

## Technical Description

The brief circuit description is listed as below:

- 1) U1 acts as Voltage Regulator (LC1206).
- 2) U2 acts as MCU (BT16P380).
- 3) U3 acts as charging unit (PE6065)
- 4) M1 acts as 2.4GHz RF transceiver module (BT16P380\_Module).
- 5) Y1 is 12MHz crystal oscillator providing clock for M1.
- 6) VR1 and VR2 act as motion driver.
- 7) J1 acts as Micro USB Socket.
- 8) P1 acts as Charging Plug.

**Antenna Type:** Internal antenna

**Antenna Gain:** 0dBi

**Nominal rated field strength:** 94.6dB $\mu$ V/m at 3m

**Maximum allowed field strength of production tolerance:** +/- 3dB