HAC-TEST PCB
USAGE

I. Transmitter Application:

The test PCB of Transmitter is a transmitting first and receiving second module:

1. After power up or reset, the LED on PCB flashes once, meaning power supply is OK.
2. Transmitter transmits 80B (Byte) to the TxD , waiting the return data from RxD.
3. If received 80B and the check sum is valid, the LED on PCB flashes once. It means the receiving data is OK. So a successful test is over, the module will do next same test cycle.
4. If received no data or received data is not 80B or check sum is invalid, LED cannot flash. Test is failed this time. After delay about 3000ms, transmitter will transmit 80B again, enter next new test.

So if LED flashes disciplinary, the interval is about 1000~1500ms, means the data transmitting and receiving is both continually OK.

If LED does not flashes disciplinary, the interval is over 3000ms by chance, means the data transmitting or receiving is failed by chance.

If LED does not flashes, means the distance is too long, or something is error.

II. Receiver Application:

The test PCB of receiver is a receiving first and transmitting second module:

1. After power up or reset, the LED on PCB flashes once, meaning power supply is OK.
2. Waiting for receiving data from RxD.
3. If received 80B and the check sum is valid, The LED on PCB flashes once,it means the receiving data is OK. The module returns back 80B to TxD.

So if LED flashes disciplinary, the interval is about 1000~1500ms, means the data receiving is continually OK.

If LED does not flashes disciplinary, the interval is over 3000ms by chance, means the data transmitting or receiving is failed by chance.

If LED does not flash, means the distance is too long, or something is error.

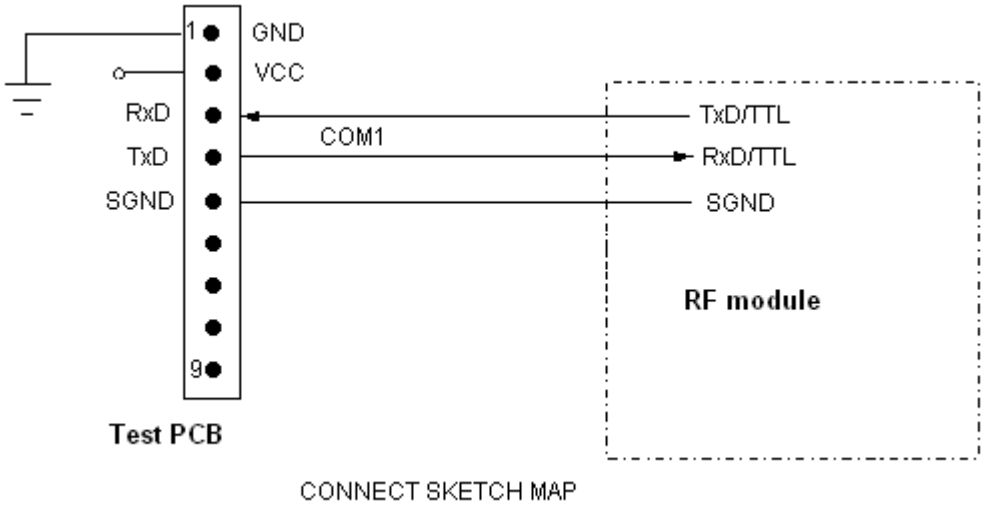
III. Definition of HAC connecting terminal:

The test module (transmitter and receiver) can supply one 9-pin connector (JP1), and its definitions as well as connection method for terminals are shown in Table 1. The other jumpers on test PCB is no definition.

Table 1: Definition of connecting pins and connection method

Pin No	Pin Name	Description	Level	Connected to the terminal	Remarks
1	GND	Grounding of power supply		Grounding of power supply	
2	Vcc	Power supply DC	+3.6~5.0 VDC		
3	RxD/TTL	Serial data receiving end	TTL	TxD/TTL	Connect to RF module
4	TxD/TTL	Serial data transmitting end	TTL	RxD/TTL	
5	SGND	Grounding of the signal			
6	No definition				
7	No definition				
8	No definition				
9	No definition				

Sketch map of connection between test PCB and HAC RF module(see below).



CONNECT SKETCH MAP