

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.