

LOYAL TECHNOLOGY CO LTD

T-INK-MP3 (RX) CIRCUIT DESCRIPTION

A) CIRCUIT CONTROL

U2 IS ELECTRONIC CONTROL ON/OFF IC. INPUT 1.5V X 3 BATTERIES, U2 WORKING. WHEN YOU CONTACT SW3, THE 9TH LEG OF U2 WILL OUTPUT VOLTAGE TO CONTROL Q5 AND Q6 WORKING. Q6 OUTPUT VOLTAGE TO RF.IF.AUDIO. WHEN YOU CONTACT SW2, THE 1ST AND 8TH LEG OF U2 TO CONTROL Q3 AND Q4 AND REDUCE SOUND LEVEL. ONCE AGAIN CONTACT SW3 BUTTON, Q6 WILL NOT OUTPUT VOLTAGE TO RF.IF.AUDIO.

B) RECEIVING SIGNAL

WHEN ANTENNA RECEIVED SIGNAL FROM TRANSISTOR Q2 AND Q1, THEN VIBRATE, MIXED AND ENLARGE. FROM U1 CD2003 16TH LEG INPUT, AFTER ENLARGE, FROM 11TH LEG OUTPUT, THROUGH U3 6TH LEG INPUT AND ENLARGE, SPEAKER HAVE SOUND.