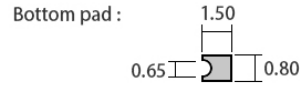
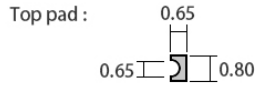
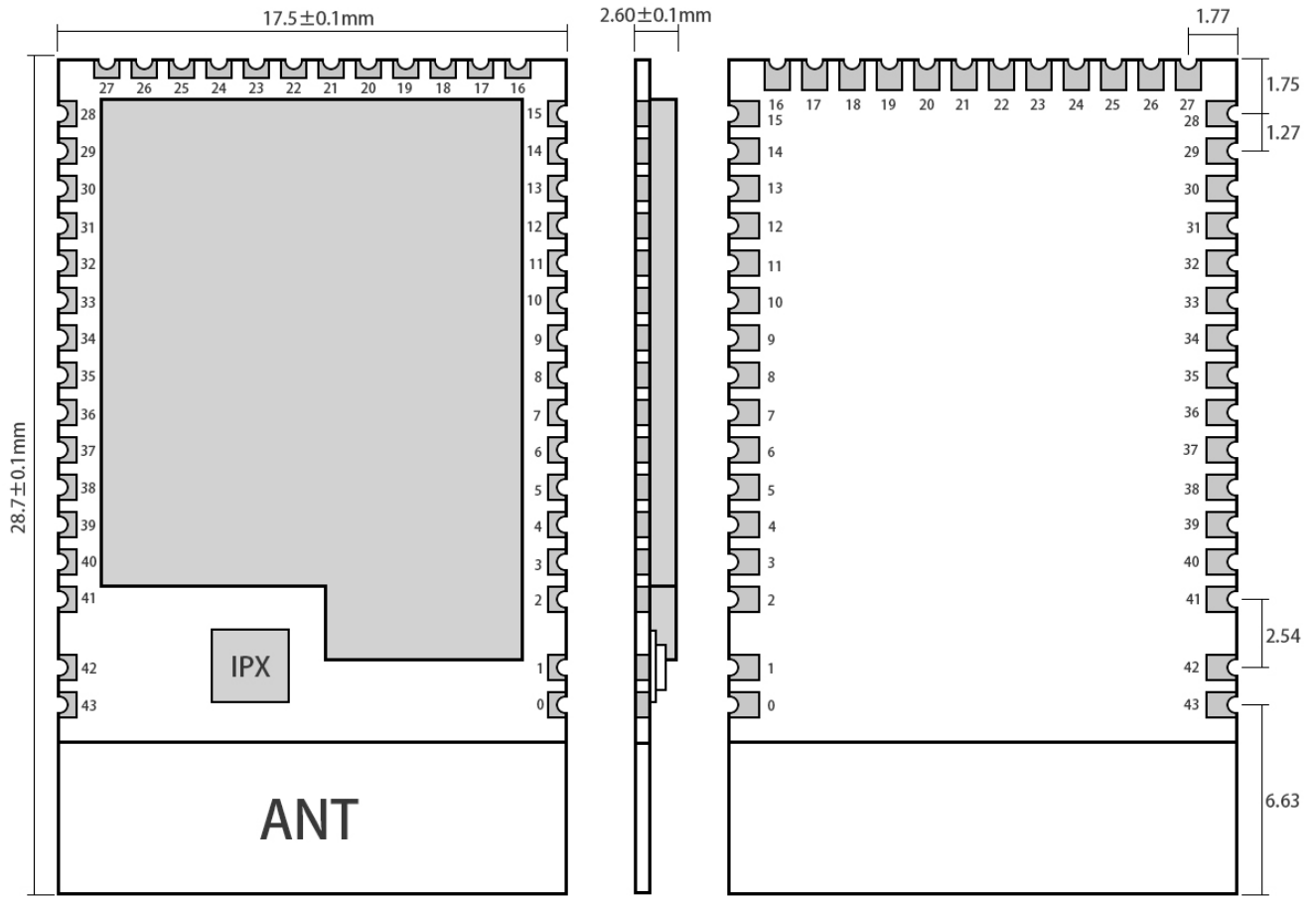


<https://www.passion-radio.fr/bluetooth/ble-nrf52-894.html>



Pad quantity : 44
Unit: mm

Pin No	Pin item	Pin direction	Pin application
0	GND	Input	Ground electrode, connect to reference ground of power
1	GND	Input	Ground electrode, connect to reference ground of power
2	GND	Input	Ground electrode, connect to reference ground of power
3	DEC2	-	MCU GPIO
4	DEC3	-	MCU GPIO
5	P0.25	Input/Output	MCU GPIO
6	P0.26	Input/Output	MCU GPIO
7	P0.27	Input/Output	MCU GPIO
8	P0.28	Input/Output	MCU GPIO

9	P0.29	Input/Output	MCU GPIO
10	P0.30	Input/Output	MCU GPIO
11	P0.31	Input/Output	MCU GPIO
12	DEC4	-	MCU GPIO
13	DCC	-	MCU GPIO
14	DEC1	-	MCU GPIO
15	GND	Input	MCU GPIO
16	VCC	Input	Power supply 1.8 ~ 3.6V DC (Note: The voltage higher 3.6V is forbidden)
17	P0.02	Input/Output	MCU GPIO
18	P0.03	Input/Output	MCU GPIO
19	P0.04	Input/Output	MCU GPIO
20	P0.05	Input/Output	MCU GPIO
21	P0.06	Input/Output	MCU GPIO
22	P0.07	Input/Output	MCU GPIO
23	P0.08	Input/Output	MCU GPIO
24	P0.09	Input/Output	MCU GPIO
25	P0.10	Input/Output	MCU GPIO
26	P0.11	Input/Output	MCU GPIO
27	P0.12	Input/Output	MCU GPIO
28	P0.13	Input/Output	MCU GPIO
29	P0.14	Input/Output	MCU GPIO
30	P0.15	Input/Output	MCU GPIO
31	P0.16	Input/Output	MCU GPIO
32	P0.17	Input/Output	MCU GPIO
33	P0.18	Input/Output	MCU GPIO

34	P0.19	Input/Output	MCU GPIO
35	P0.20	Input/Output	MCU GPIO
36	P0.21	Input/Output/RST	MCU GPIO
37	SWDCLK	Input	MCU GPIO
38	SWDIO	Input	MCU GPIO
39	P0.22	Input/Output	MCU GPIO
40	P0.23	Input/Output	MCU GPIO
41	P0.24	Input/Output	MCU GPIO
42	GND	Input	Ground electrode, connect to power reference ground
43	GND	Input	Ground electrode, connect to power reference ground

Hardware Parameter	Value	Remark
IC	nRF52832-QFAA/QFN48	-
FLASH	512 KB	-
RAM	64 KB	-
Core	ARM® Cortex™ -M4F	-
Size	17.5 * 28.7 mm	-
Antenna type	PCB / IPEX	-
Communication interface	I/O	-
Package	SMD	-

Electronic parameter	Min.	Typ.	Max.	Unit	Condition
Power supply	1.8	3.3	3.6	V	
Communication level	1.8	3.3	3.6	V	
Transmitting current	13	14	15	mA	4dBm (2.5mW)
Receiving current	4	5	6	mA	
Sleep current	1	2	3	μA	
Operating temperature	-40	20	+85	°C	
Operating humidity	10	60	90	%	
Storage temperature	-40	20	+125	°C	

RF Parameter	Value	Remark
Working frequency	2379~2496 MHz	Default: 2.4GHz (32MHz oscillator)
Transmitting power	4 dBm	About 2.5mW
Receiving sensitivity	-95 dBm	Air data rate: 1Mbps
Air data rate	1Mbps, 2Mbps	Default: 1Mbps
Test distance	100m	In open and clear air, with maximum power, 5dBi antenna gain, height of 2m, air data rate: 1Mbps