



The diagram shows a two-stage op-amp circuit. The first stage, U2 (OP07), is a differential amplifier. Its non-inverting input (+) is connected to a +12V supply through a 6.67K resistor (R1). Its inverting input (-) is connected to a pressure sensor (J2) through a 20K resistor (R2). The sensor's other terminal is connected to GND through a 120K resistor (R3). The output of U2 is connected to the non-inverting input of the second stage, U5 (OP07). U5 is configured as a buffer, with its inverting input (-) connected to its output through a 10K resistor (R4). The output of U5 is connected to a +12V supply through a 5K resistor (R5) and to the final output terminal AN1 through a 5K resistor (R6).

[illegible]

The diagram shows the MAX232 IC (U7) with its internal components and external connections. The VCC pin (4) is connected to +5V, and the GND pin (5) is connected to ground. Two capacitors, C10 (1uF) and C11 (1uF), are connected to pins 1 and 3, and pins 4 and 5 respectively. The IC has two RS232 ports: TX (pins 11, 10, 12, 9) and RX (pins 14, 7, 13, 8). The TX port has two inverters (T1IN, T1OUT) and two buffers (R1IN, R1OUT). The RX port has two buffers (R2IN, R2OUT) and two inverters (T2IN, T2OUT). The IC is labeled 'MAX232' and 'U7'.

DB9\_Female\_MountingHoles

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