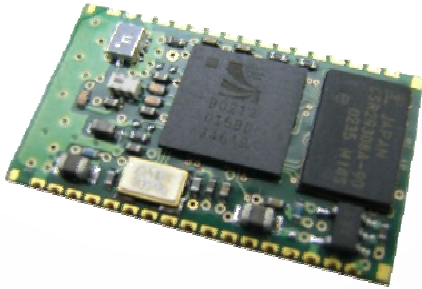


BLUETOOTH MODULE

Model BT-20



PIN FUNCTIONS
VIEWED FROM COMPONENT SIDE

1	GND	GND	34
2	N.C.	RF_Out	33
3	N.C.	GND	32
4	AIO(0)	PIO(0)	31
5	AIO(1)	PIO(1)	30
6	RESET	PIO(2)	29
7	SPI_MISO	PIO(3)	28
8	SPI_CSB	PIO(4)	27
9	SPI_CLK	PIO(5)	26
10	SPI_MOSI	PIO(6)	25
11	UART_CTS	PIO(7)	24
12	UART_TX	USB_DN	23
13	UART_RTS	USB_DP	22
14	UART_RX	PCM_CLK	21
15	1V8	PCM_IN	20
16	3V3	PCM_SYNC	19
17	GND	PCM_OUT	18

Rainsun Bluetooth Module BT-20

- Bluetooth v1.1 compliant
- Full Bluetooth protocol stack up to HCI

Interface	USB/UART/PCM/8 Programmable IO pins/2 AIO/SPI		
output power	+4dBm max (Class 2)	Size LxWxH (mm/inch)	25 x 14.5 x 2 mm/ 1 x 0.57 x 0.08 inch
working distance	10 meter	DC power	3.3 ~ 3.6 V
Frequency band	2.4GHz unlicensed ISM band	Sensitivity	-80 dBm @ 0.1BER
Modulation	GFSK (Gaussian Frequency Shift Keying)	Data rate	723K bps (max.)
Connection mode	Active, Hold, Sniff, Park	Link mode	ACL and SCO link
Application	USB device, RS-232 Dongle, Cable replacement, Headset, Handfree		