Part Number : WLM02
Subject : WLAN module

1. CPU, U3, 88W8385 operation frequency is external 40MHz Crystal clock CXO for reference requency; this crystal is also used for RF module.
   This chip is responsible to control RF- Baseband Transceiver (88W8385).
   The 88W8385 supports SDIO interfaces, supports 802.11e Quality of service(QoS)

2. EEPROM, U5, M95080-WDW6TP,1k*8bits EEPROM. It is used to store the normal and test firmware.

3. Integrated 2.4GHz ISM Band RF- Baseband Transceiver, U1, 88W8015 which is integrated all RF- Baseband receive and Transmit function. It is also integrated programmable frequency synthesizers with integrated VCOs, I/Q generation and CMOS up/down conversion mixers.

4. 88W8015 support 802.11b/g, WLAN chipset solutions.

5. Power part :There are several regulators are used on the board.U4,R1170H331B-3.3V,U12,R1170H281B-2.8V, U10,R1131N151D-1.5V for 8W8385+8W8015 chip LDO.

6. Chip Balun 50 ohm unbalanced,50 ohm balanced BA1,LDB212G4005C-001.Ferq range 2.4GHz $\pm$100MHz

7. Band -Pass Filters, BP2, LFB2H2G45SG7A159, Freq. Range: 2.4~2.5GHz; IL@BW: 2.1dB

8. GaAs IC SPDT Switch, U9, AS179-92LF, features low insertion loss and positive voltage operation with very low DC power consumption.