

# Retrievable Radiosonde

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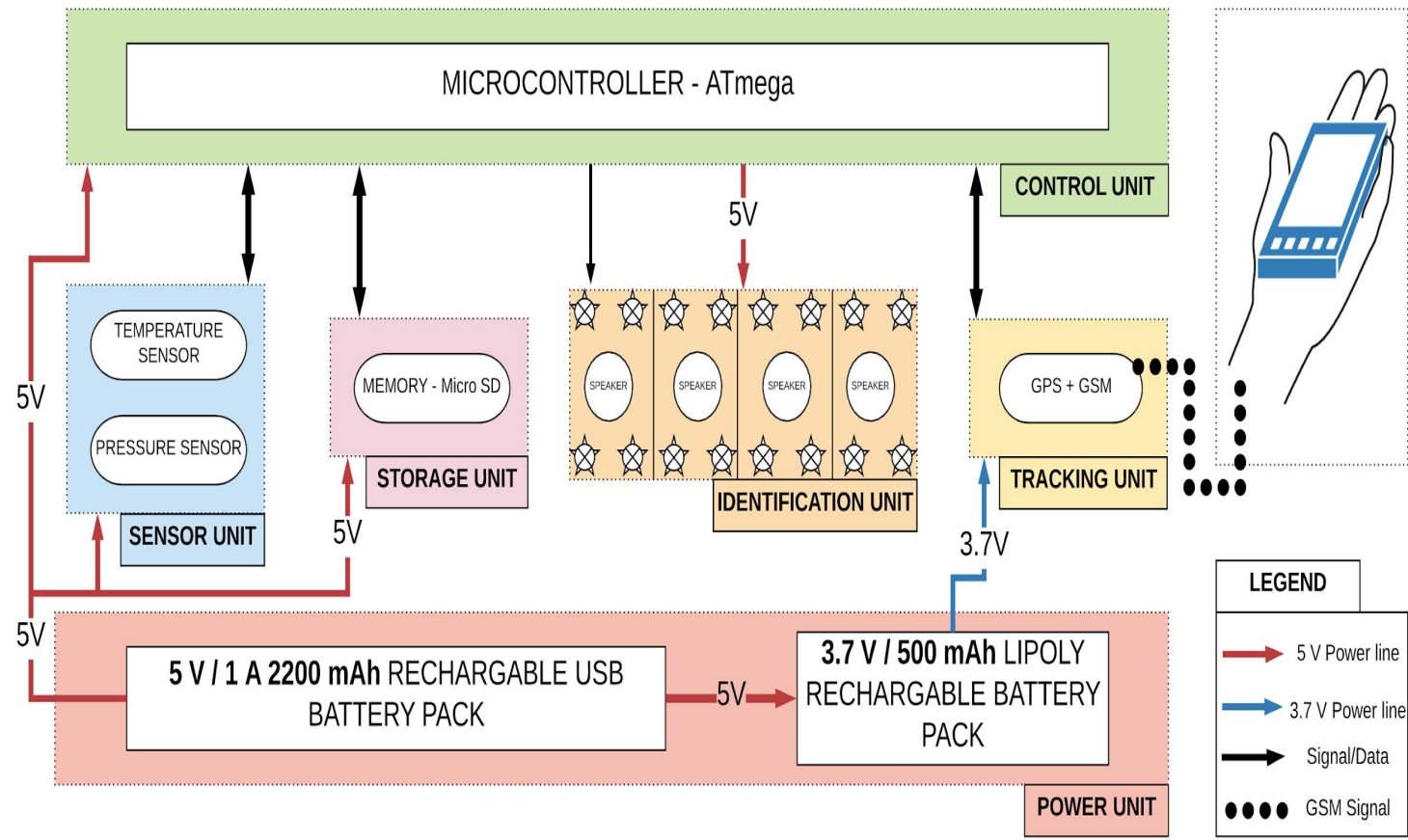
# High-level Requirements

(GPS - Tracking device) The radiosonde should feature a GPS tracking device that can provide GPS coordinates with an accuracy of  $15 \pm 2.5$  meters to locate the device.

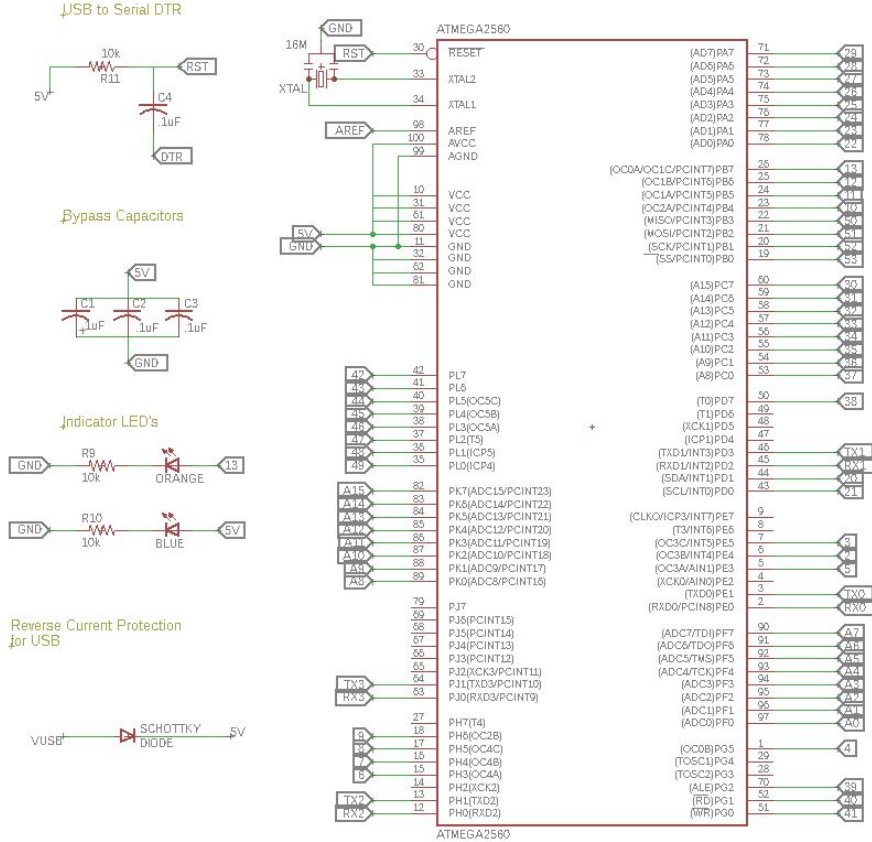
(Short-range locating unit) The radiosonde should feature additional tracking aids (audio and visual) that help narrow down the location of the device within the specified radial range of error which is  $15 \pm 2.5$  meters. These tracking aids must be triggered remotely.

The radiosonde should feature sensors that can measure data with a 15% accuracy, the sensors should measure data that radiosondes would typically be able to measure as an in-situ experiment instrument (such as pressure, temperature).

# Block Diagram



# Schematic



# Physical Design

