

The circuit diagram shows a 5V input connected to a diode (D502) in series with a resistor (R511, 10k). The output of the diode is connected to the Vin pin of a voltage divider (U501, MCP1754/3.3V). The voltage divider also has a feedback pin (Vout) connected to its output. The output of the voltage divider is connected to a 3V3 output. A diode (D505) is connected in parallel with the output, and a resistor (R515, 2.2k) is connected between the output and ground. The voltage divider has pins for SHDN, PWRGID, NC, and EP, all of which are connected to ground.