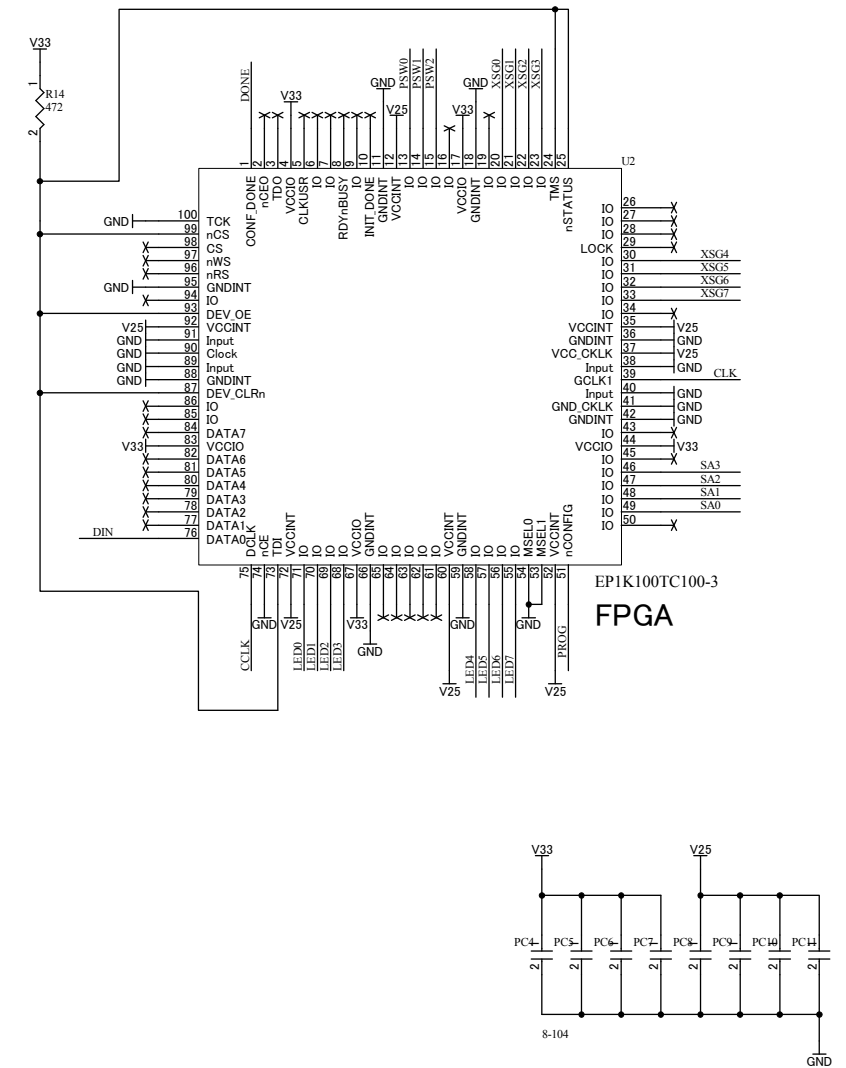
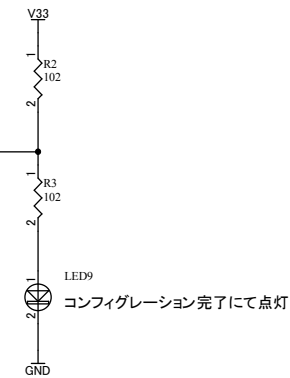


The schematic diagram illustrates the electrical connections for the FT245BM module. Key components and their connections include:

- FT245BM IC:** The central component, with pins for 3V3OUT, USBDM, USBDP, RSTOUT#, XTIN, XTOUT, RESET#, EECs, EESK, EEDATA, TEST, SI/WU, PWREN#, RD#, WR, TXF#, and RXF#.
- AT93C46 EEPROM (U14):** Connected to the module's control lines (CS, SK, DIN, DOUT) and power (V50, GND).
- Passive Components:** Various resistors (R1-R12, R4, R5, R6, R7, R8, R9, R10, R12) and capacitors (C1-C9, C5, C6, C7, C8, C9) are used for timing, filtering, and signal conditioning.
- Connectors:** CN1 (USB), RA1 (Serial), and V50 (Power) are shown with their respective pin connections.
- Crystal (Y1):** A 6MHz crystal connected to the XTIN and XTOUT pins.
- Reset Circuit:** Includes a reset button (PS1) and a pull-up resistor (R8) connected to the RSTOUT# pin.
- Signal Lines:** D0-D7, D15-D18, and D20-D23 are shown with their respective connections to the module's data bus.



The diagram shows three switches, SW1, SW2, and SW3, each with three terminals labeled 1, 2, and 3. Terminal 1 of each switch is connected to a common ground line labeled 'GND'. Terminal 2 of SW1 is connected to PSW0. Terminal 2 of SW2 is connected to PSW1. Terminal 2 of SW3 is connected to PSW2. Terminal 3 of each switch is connected to a common line labeled 'X'. This line 'X' is connected to a power source labeled 'V33' with a voltage of 4.472. The power source is represented by a symbol with three terminals labeled 1, 2, and 3, and a label 'RA3' next to it.

[illegible][illegible]