



A: Power supply for D and B

B: Power supply for OLED

C: Display of related information, controlled by D

D: Bluetooth master chip

E: A/D and D/A conversion circuit, also for speech processing,

F: Command input circuit

Take “answer” as an example to explain work process of various parts:

The user uses switch-on key of F to switch the headset on and put it in standby mode. When someone calls the mobile phone, master chip D of the headset receives control commands from the mobile phone through ANT and outputs the incoming call number to C. C displays it on OLED screen after having received it.

The user inputs “answer” command through F. After D has received the command, speech channel of the mobile phone is connected. On the one hand, D receives speech data of the incoming call and sends it to E. E converts it into speech signal through its D/A conversion circuit and the speech signal drives SP to produce sound. On the other hand, sound of the user is converted into speech data through MIC. The speech data is processed through D and transmitted through ANT. Caller’s mobile phone processes the signal and sends it to the caller after having received it.