



“Micro-Pac” Sensor Unit

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APPLICATION OPERATION

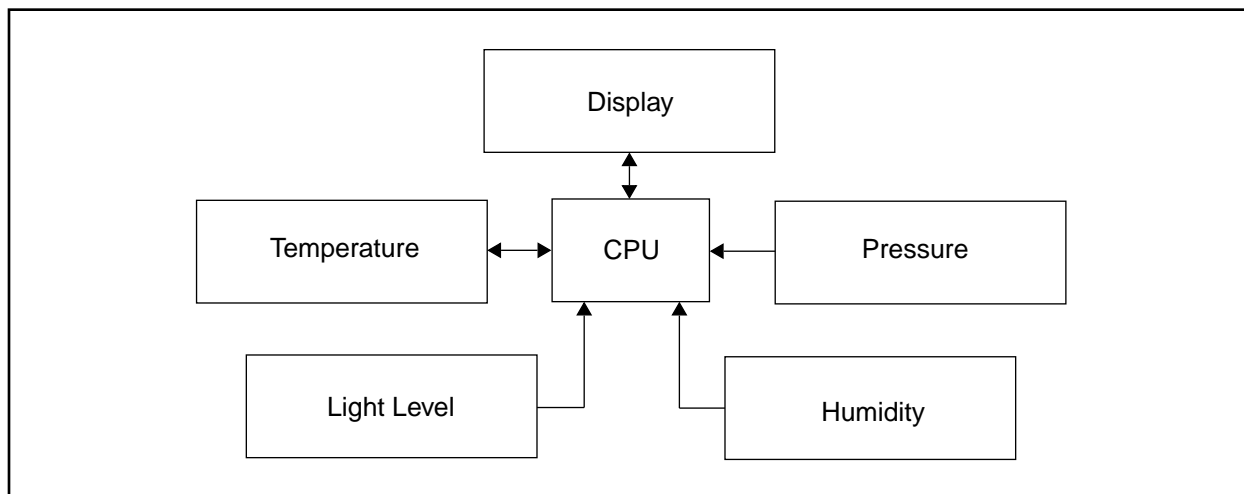
This application note describes a method to allow a PIC12C672 to monitor and report via a 2x16 LCD display the following environmental conditions:

1. Relative Humidity 0-100%.
2. Barometric Pressure 0-15 PSIA.
3. Ambient Temperature -67°F to +257°F.
4. Light Sensor that is highly programmable.

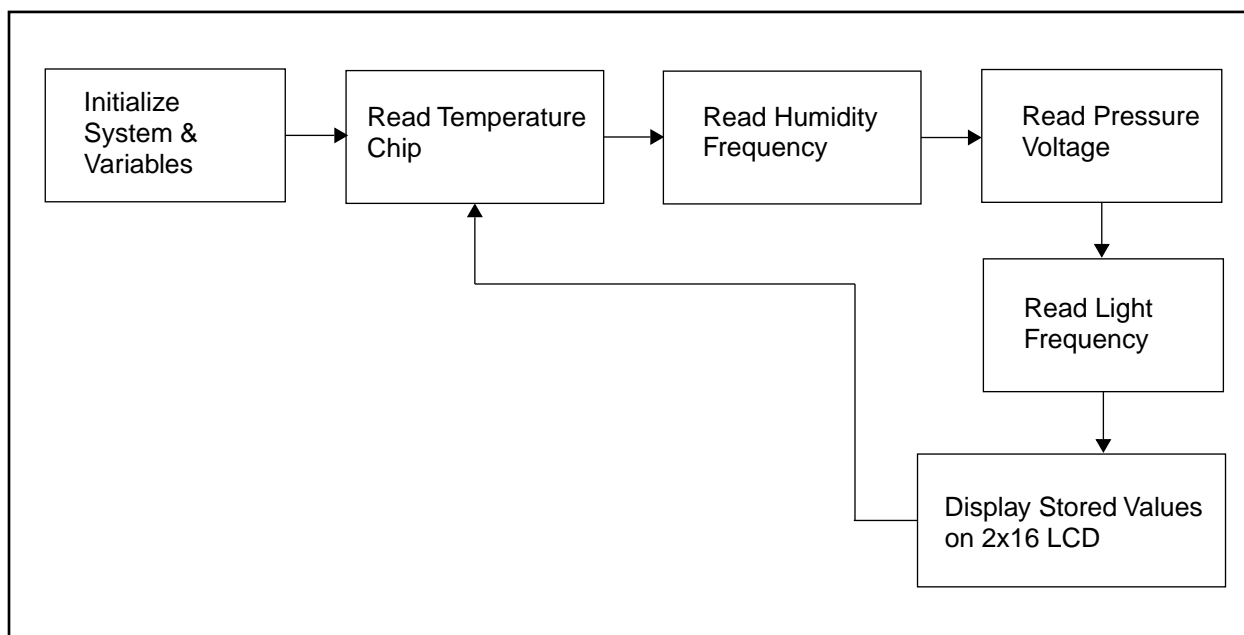
Care was taken to choose transducers that required a minimum of support components and also parts that directly handle temperature and voltage compensation that would normally require additional components or programming to correct.

Sensor Interface

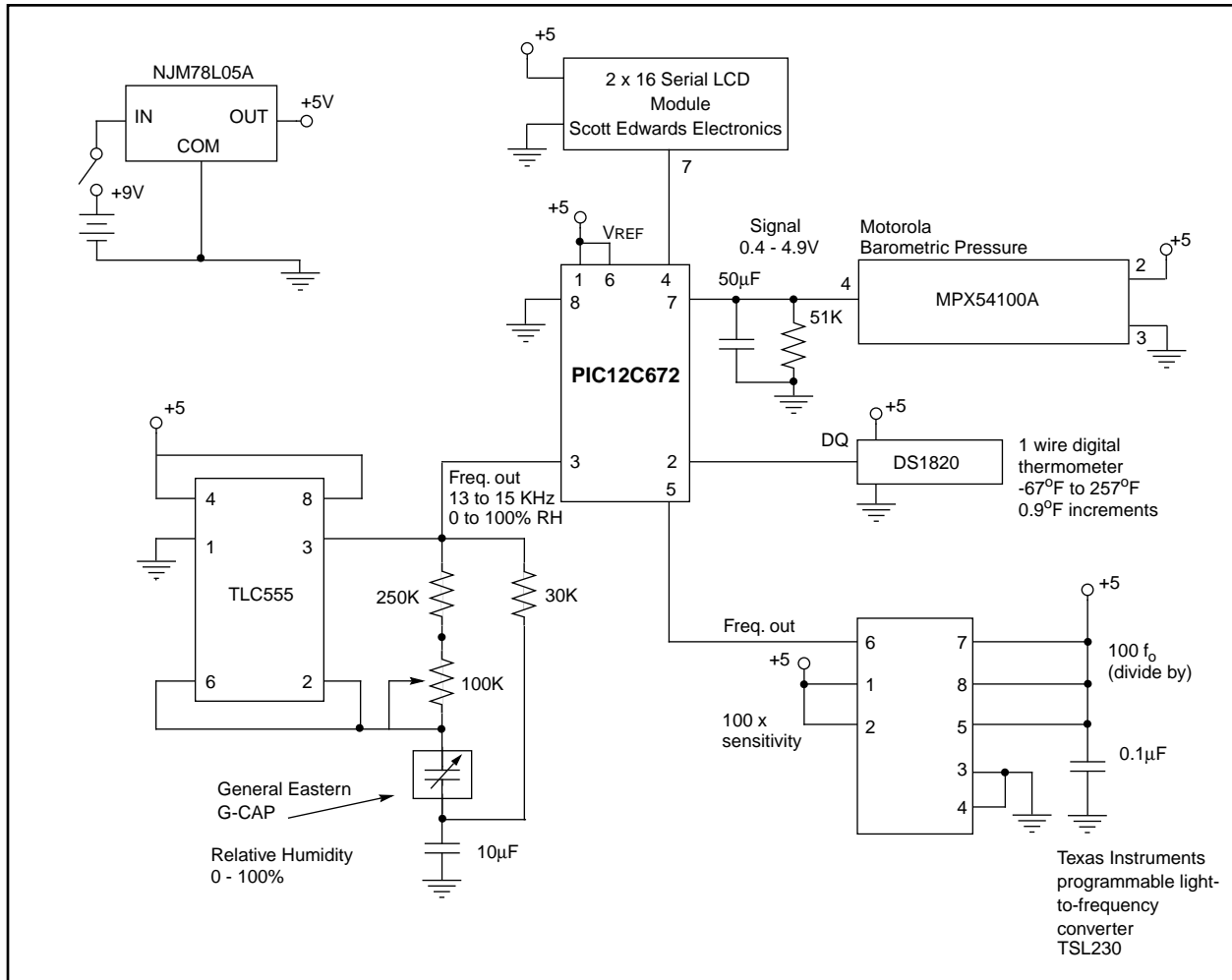
Block Diagram:



Flow Chart:



Graphical Hardware Representation:



Sensor Interface

NOTES: