

# Section 1

The schematic diagram illustrates the power supply section for a microcontroller. It features two Si7617DN-T1-GE3 voltage regulators, Q1 and Q2. The input to Q1 is ADAPTER+, which is filtered by capacitor C5 and resistor R20. The output of Q1 is connected to a network of resistors (R14, R15, R17) and capacitors (C6, C7, C8, C9, C11, C12) to provide VCC, ACP, ACN, and SYSTEM power rails. The output of Q2 is connected to the SYSTEM power rail. The diagram also shows connections to PE (Power Earth) and GND.

