

N99J1WPLL4R Circuit Description

- Block 1 : The Button of this product.
When being pressed this remote starts to work.
(SW1,SW2,SW3,SW4)
- Block 2 : The Battery Supply the power of +DC6volts to the circuits.
- Block 3 : The Regulator supply the power of +DC3volts to the Micro-controller and VCO.
(U2, TC1)
- Block 4 : This is the Micro-controller
U1(Micro-controller) reads the button and make the radio transmission circuit work.
- Block 5 : This is the real time clock
(RES1 (4MHz)).
- Block 6 : This is the radio power control circuit(VCO) by U1.
- Block 7 : U1 can make the modulation by this block.
By switching(between 0V and 3V) at VCO the frequency modulation is done.
(R20,R21,C13,R15)
- Block 8 : This is the VCO basic oscillator.
(XT1(19.680MHz), C5,C6, VC1).
- Block 9 : This is the Voltage Control Oscillator circuit to radiate the radio frequency.
Oscillator 907.169545MHz by 19.680MHz and VCO.
(VCO1, X2, Q3)
- Block 10 : Beside 907.169545MHz will be removed by filter.
(L1, L2, C10, C9)