

No.	name	remark	PCB board definition	Accessories definition
1	Earphone A	1、 earphone+single key; 2、 Include earphone break off pin		
2	Earphone B	1、 earphone+two keys for PTT/POC; 2、 Include earphone break off pin;		
3	Radio update cable  V02	UART port update cable		
4	earphone+USB CAM  V02	1、 Key for PTT/POC/power on/off key/video shooting and camera key/SOS; 2、 Break off pin for speaker microphone and OTG; 3、 Power supply DC-DC 5V@3A;		
5	Speaker microphone 2W +USB CAM  V02	1、 Key for PTT/POC/Power on/off key/video shooting and camera key/SOS; 2、 Break off pin for speaker microphone and OTG; 3、 Power supply DC-DC 5V@3A;		
6	Speaker microphone 2W	1、 Key for PTT/POC/SOS; 2、 Break off pin for speaker microphone; 3、 Power supply DC-DC 5V@3A;		
7	Bone conduction earphone	1、 Key for PTT/POC; 2、 Break off pin for bone		

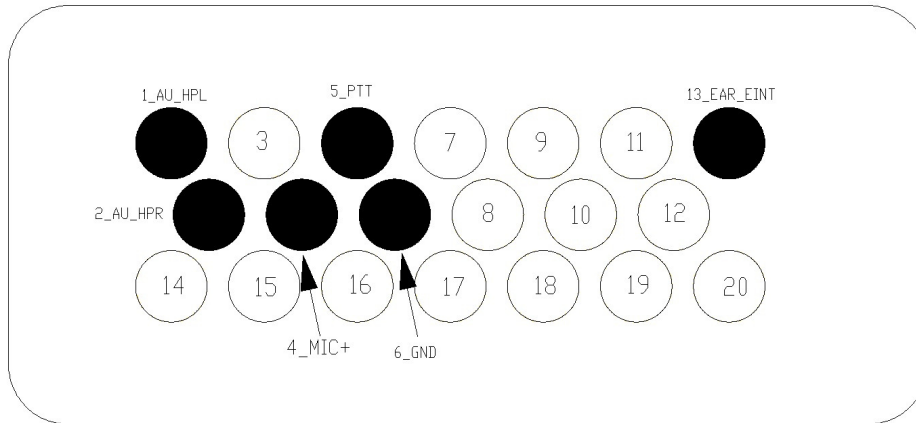
		conduction earphone; 3、 Power supply DC-DC 5V@3A;		
8	external accessories — <b>V02</b>	1、 Two-channel earphone, no key; 2、 UART (TTL 2V8) ; 3、 USB OTG device		

Phone side view:

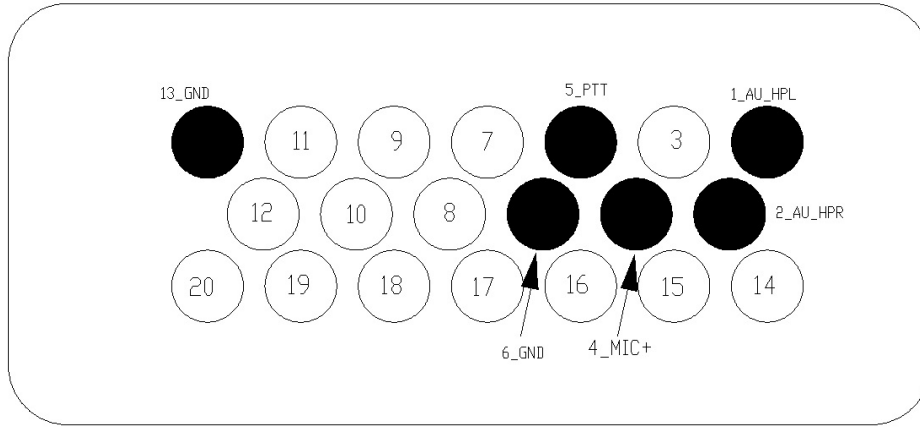


(1)earphone A\_single side single KEY

1、 PCB end definition:

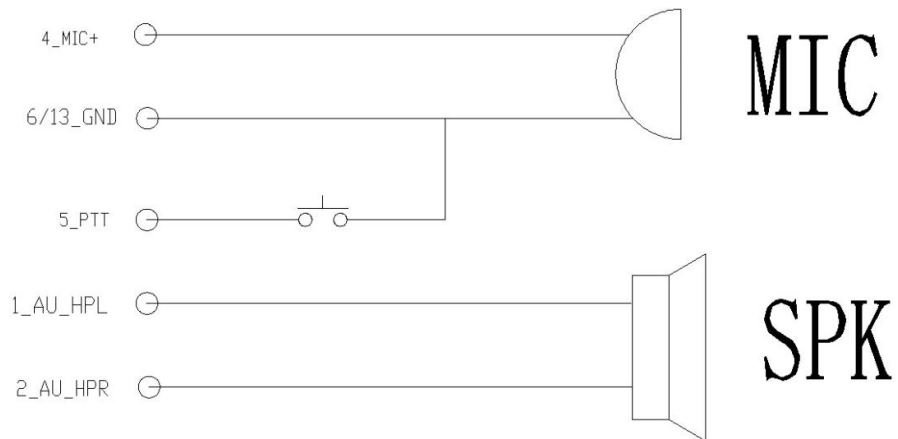


2、 Earphone end definition:



- ▲ 13\_GND: it is for earphone break off check, pull down 13\_EAR\_INT;
- ▲ 5\_PTT: it can be customized to PTT or POC key, 5 (GND/PTT/AU\_HPL/AU\_HPR/MIC+);
- ▲ 1\_AU\_HPL/2\_AU\_HPR, it can support single channel or two channel earphone
- ▲ Minimum number of wire cores required for attachment : 5 (GND/PTT/AU\_HPL/AU\_HPR/MIC+);

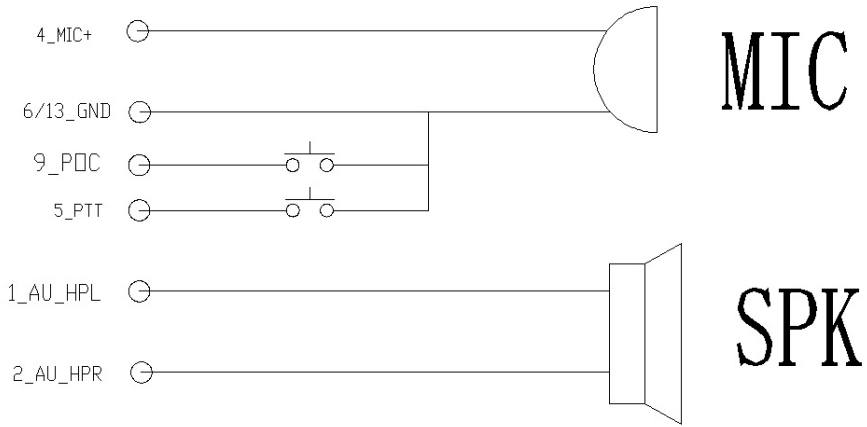
Schematic:



Earphone B\_single side,two KEY

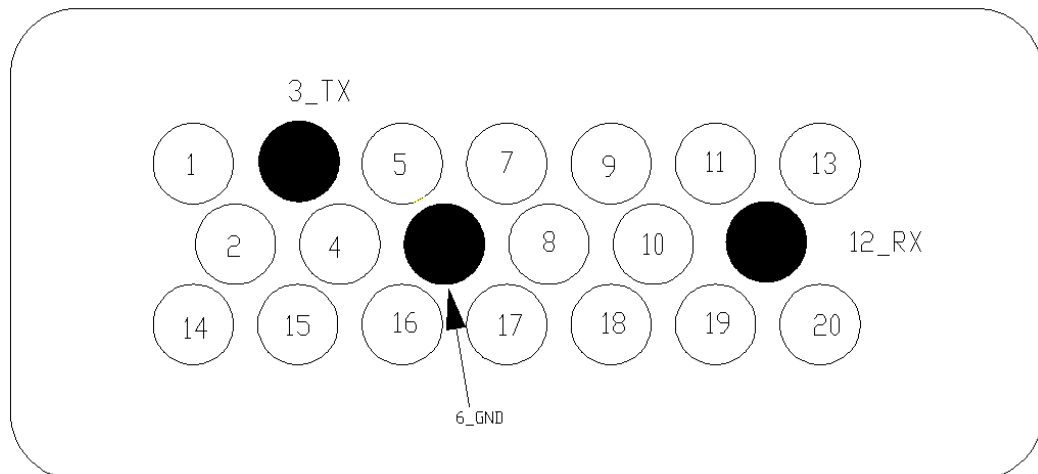
1、PCB end definition:



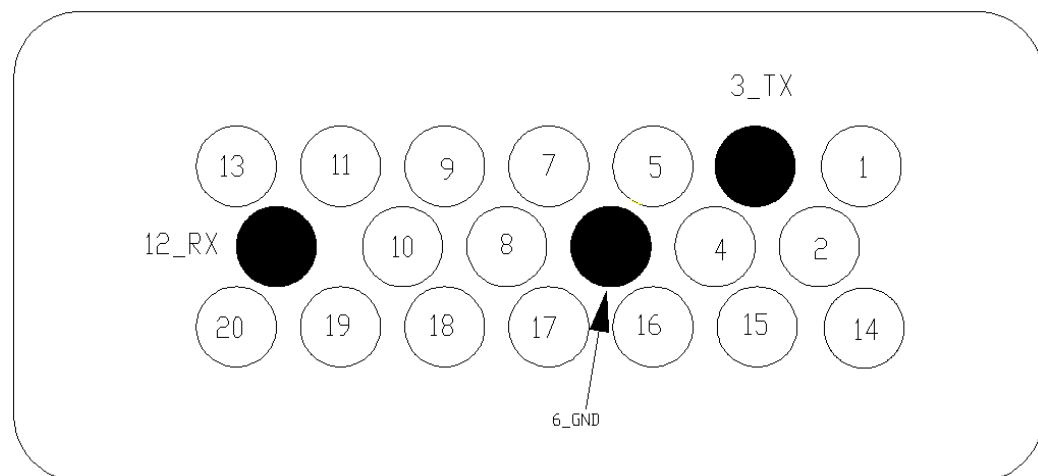


(2)PTT antenna

1、PCB end definition:



2、Update data cable definition:



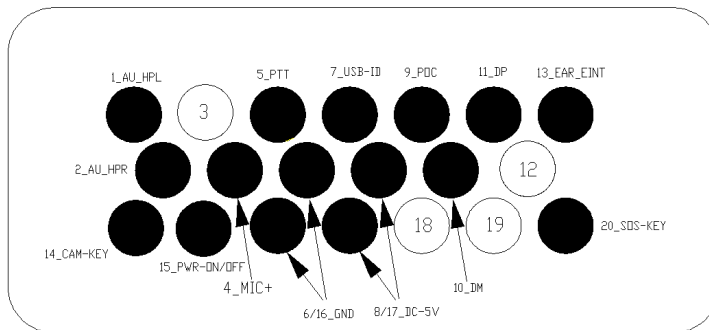
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▲ 12\_RX: main board end (radio side) UART\_RX, match with PC end TX;

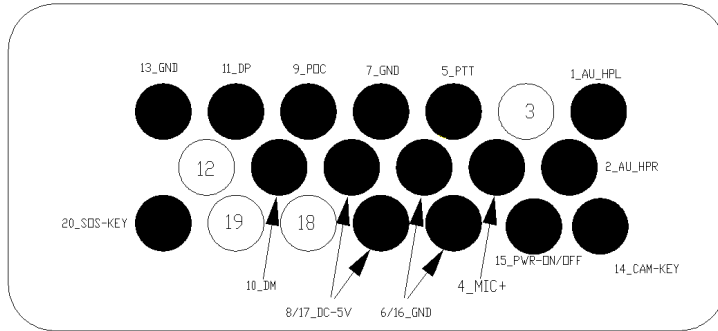
▲ 3\_TX: main board end (radio side) UART\_TX, match with PC end RX;

#### earphone+USB CAM

##### 1、PCB end definition:

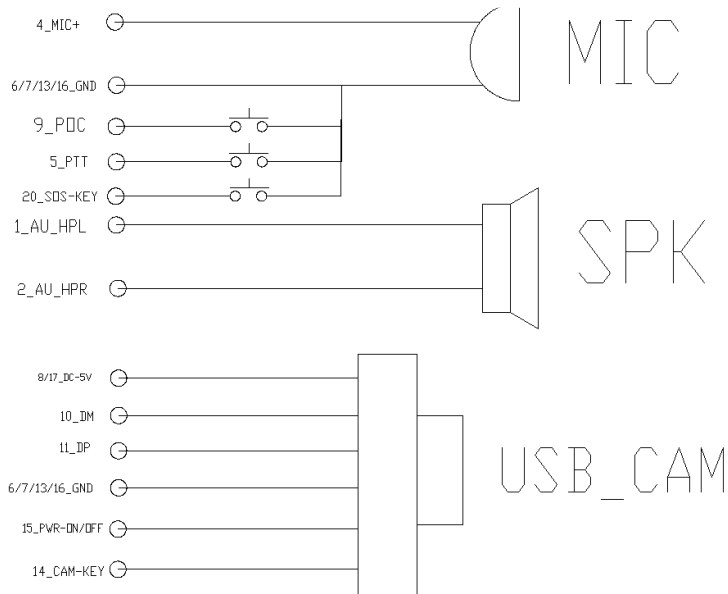


##### 2、Accessories definition:



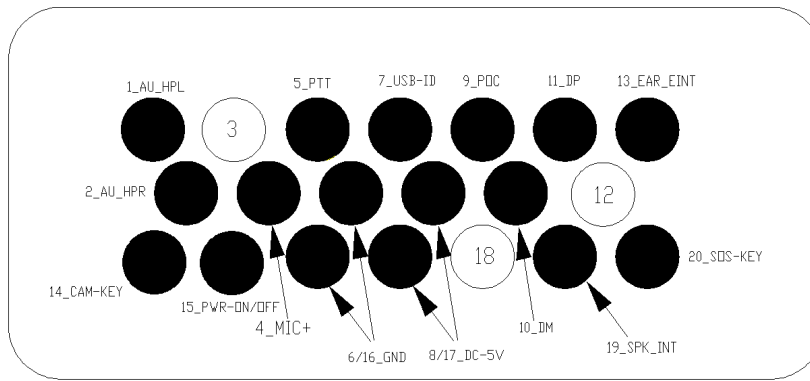
- ▲ 7\_GND: it is break off pin for touch off OTG, it is USB\_ID;
- ▲ 14\_CAM-KEY: is video shooting and camera;
- ▲ 15\_PWR-ON/OFF: switch on/off USB Camera ;
- ▲ 20\_SOS-KEY: back up for SOS key, it can be customized;
- ▲ 8/17\_DC-5V: No.8、17 are DC 5V power pin, power supply USB CAM;
- ▲ 6/16\_GND: power GND;
- ▲ Minimum number of wire cores required for attachment : 12  
(DP/POC/PTT/CAM-KEY/HPL/HPR/MIC/GND/5V/DM/PWR-ON/SOS)

Schematic:

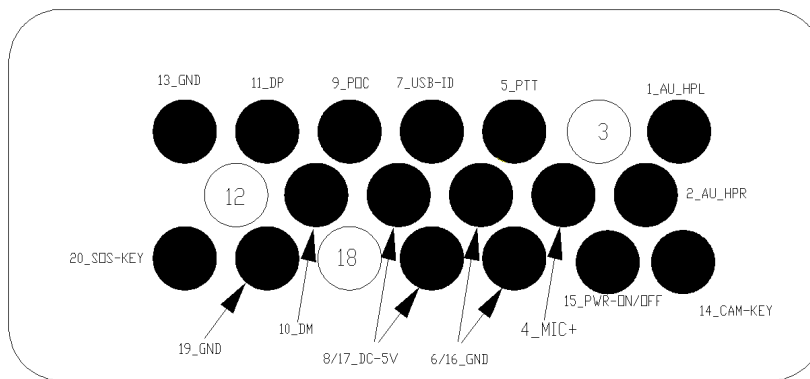


### Speaker microphone 2W+USB CAM

#### 1、PCB end definition:



2,accessories end definition:

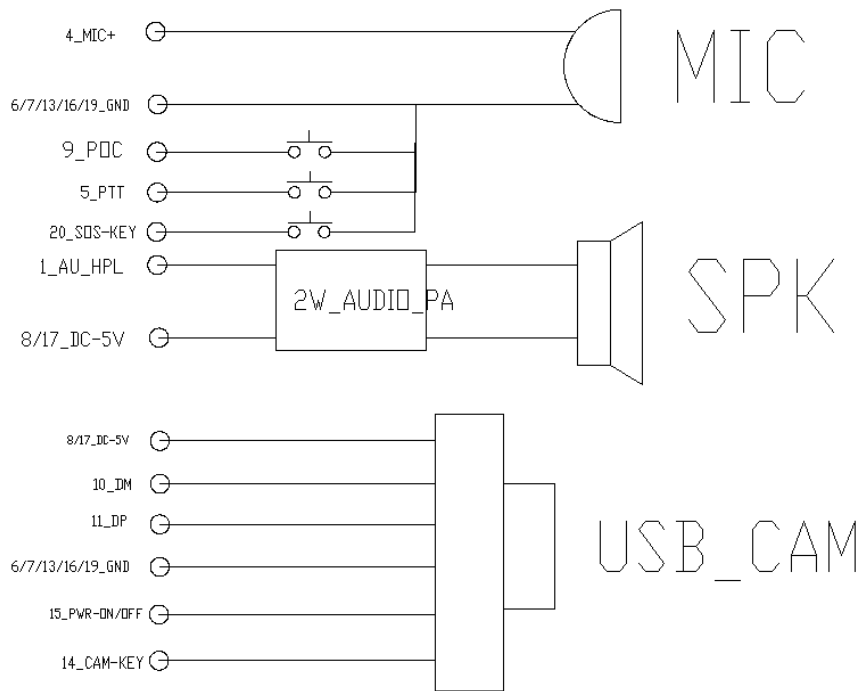


▲ 9\_GND: under “earphone+USB CAM” status, add one break off for speaker microphone;

▲ Minimum number of wire cores required for attachment : 11  
 (DP/POC/PTT/CAM-KEY/HPL/MIC/GND/5V/DM/PWR-ON/SOS)

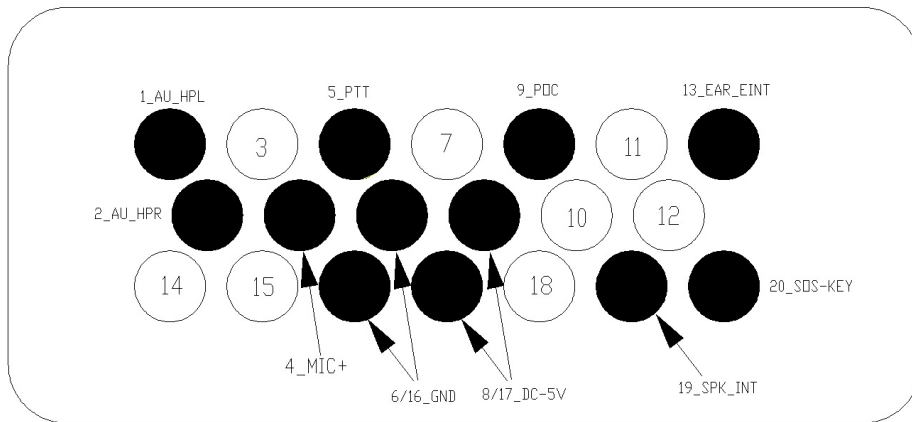
Schematic:



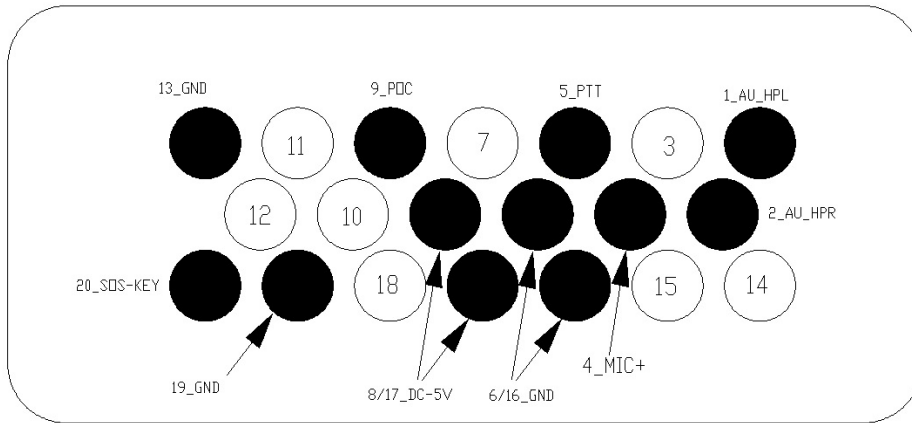


4:Speaker microphone 2W

1、PCB end definition:



2、Accessories definition:

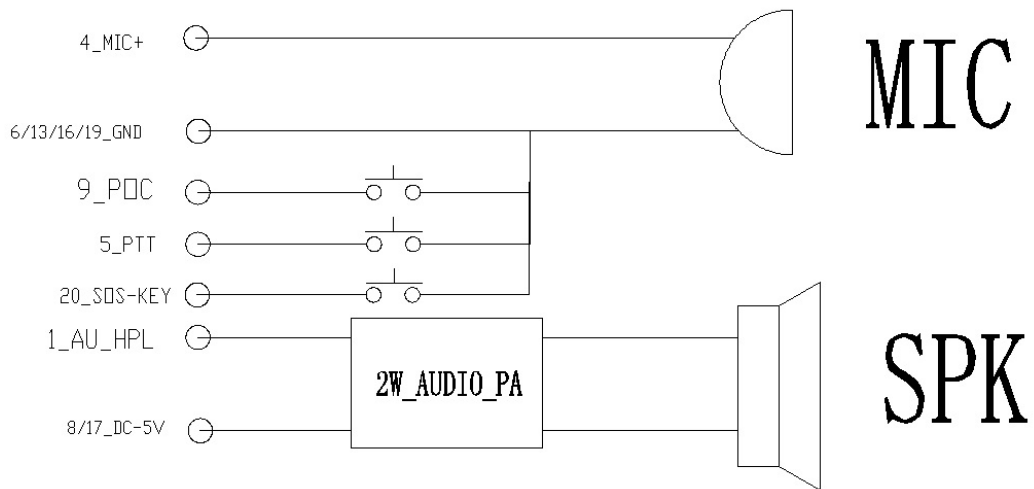


▲ Minimum number of wire cores required for attachment(single KEY) : 5  
(PTT/HPL/MIC/GND/5V)

▲ Minimum number of wire cores required for attachment(two KEY) : 6  
(PTT/POC/HPL/MIC/GND/5V)

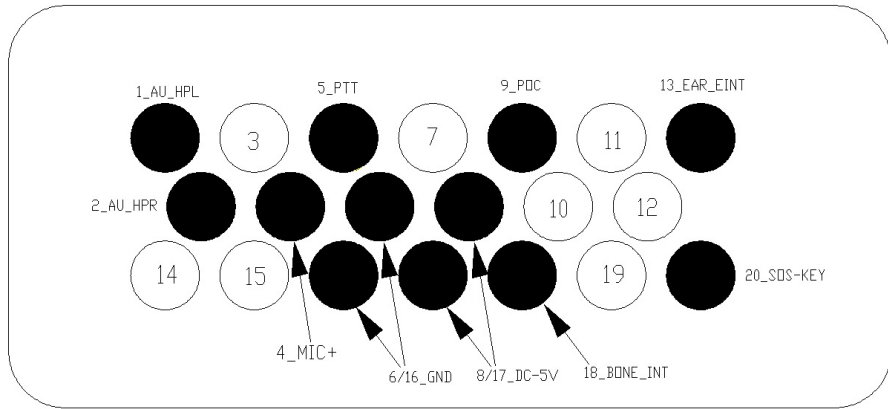
▲ Minimum number of wire cores required for attachment (three keys) : 7  
(PTT/POC/SOS-KEY/HPL/MIC/GND/5V)

Schematic:

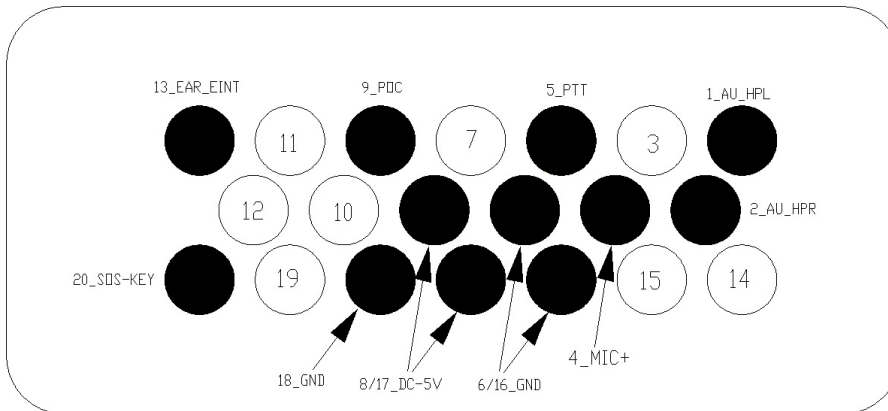


Bone conduction earphone

1、PCB end definition:



2、Accessories definition:



▲ 18\_GND: add one break off for bone conduction device, touch off 18\_BONE\_INT;

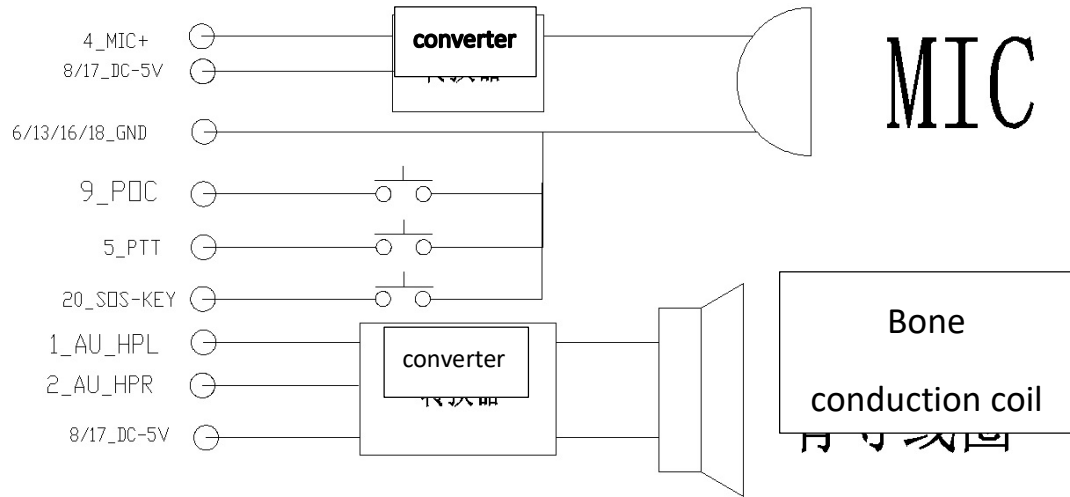
▲ Minimum number of wire cores required for attachment (single key, dual receiving) :

6 (PTT/HPL/HPR/MIC/GND/5V)

▲ Minimum number of wire cores required for attachment (dual key, dual receiving) :

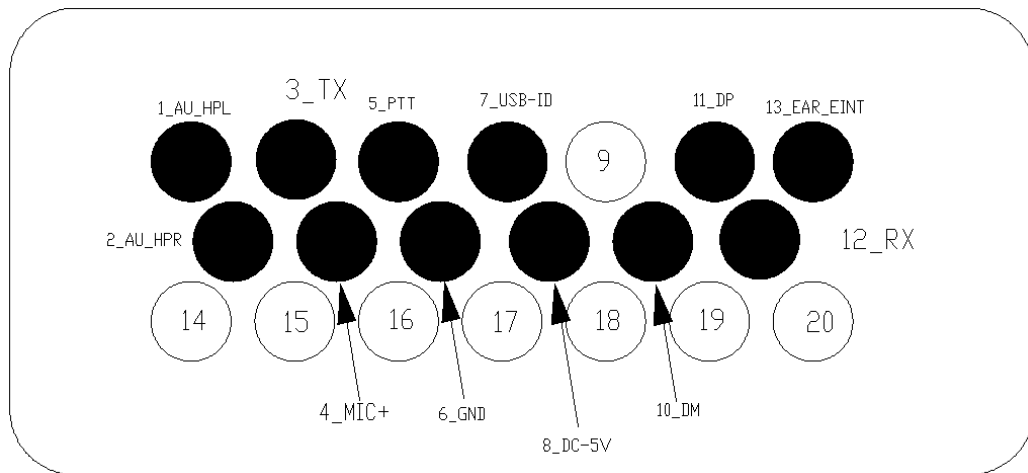
7 (PTT/POC/HPL/HPR/MIC/GND/5V)

Schematic:

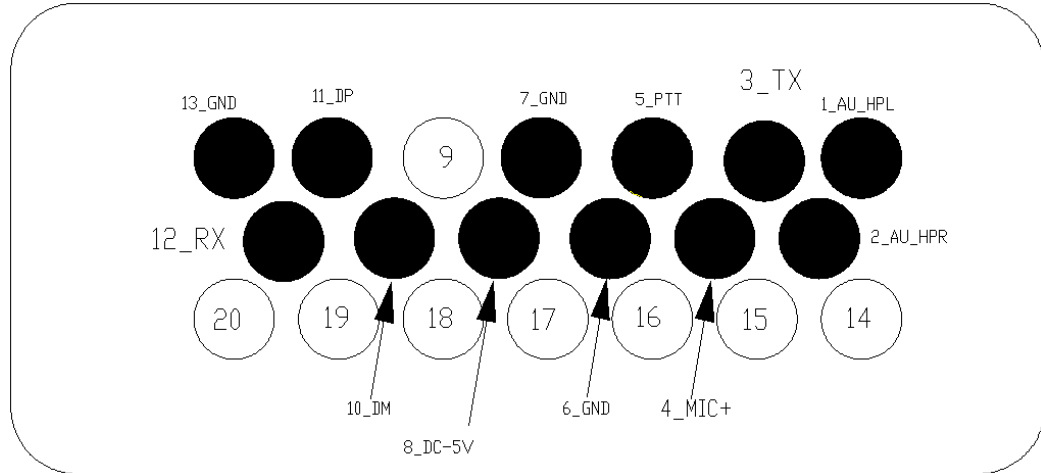


External accessories —

1、PCB end definition:



2、Accessories definition:



▲ it include two channels,earphone without key、UART port、USB OTG device;

▲ accessories end earphone two channel, without key option: pin1(left channel)、pin2(right channel)、pin4 (microphone)、pin6/pin13 (GND) ;

Main board, sub board end earphone two channel without key option:add pin13 as check pin;

▲ accessories end UART TTL (2V8) option: pin3(TX, match with PC end RX)、pin12 (RX, match with PC end TX)、pin6(GND);

▲ accessories end USB OTG device option: pin10(DM)、pin11/pin7 (DP)、pin6 (GND)、pin8(+5V);