

The three circuit diagrams show the following components and connections:

- AUX-BAT-VOLTAGE:** A 3V3 supply is connected to a 4k7 resistor (R4). The other end of R4 is connected to a 1k resistor (R7) and the cathode of a diode D3 (BZX84C3V3). The anode of D3 is connected to ground. The output is labeled AUX-BAT-VOLTAGE-DIV.
- PUMP-PORT:** A 3V3 supply is connected to a 4k7 resistor (R5). The other end of R5 is connected to a 1k resistor (R8) and the cathode of a diode D4 (BZX84C3V3). The anode of D4 is connected to ground. The output is labeled PUMP-PORT-DIV.
- PUMP-STARBOARD:** A 3V3 supply is connected to a 4k7 resistor (R6). The other end of R6 is connected to a 1k resistor (R9) and the cathode of a diode D5 (BZX84C3V3). The anode of D5 is connected to ground. The output is labeled PUMP-STARBOARD-DIV.

PERIPHERALS

