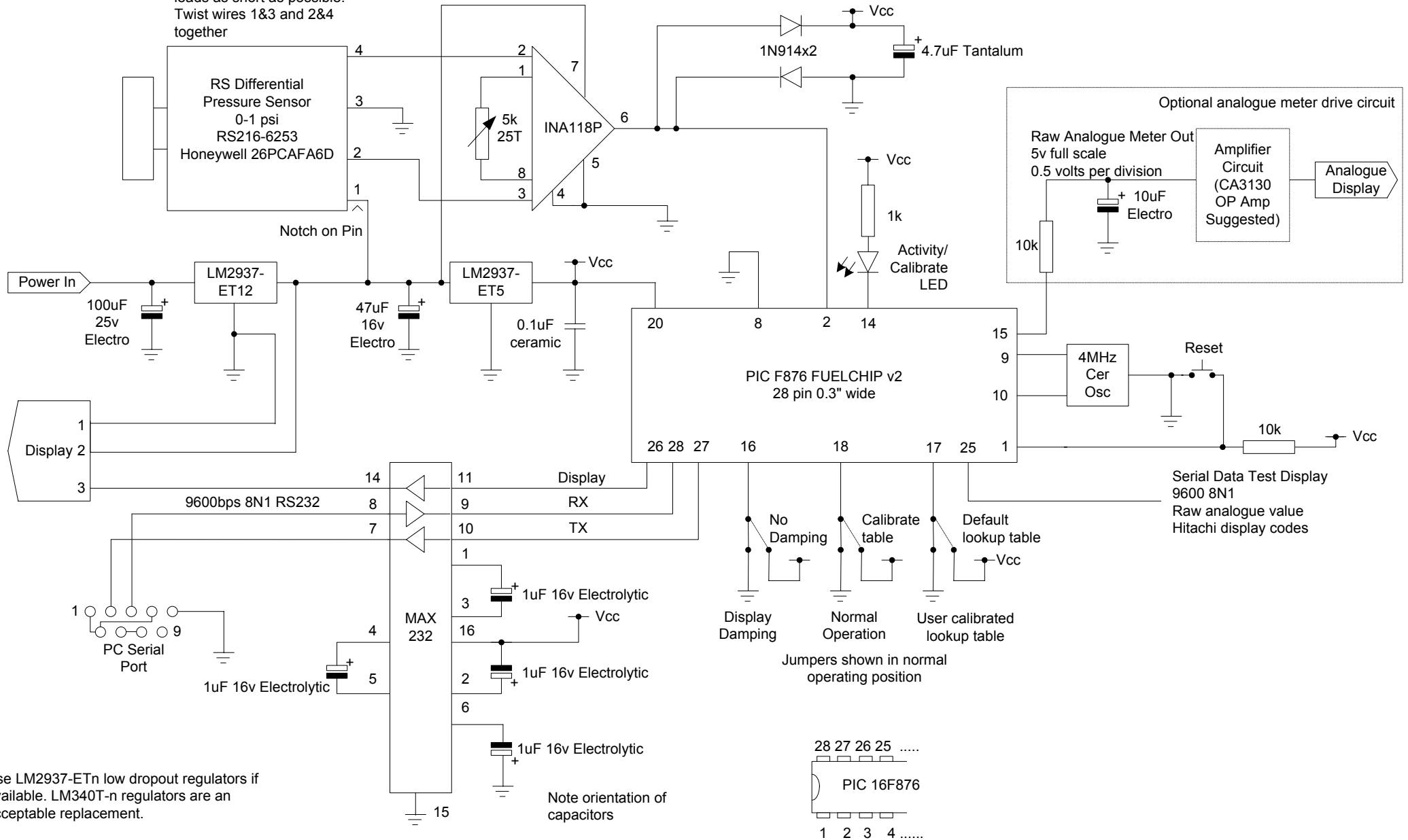


Europa Fuel Gauge

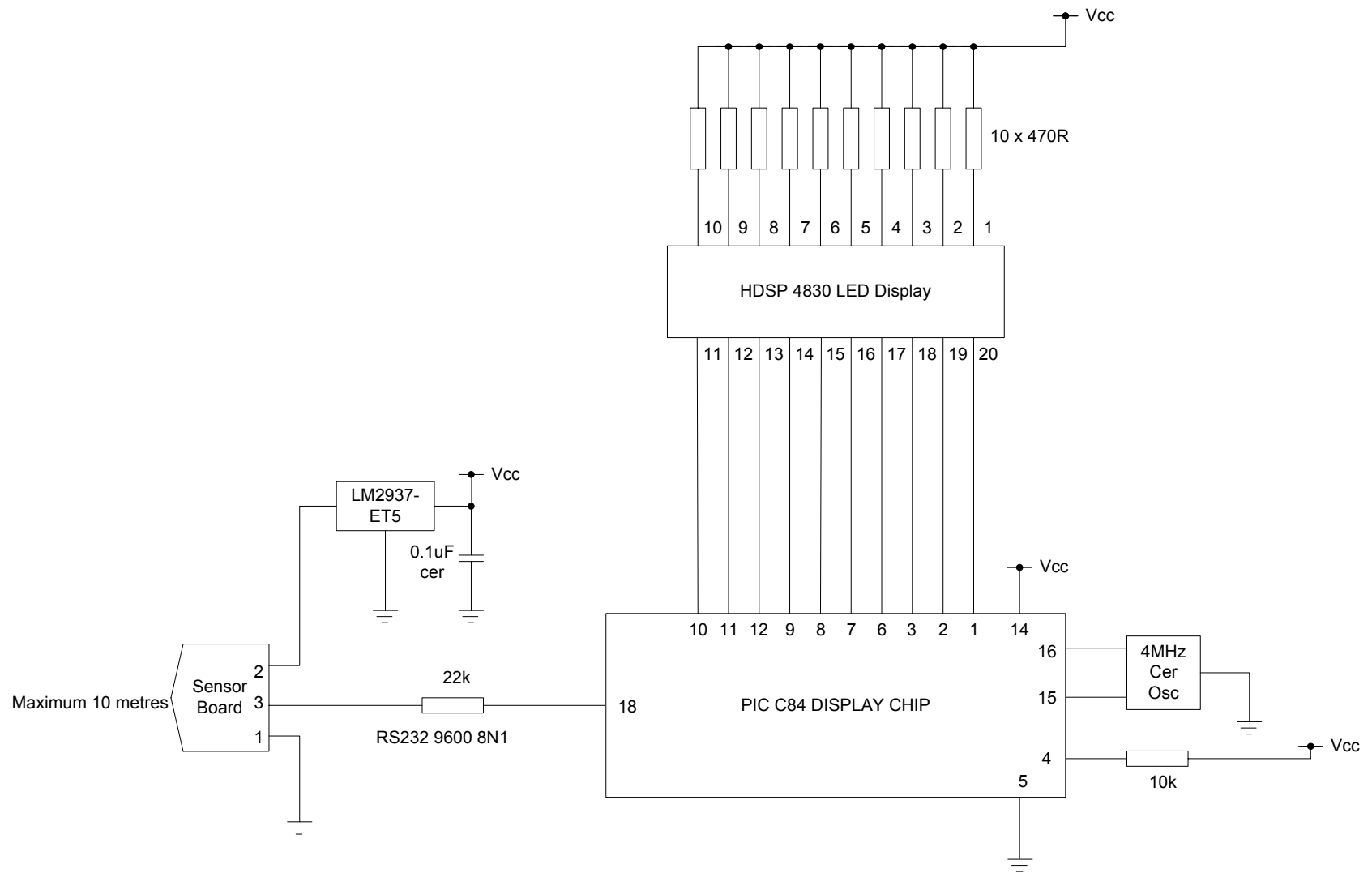
Sensor Board

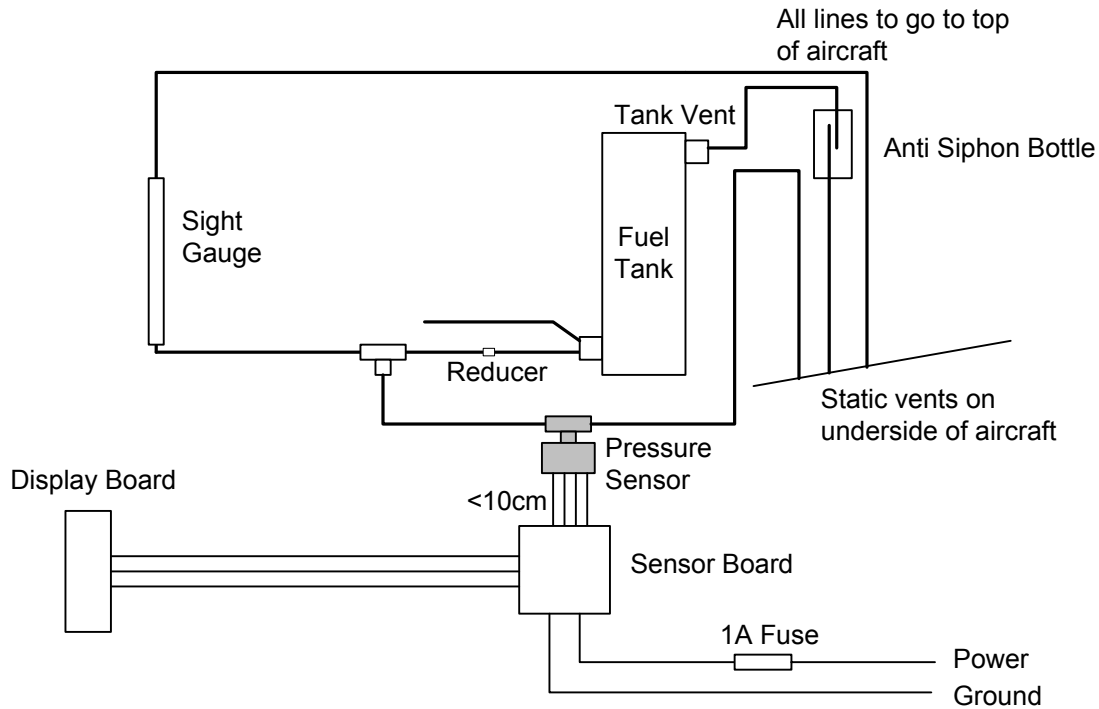
Keep pressure sensor leads as short as possible. Twist wires 1&3 and 2&4 together



Use LM2937-ETn low dropout regulators if available. LM340T-n regulators are an acceptable replacement.

Europa Fuel Gauge Display Board





Assemble circuit on a small piece of Vero board or prototyping board.

House the sensor board in a small plastic or metal box.

Assemble unit according to the circuit diagram

Connect a PC using Hyperterm for 9600bps, 8 bit, no parity, 1 stop bit, no flow control direct to com port.

In 'File/Properties/Settings/ASCII Setup' tick 'Append line feeds to incoming line ends'

Set switches on board to No damping, Normal Operation, Default Table

Connect board to com port and turn on.

The LED should flash once every half second after a short startup delay

A copyright message should display on the PC followed by a continuing display of numbers.

If this works then you probably have a good working unit.

Turn off, set switch to Calibration, turn the calibration trim pot to full left, then turn on

Follow the instructions on screen.

If the calibration routine does not give you the opportunity to trim the pot then power off, turn the trim pot to full right and start again.

If you abort the calibration routing you must restart the calibration routine from the start.

Once the unit is calibrated and your custom table loaded the power off, set the switches to damping on, custom table and normal.