**Icarus ONE**

SPI Rerouting

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| **SD Shield (Uno Compatible)** | **SPI Pin** | **Arduino Mega** |
| 10 | SS | 53 |
| 11 | MOSI | 51 |
| 12 | MISO | 50 |
| 13 | SCK | 52 |

GPRS Shield Software Power Pin Rerouting

|  |  |
| --- | --- |
| **GPRS Sheild** | **Arduino Mega** |
| 9 | 22 |

Sensors

|  |  |
| --- | --- |
| **Internal** | **External** |
| Adafruit 11 DOF | MQ Gas Sensors |
| Adafruit GPS Breakout | DHT22 |
| DS18B20 | Light |

Cameras

|  |  |
| --- | --- |
| Logitech ???? | Up-facing |
| Logitech C615 | Down-facing |
| PiCam V2 | Out-facing |

Antennae

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| --- | --- |
| GPS | Up-facing |
| GPRS | Up-facing |
| RTTY | Down-facing |

Tutorials Used

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Custom Boards

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| 12V Voltage Regulator |  |
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