

3.5 Power Supply Block

7.2 VDC is supplied to the transceiver through battery terminal. This voltage is applied to various circuits in the transceiver after passing through power switch RA10. Refer to Figure 3-8.

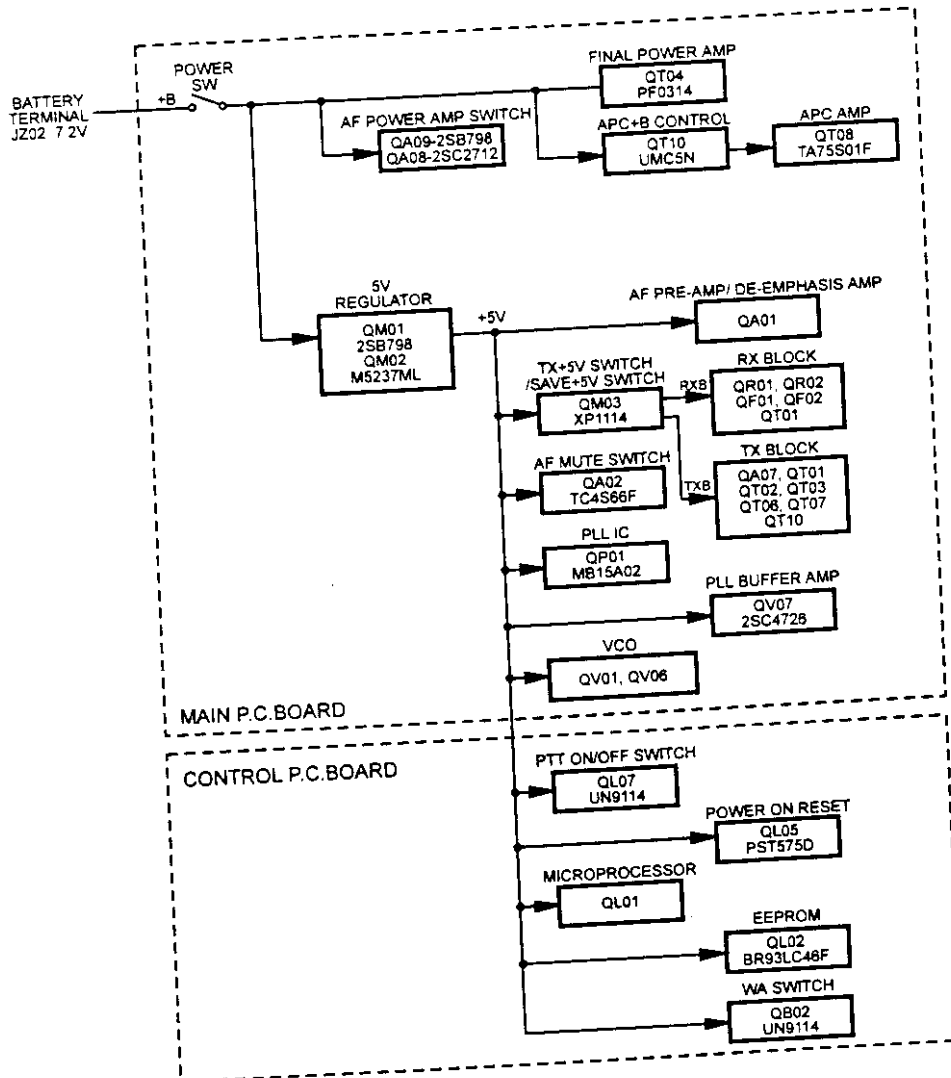


Figure 3-8

3.5.1 +B Power Supply

Once the 7.2 VDC has passed through power switch RA10, it is supplied to APC amplifier switch QT10, final amplifier QT04, and the 5 V regulator consisting of QM01 and QM02.

3.5.2 5V Regulator

QM01 and QM02 supply the +5 V to operate pre-amplifier/de-emphasis amplifier QA01, WA switch QB02, microprocessor QL01, reset IC QL05, EEPROM QL02, PTT on/off switch QL07, RX/TX switch QM03, AF mute switch QA02. QM01 and QM02 also supply +5 V to PLL IC QL01, VCO QV06, and buffer amplifiers QV07.