

Port Module. HC-05 Datasheet SEARCH

HC-05 Module. Datasheet pdf. Equivalent



Tech Support: info@iteadstudio.com

HC-05

-Bluetooth to Serial Port Module

Overview



HC-05 module is an easy to use Bluetooth SPP (Serial Port Protocol) module, designed for transparent wireless serial connection setup.

Serial port Bluetooth module is fully qualified Bluetooth V2.0+EDR (Enhanced Data Rate) 3Mbps Modulation with complete 2.4GHz radio transceiver and baseband. It uses CSR Bluecore 04-External single chip Bluetooth system with CMOS technology and with AFH(Adaptive Frequency Hopping Feature). It has the footprint as small as 12.7mmx27mm. Hope it will simplify your overall design/development cycle.

Specifications

Hardware features

- ☐ Typical -80dBm sensitivity
- ☐ Up to +4dBm RF transmit power
- ☐ Low Power 1.8V Operation ,1.8 to 3.6V I/O
- ☐ PIO control
- ☐ UART interface with programmable baud rate

- ☐ With integrated antenna
- ☐ With edge connector

HC-05 Bluetooth module

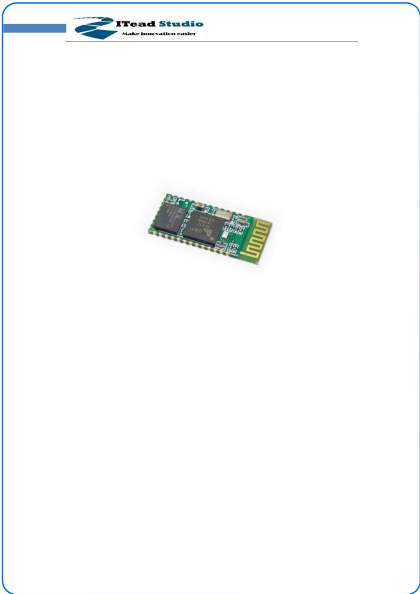
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Siemens
3SE5232-0HC05
Sirius 3SE5 Safety Limit Switch with Plunger Actuator Plastic NO/NC ATEX
[Datasheet](#)

Distributor	Stock	1	10	100	1,000	
Newark	2	USD 51.10	48.55	48.55	48.55	Visit Site
RS Components	17	GBP 14.31	14.31	14.31	14.31	Visit Site
State Motor and Control Solutions	1	USD 35.29	35.29	35.29	35.29	Visit Site
Omnicall	Yes	CAD 23.54	23.54	23.54	23.54	Visit Site
Chip One Stop Global	28	CNY 240.69	189.84	171.76	171.76	Visit Site



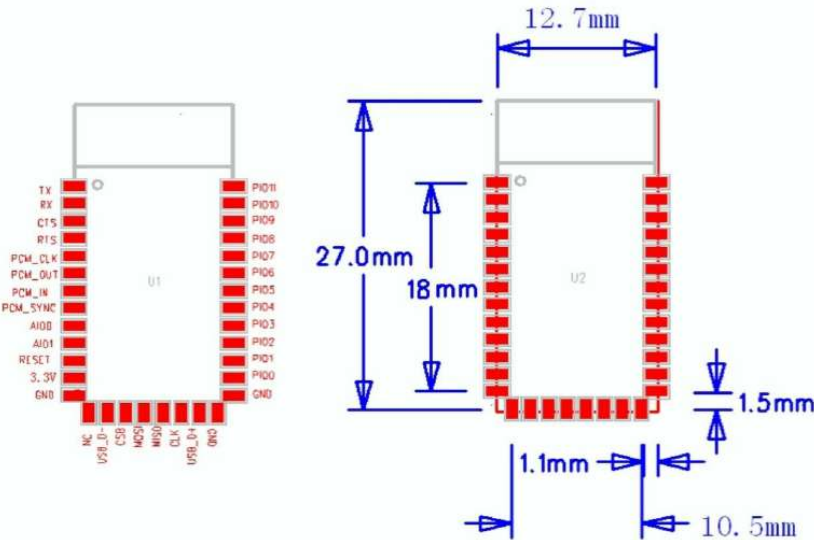
Part	HC-05
Description	Bluetooth to Serial Port Module
Feature	HC-05; 1 Tech Support: info@iteadstudio.com HC-05 -Bluetooth to Serial Port Module Overview HC-05 module i.
Manufacture	ITead
Datasheet	Download HC-05 Datasheet

Software features

- ☐ Default Baud rate: 38400, Data bits:8, Stop bit:1,Parity:No parity, Data control: has.
Supported baud rate: 9600,19200,38400,57600,115200,230400,460800.
- ☐ Given a rising pulse in PIO0, device will be disconnected.
- ☐ Status instruction port PIO1: low-disconnected, high-connected;
- ☐ PIO10 and PIO11 can be connected to red and blue led separately. When master and slave are paired, red and blue led blinks 1time/2s in interval, while disconnected only blue led blinks 2times/s.

- ☐ Auto-connect to the last device on power as default.
- ☐ Permit pairing device to connect as default.
- ☐ Auto-pairing PINCODE:"0000" as default
- ☐ Auto-reconnect in 30 min when disconnected as a result of beyond the range of connection.

Hardware



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PIN Name	PIN #	Pad type	Description	Note
GND	13 21 22	VSS	Ground pot	
3.3 VCC	12	3.3V	Integrated 3.3V (+) supply with On-chip linear regulator output within 3.15-3.3V	
AIO0	9	Bi-Directional	Programmable input/output line	
AIO1	10	Bi-Directional	Programmable input/output line	
PIO0	23	Bi-Directional RX EN	Programmable input/output line, control output for LNA(if fitted)	
PIO1	24	Bi-Directional	Programmable input/output line,	

		TX EN	control output for PA(if fitted)	
PIO2	25	Bi-Directional	Programmable input/output line	
PIO3	26	Bi-Directional	Programmable input/output line	
PIO4	27	Bi-Directional	Programmable input/output line	
PIO5	28	Bi-Directional	Programmable input/output line	
PIO6	29	Bi-Directional	Programmable input/output line	
PIO7	30	Bi-Directional	Programmable input/output line	
PIO8	31	Bi-Directional	Programmable input/output line	
PIO9	32	Bi-Directional	Programmable input/output line	
PIO10	33	Bi-Directional	Programmable input/output line	
PIO11	34	Bi-Directional	Programmable input/output line	

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Nexperia
74HC05D,118
74HC Series 6 V Surface Mount Hex Inverter with Open-Drain Outputs - SOIC-14

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Distributor	Stock		1	10	100	1,000	
Rochester Electronics	5,113	USD	0.062	0.062	0.060	0.057	Visit Site
Arrow Electronics	10,000	USD					Visit Site
Digi-Key	0	USD					Visit Site
Verical	10,000	USD					Visit Site
Mouser	3,127	USD	0.350	0.268	0.146	0.109	Visit Site

ON Semiconductor
MC74HC05ADG
MC74HC05ADG; Hex; TTL Inverter; 2 - 6 V; 14-Pin SOIC

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Digi-Key	2,142	USD	0.480	0.389	0.265	0.149	Visit Site
Avnet	34,738	USD					Visit Site
Rochester Electronics	34,738	USD	0.110	0.110	0.106	0.101	Visit Site
Arrow Electronics	6,710	USD	0.441	0.294	0.137	0.105	Visit Site
Mouser	5,589	USD	0.450	0.336	0.171	0.128	Visit Site

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