POWER (DC7.5V/1A)

USB (From PC)

MCU C8051F430

Motor Driver LB1836

ISP (For programing MCU code)

Printer and Keyboard Connector

Lable Printer TP215

Keyboard (ON/Sleep and Feed)

LED (indicate the status)

1) There are 2 PCBs in the printer, one is main board, another is connecter board.
2) Power: The circuit to support the working current and voltage for printer head and whole PCB.
3) USB: USB interface and receive the data from PC.
4) ISP: ISP Interface and program MCU code.
5) Motor Driver(LB1836): The circuit is for driveing the Motor of lable printer.
6) Keybord: There are two keys,one is ON/Sleep,another is Feed.
7) LED: Indicate the working status.
8) MCU(C8051F430): The MCU receive the data from PC via USB interface, then control the driver circuit to drive the printer head to print the detail which get from PC. Also the MCU drive LED to indicate the status of printer, and receive the key in and response for it.
9)Maximum operating frequency is 12MHz.