

RECEIVER CIRCUIT (WSA555)

The receiver circuit is a super regenerative receiver mode. The oscillator is composed of Q6 and surrounding component, D5 reacts to reduce temperature excursion. Q7, Q8, Q10 and Q12 work for signal amplification, Q9 and Q11 work for signal face lifting and input.

MCU (U1) processes the signal received from RF Module, and then is shown in the LCD display.

The temperature & humidity detecting circuit is composed of R1, R2, R3, R4, R15, R16 and C12, and Q5 and T1 make EL backlight driving circuit.

Q1, Q2, R5, R6, R7, R8, and R9 make up low voltage detect network, and transmit the detected signal to MCU (U1) to process.

RF POWER control circuit is composed of R11, R12, and Q4.

C10 and C9 is supply filter.

C1, C6, C7 and C8 work for step up circuit of LCD display.

MCU clock system consists of X1, X2, C2, C3, C4 and C5.

MCU connects to LCD display screen by rubber. All of the data that have been detected by MCU will be shown on the LCD display screen.