

FCC ID: RS6BT-4A-CK-CKS

Model:BT-4A

OPERATION THEORY

1. **Charging:**DC I/P from DC Jack through D3 to charge Battery and diode D2 will be ON.
2. **Switch:**Press SW1 to ON/OFF headset and paring,
Press SW2 & SW3 to volume down & up.
- 3.**Receiver:**The Antena receives the Audio signal from the cellphone process the signal and send it to MC145483 by the PINS of PCMCLK,PCMIN,PCMSYNC,&PCMOUT.
- 4.**Transmitter:**The MC145483 gets the signal from the MIC.And transfer it to digital by analog-to-digital converter.After this process send the signal to BLUTOOTH MODULE by PCMCLK,PCMIN,PCMSYNS,PCMOUT and transmit to cellphone via antena.

Model: BT-CK

OPERATION THEORY

1. **STEP DOWN:**U2 is a step down curcuit process the I/P voltage to 5V.
U1 is a voltage regulator the output Vcc is 8V.
2. **SIGNAL PROCESSOR:**U8 is a pre-Amplifier to process the Audio signal and the send it to U4(audio amplifier) to driver the speaker.
The volume is adjustable by VR1.