

The description of the circuitry for P2401

Circuitry function: FM transmitter + BT hand-free

Frequency of FM Transmitter: US 88.1-107.9MHz; EU 87.6-107.9MHz.

BT Frequency: 2.4GHz

Crystal: 26MHz for Main MCU and BT,

The circuitry were consist of the **U1,U2,U3,U4,U5,U6,U7,U8,J1** and

LCD1. which were detailed as below:

The MP4459 of the **U1** is a high frequency step-down switching regulator with an integrated, internal high-side, high voltage power MOSFET.

The TC1015-3.3 of the **U2** is a regulator for 3.3v,

The QN8006 of the **U3** is a FM transmitter,

The BC6140A02 of the **U4** is a Bluetooth V2.1+ EDR system,

The LPC1313 of the **U5** is the main MCU to P2401,

The MFI1341S2164 of the **U6** is APPLE'S certification,

The AF24BC32 of the **U7** is a EEPROM,

The NLAS4684 of the **U8** is a dual SPDT Analog switch,

The MFI512S0017 of the **J1** is the connector of the IPOD,

The GY1303C5FVW6Q of the **LCD1** is the display of the P2401.