

[illegible]

ESP12-F, Sensor Connectors



Power Supply

The diagram illustrates a power supply circuit. It begins with a +24V input (VIN) connected to the VIN pin of an LM2596S-ADJ (U4) converter. The converter's GND pin is connected to ground. The output (OUT) of U4 is connected to a 330mH inductor (L1) and a 220uF capacitor (C5). The output of L1 is connected to the input of a 5V regulator (AMS1117-3.3, U5). The 5V regulator's GND pin is connected to ground. The output of U5 is connected to a 3.3V output. The circuit also includes a 1k2 resistor (R3) connected to the FB pin of U4, a 1k resistor (R5) connected to the VBUS pin, and a 10k resistor (R6) connected to the 5V pin of U5. Diodes D1, D2, Q3, and Q4 are also shown.

