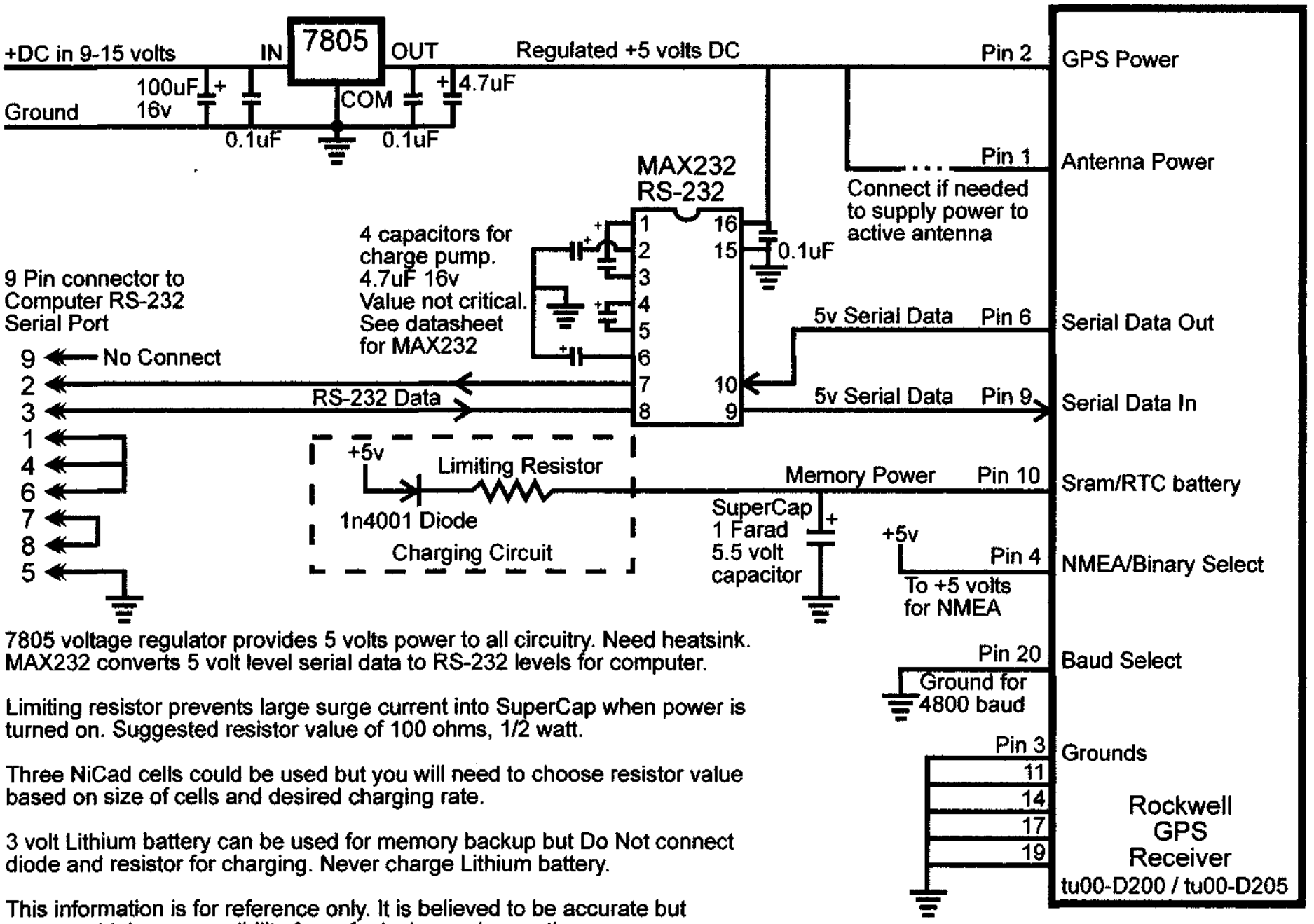

7805 voltage regulator provides 5 volts power to all circuitry. Need heatsink. MAX232 converts 5 volt level serial data to RS-232 levels for computer.

Limiting resistor prevents large surge current into SuperCap when power is turned on. Suggested resistor value of 100 ohms, 1/2 watt.

Three NiCad cells could be used but you will need to choose resistor value based on size of cells and desired charging rate.

3 volt Lithium battery can be used for memory backup but Do Not connect diode and resistor for charging. Never charge Lithium battery.

This information is for reference only. It is believed to be accurate but user must take responsibility for safe design and operation.