



## Technical Specifications

Network standard	wireless: IEEE 802.11n、IEEE 802.11g、IEEE 802.11b
	wired: IEEE 802.3、IEEE 802.3u
Wireless transmission rate	11n: maximum up to 150Mbps 11g: maximum up to 54Mbps 11b: maximum up to 11Mbps
Tracks number	1-14
Frequency range	2.4-2.4835G
Emission power	12-15DBM
Interface	1个10/100Mbps LAN/WAN multiplex interface、interface
<b>Antenna</b>	
Antenna type	Onboard antenna / External Antenna
<b>Functional Parameters</b>	
WIFI work mode	Client/AP/Router
WDS Function	Support WDS wireless bridge connection
Wireless security	Wireless MAC address filtering
	Wireless security function switch
	64/128/152 bit WEP encryption
	WPA-PSK/WPA2-PSK、WPA/WPA2 security mechanism
Network management	Remote Web management
	Configuration file import and export
	WEB software upgrade
<b>Serial to Network</b>	
Maximum transmission rate	230400bps
TCP connection	Max connection number>20
UDP connection	Max connection number>20
Serial baud rate	50~230400bps
<b>Other Parameters</b>	
Status indicator	Status indicator
Environmental standard	Operating temperature: -20-70°C
	Operating humidity: 10%-90%RH (不凝结)
	Storage temperature: -40-80°C
	Storage humidity: 5%-90%RH (不凝结)
Additional properties	Frequency bandwidth optional: 20MHz、40MHz, 自动

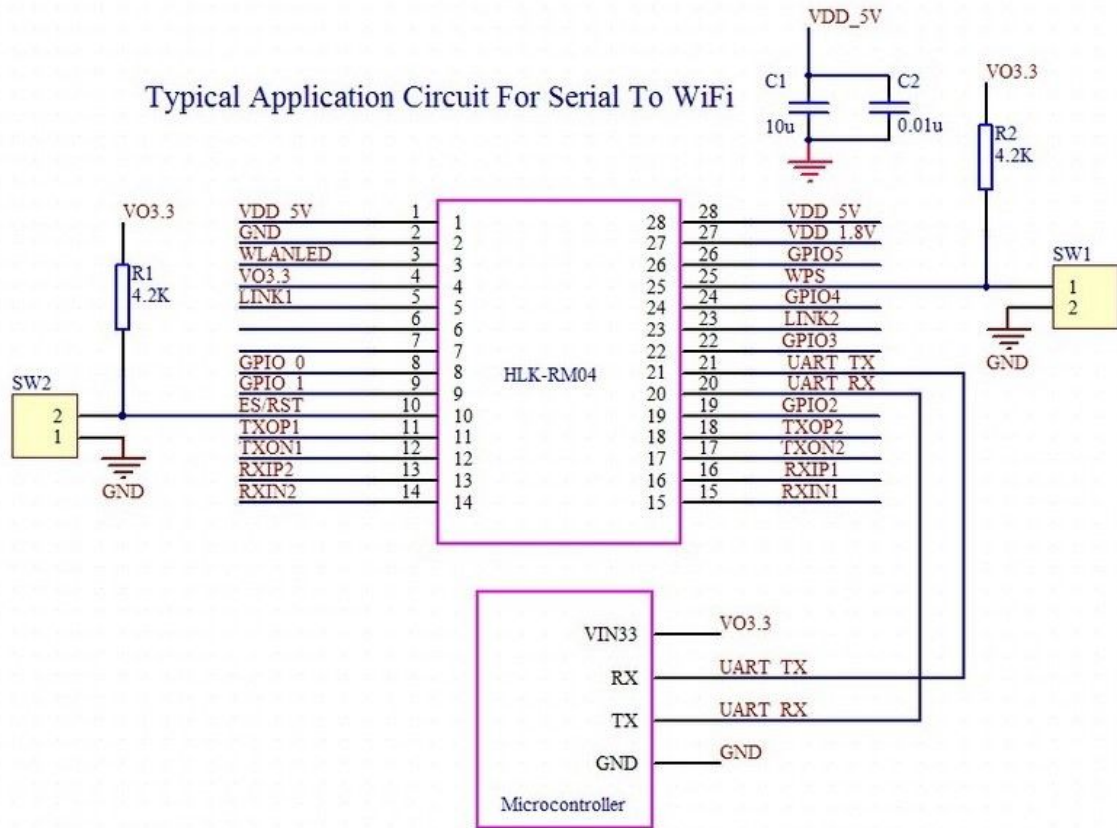
The Pin of this product as shown above is defined as follows

Pin No	Signal Type	Description
1	VCC5V	Supply Voltage, 5V+/-10%
2	GND	Analogue Ground
3	WIFILED	WLAN Activity LED
4	VO3.3	3.3V Output (Suupport Atmost 300mA)
5	LINK1	10/100 PHY Port #1 activity LED
6	N/A	Reserved
7	N/A	Reserved
8	GPIO0	General GPIO Reserved
9	GPIO1	General GPIO Reserved
10	ES/RST	Exit transparent transmission mode/Restore factory value
11	TXOP1	10/100 PHY Port #1 TXP
12	TXON1	10/100 PHY Port #1 TXN
13	RXIP2	10/100 PHY Port #2 TXP
14	RXIN2	10/100 PHY Port #2 TXN
15	RXIN1	10/100 PHY Port #1 RXN
16	RXIP1	10/100 PHY Port #1 RXP
17	TXON2	10/100 PHY Port #2 OXN
18	TXOP2	10/100 PHY Port #2 OXP
19	GPIO2	General GPIO Reserved
20	UART_RX	UART RXD.
21	UART_TX	UART TXD.
22	GPIO3	General GPIO Reserved
23	LINK2	10/100 PHY Port #2 activity LED
24	GPIO4	General GPIO Reserved
25	WPS/RST	WiFi Protected Setup /Restore factory value
26	GPIO5	General GPIO Reserved
27	VO1.8	1.8V Output (Suupport Atmost 300mA)
28	VCC5V	Supply Voltage, 5V+/-10%

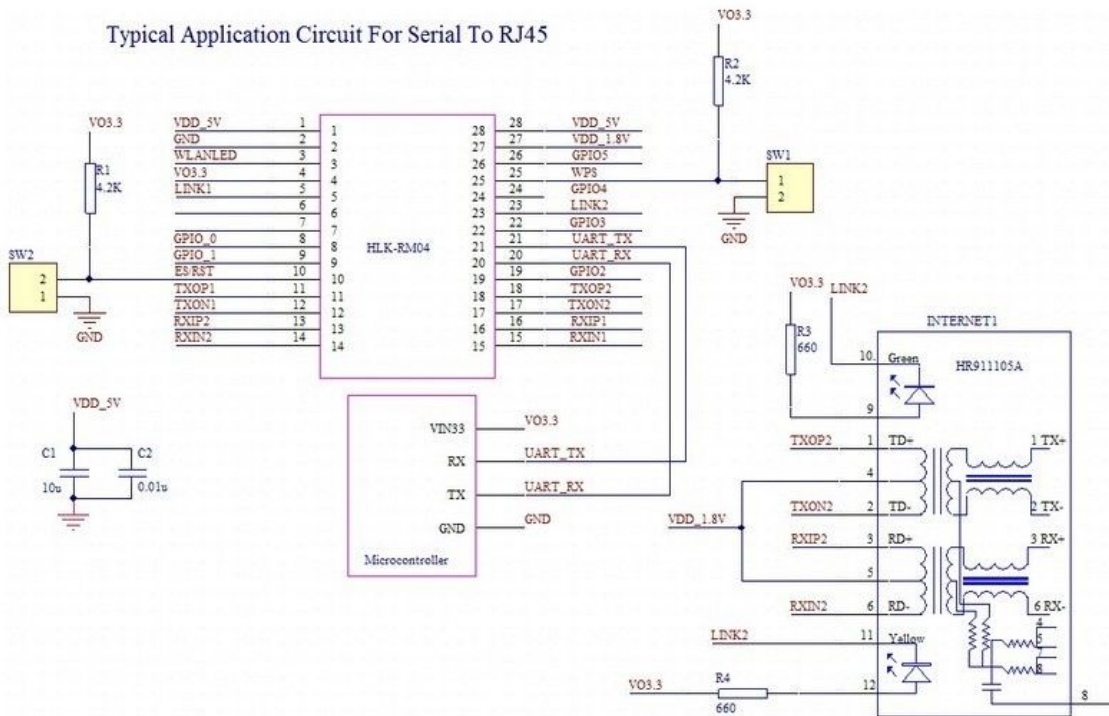
Exceeding these conditions will result in damage to the device

Parameter	Min	Max
Module supply voltage VCC	3.9V	5.5V
Module Voltage Output VO3.3	3.1V	3.5
Module Voltage Output VO1.8	1.65V	1.9
GPIO Voltage	3.1V	3.5V
Storage temperature	-40°C	95°C

### Typical Application Circuit For Serial To WiFi



### Typical Application Circuit For Serial To RJ45



### WiFi Router With Serial Port

