

The schematic diagram illustrates the bottom layer of the PCB, featuring the following components and connections:

- SPO2 Sensor (RED_LED):** Labeled "BOTTOM D1", it includes a red LED (D1) and a photodiode (TX2) connected to TX_SUP.
- PPG Sensor (NJL5310R):** Labeled "BOTTOM U26", it consists of two green LEDs (L1C, L2C) and a photodiode (TX1) connected to TX_SUP.
- PD Choke Coil:** A coil (L1) used for impedance matching, connected between the PPG sensor and the AFE4404Y2P IC.
- AFE4404Y2P IC:** The main IC, with pins connected to TX_SUP, RX_SUP, IO_SUP, BI, INP, NM, TX1, TX2, TX3, CLK, D1, D2, D3, and GND.
- Resistors:** R1 (10k) for RX_SUP, R2 (499k) for GND, and R3 (10k) for D1.
- Capacitors:** C1 (100nF) for D1, C2 (100nF) for CLK, and C5 (100nF) for D1.
- Other Components:** A 10ms delay for reset is indicated near the D1 pin.

