



The diagram illustrates a DC-DC converter circuit. Key components and their values are as follows:

- Input Section:** 9V input, Protection Diode (D\_Zener\_18V, D101), Input Capacitors (C\_0.1uF, C\_4.7uF), Input Resistor (R101, R\_499).
- Control Section:** U101 (TPS560430YF), EN pin connected to GND, FB pin connected to a Feedback Divider (R102, R103).
- Power Stage:** Bootstrap Capacitor (C\_0.1uF, C103), Inductor (L101, L\_15uH).
- Output Section:** Output Capacitors (COUT101, COUT102, COUT103), Output Resistor (R104, R\_0.2512), VCC Jumper, 3.3V output, 5V Indicator (D103, LED\_0805).

Diagram showing the wiring for the J1 header:

- Pin 1: MISO
- Pin 3: SCK
- Pin 5: RESET
- Pin 2: VCC
- Pin 4: MOSI
- Pin 6: GND

The diagram also indicates the connection to the CONN\_02X03 header.

[illegible]

The circuit diagram shows the electrical connections for the INA260 module. A 9V battery is connected to the IN+ pin (pin 1) and the VS pin (pin 10). A 0.1µF capacitor (C3) is connected between the 9V supply and ground. The IN- pin (pin 14) is connected to ground. The ALERT pin (pin 7) is connected to a 10K resistor (R8) which is then connected to the 9V supply. The SCL pin (pin 9) is connected to a 10K resistor (R9) which is then connected to the 9V supply. The SDA pin (pin 8) is connected to a 10K resistor (R10) which is then connected to the 9V supply. The module is labeled U3 INA260. The photograph shows the physical module with the Texas Instruments logo and the text 'U3 INA260' on the top.

Id: 1/1