

## 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 9<sup>TH</sup> LEG OF U2 WILL OUTPUT VOLTAGE TO CONTROL Q5 AND Q6 WORKING. Q6 OUTPUT VOLTAGE TO RF.IF.AUDIO. WHEN YOU CONTACT SW2, THE 1<sup>ST</sup> AND 8<sup>TH</sup> 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 16<sup>TH</sup> LEG INPUT, AFTER ENLARGE, FROM 11<sup>TH</sup> LEG OUTPUT, THROUGH U3 6<sup>TH</sup> LEG INPUT AND ENLARGE, SPEAKER HAVE SOUND.