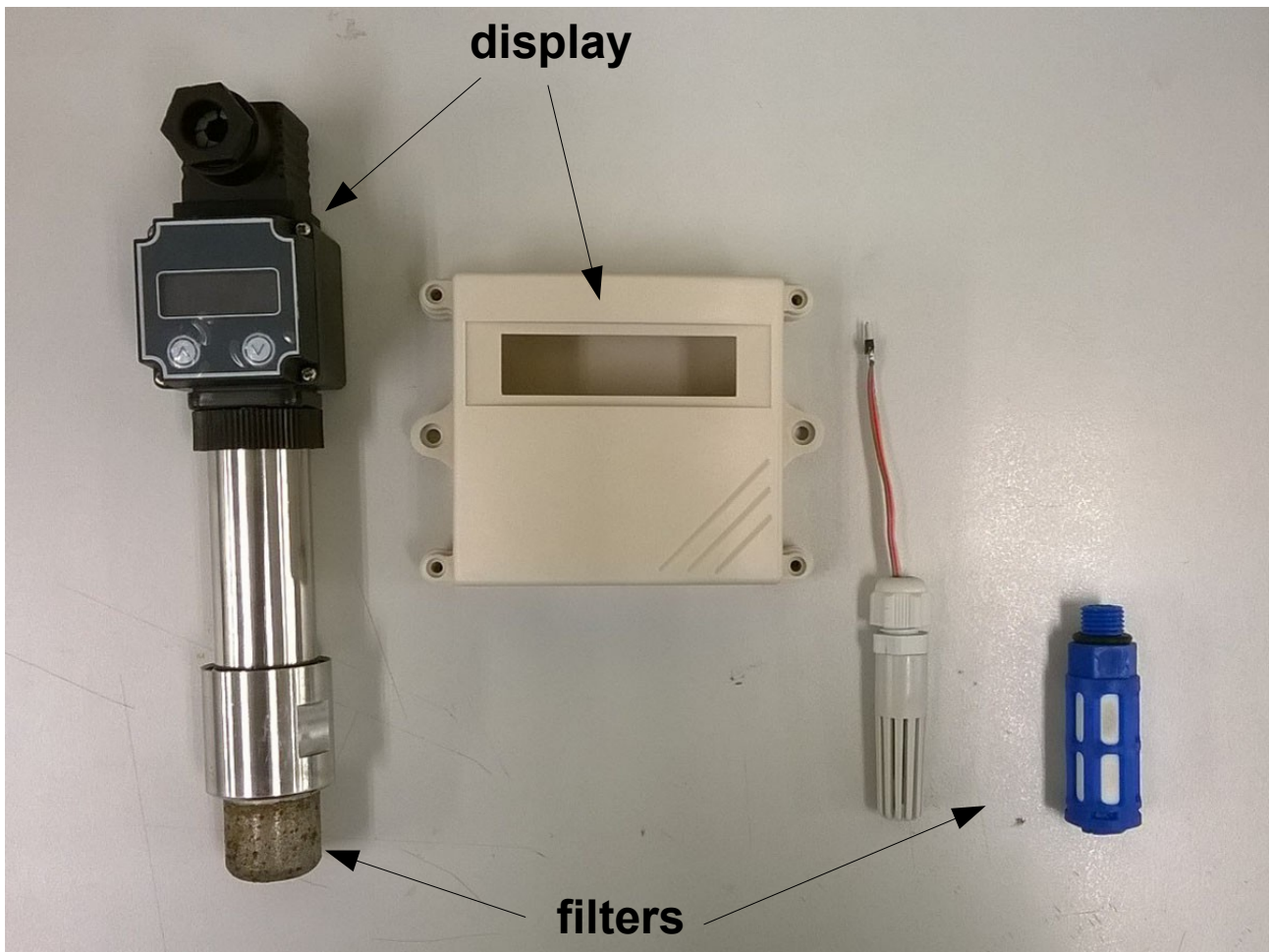
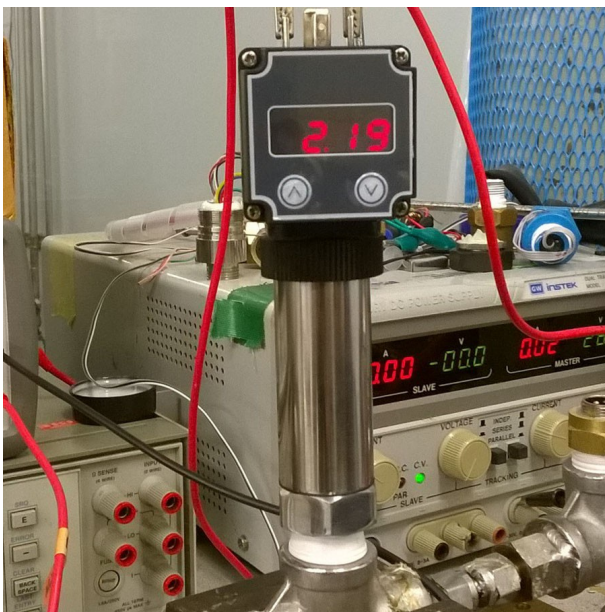


## Humidity transmitter package prototype

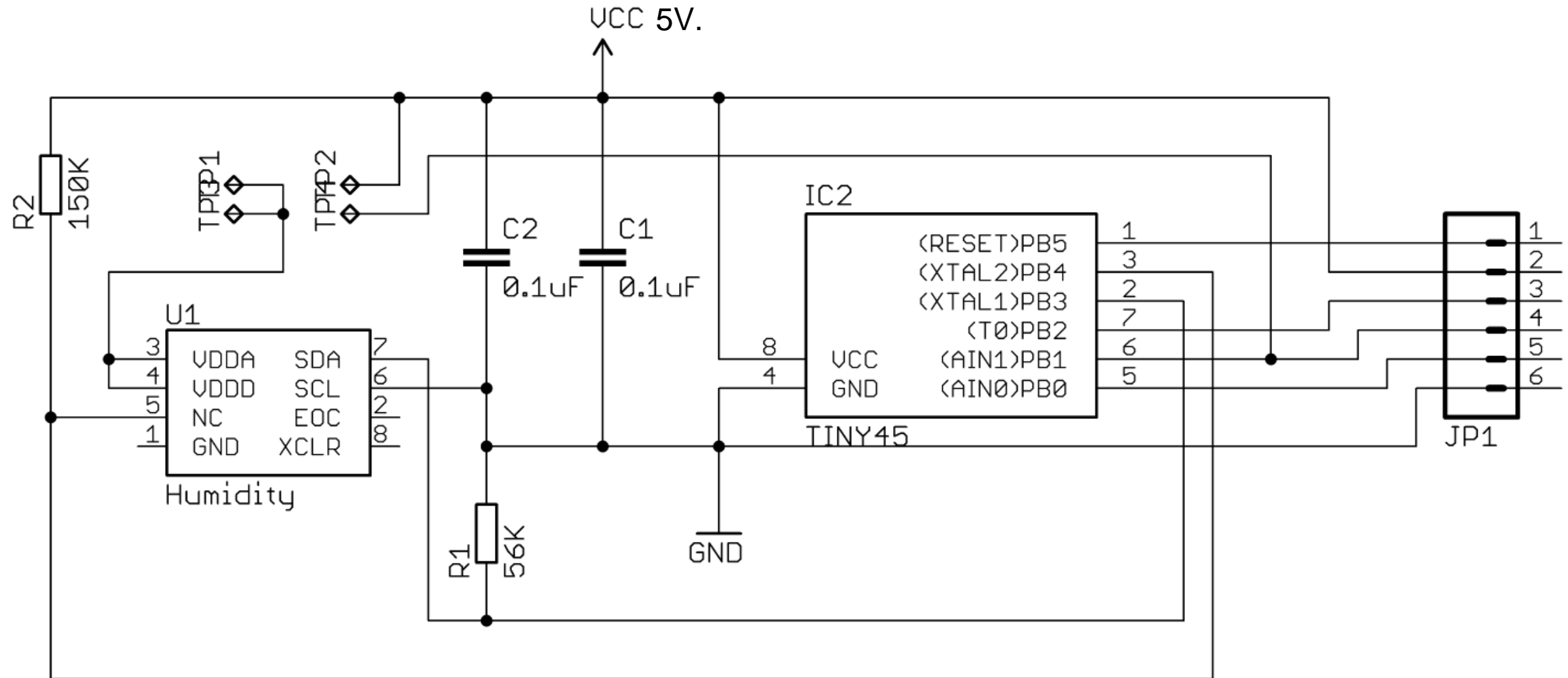


in action...

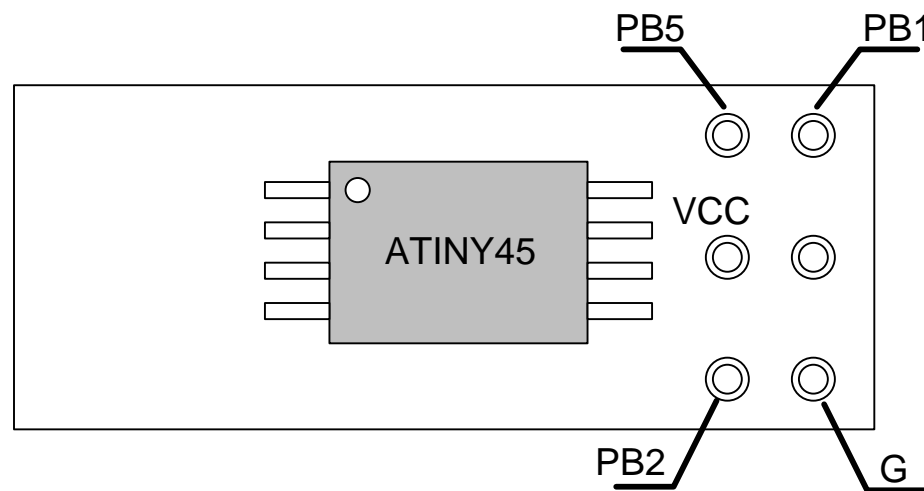


**Note:** Prototypes are assembled at Thai Microelectronics Center for demonstration

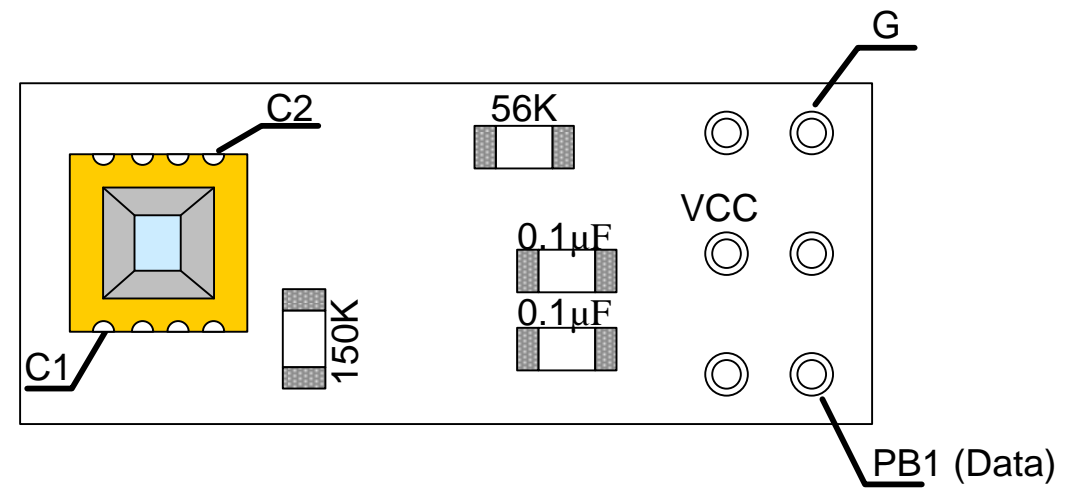
# Schematic Diagram for digital output (serial or voltage)



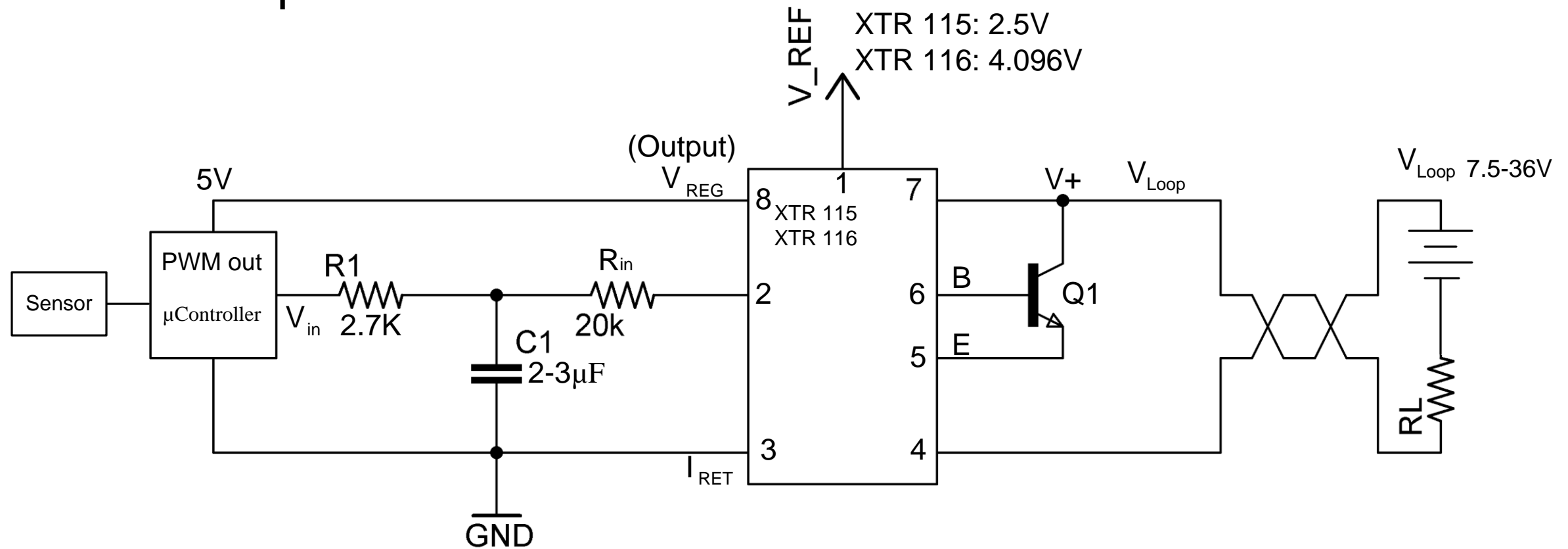
Bottom size PCB



Front size PCB



# 4-20mA output schematic



With  $R_{in} = 20k\Omega$  for  $I_o = 4mA - 20mA$   
 $V_{in} = 0.8V - 4V$   $I_{in} = 40\mu A - 200\mu A$

Q1: 0.8W at 40V, 20mA  
 Separate from main circuit and mount for conduct heat outside package (housing)

Type	Package
2N4922	TO-225
TIP29C	TO-220
TIP31B	TO-220