan to provide bare-bones pc slow control/ monitoring software.
  - How useful is this step?
  - How many test boards should we assemble?
  - How many control/monitoring setups?