GPS NEO 6M

Features:
- Standalone GPS receiver
- U-blox NEO-6M GPS module
- Under 1 second time-to-first-fix for hot and aided starts
- SuperSense ® Indoor GPS: -162 dBm tracking sensitivity
- Anti-jamming technology
- Support SBAS (WAAS, EGNOS, MSAS, GAGAN)
- u-blox 6 50 channel positioning engine with over 2 million effective correlators
- Temperature
- Humidity
- 3mm hole diameter
- Under 0.8g shock
- 12g Weight
- UART TTL socket
- EEprom to store settings
- Rechargeable battery for Backup
- Build in 18X18mm GPS antenna
- RoHS compliant

SD Card Breakout

This breakout board allows you to break out the SD/MMC socket to a standard 0.1" 10-pin header.

Pressure Sensor

This is a breakout board for the Bosch BMP180 high precision, low power digital sensor. The BMP180 offers a pressure measuring range of 300 to 1100 hPa with an accuracy claim of 0.5% full scale resolution. It is based on piezo-resistive technology for high accuracy, ruggedness and long term stability. These sensors feature calibrated, with the calibration coefficients already stored in it's ROM. This makes the sensor great in that it is nearly identical to its former rev, the BMP085! This breakout board provides every pin on this tiny 0.1" pitch sensor (VCC to VCC, VSS to VSS, GND to GND) and is fully calibrated. The analog and digital outputs (VCC and VSS) are tied to an internal regulated 3.3V supply. The analog pin (ground) is connected to 3.3V and 0V on the Arduino, but are independent of the power supply.

Arduino Pro Mini 328 - 5V/16MHz

Dimensions: 0.7x1.3" (18x33mm)

Features:
- ATmega328 running at 16MHz with external resonator (0.5% tolerance)
- 0.8mm Thin PCB
- USB connection off board
- Supports auto-reset
- 5V regulator
- Max 150mA output
- Over current protected
- Weighs less than 2 grams!
- DC input 5V up to 12V
- On board Power and Status LEDs
- Analog Pins: 8
- Digital I/Os: 14

SD Card Breakout
<table>
<thead>
<tr>
<th>Component</th>
<th>Source</th>
<th>Energy consumption (Ah)</th>
<th>Energy Units</th>
<th>Price ($)</th>
<th>Component power draw (W)</th>
<th>Weight (g)</th>
<th>Dimensions</th>
<th>Volume</th>
<th>Total Energy (Ah)</th>
<th>Total Weight (g)</th>
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<td><a href="https://www.sparkfun.com/products/11113">https://www.sparkfun.com/products/11113</a></td>
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</table>
Payload Recovery Parachutes are made of Low-porosity 1.1 Rip-stop Nylon.

- Adjustable descent (pat#5472394)
- Quick, soft, reliable deployment
- No shock cord required
- Reinforced with nylon webbing
- Tubular shroud lines sewn over the top of the canopy
- Positive controlled deployment
- 4 shroud lines reduce chances of tangling
- More stable than cross-form or conical chutes
- Professionally designed at a fair price
- Made in the USA

The schools will have a 3ft parachute