VDD3V3
R1 470
LED1 B
GPIO16
R3 0
R4 470
nRST
K1
GND
nRST
Q1 8050
R5 12K
Q2 8050
R8 12K
GPIO0
VDD5V
C6 10uF
C7 100nF
GND GND

GPIO0
R2 470
P1
1 2 3 4 5 6 7 8
Header 8
VDD5V
VDD3V3
GND
K2
GND

P2
GPIO0 1
GPIO4 2
GPIO5 3
GPIO16 4
GPIO2 5
RXD0 6
TXD0 7
Header 7

U4 CH340
1 GND VCC 16
2 TXD R232 15
3 RXD RTS 14
4 V3 DTR 13
5 UD+ DCD 12
6 UD- RI 11
7 XI DSR 10
8 XO CTS 9

XO
XI
R6 470
TXD0
RXD0
GND

VDD5V
D1 1N4007/M7(DO-214AC)
C5 100nF
GND

USB
USB_Micro_5S_B
VCC MH4 9
D- MH3 8
D+ MH2 7
ID MH1 6
GND
GND

CN1
PWR-2.5
GND
VDD5V

U1 NCP1117ST33T3G
VIN VOUT
GND/ADJ
VDD5V
C1 10uF
C2 10uF
VDD3V3
GND GND
GND

U3 ESP8266核心板
nRST 1 RST TXD0 16 TXD0
ADC 2 ADC RXD0 15 RXD0
EN 3 EN GPIO5 14 GPIO5
GPIO16 4 GPIO16 GPIO4 13 GPIO4
GPIO14 5 GPIO14 GPIO0 12 GPIO0
GPIO12 6 GPIO12 GPIO2 11 GPIO2
GPIO13 7 GPIO13 GPIO15 10 GPIO15
VCC 8 VCC GND 9
VDD5V
GND

U2 12MHZ
XO 1
C3 22pF
XI 3
C4 22pF
GND GND GND GND

VDD3V3
C8 0.1uF
C9 0.1uF
GND

L9110
1 OA GND 8
2 VCC IB 7
3 VCC IA 6
4 OB GND 5
L9110
IB
IA
GND

INA INB MOTOR *3
C10 0.1uF

P4
JDQ-GPIO12 1
G LED 2
R LED 3
B LED 4
Header 4

P3 DHT11-GPIO12
GPIO12 1
GPIO13 2
GPIO14 3
GPIO15 4
Header 5

P5
IB 1
IA 2
Header 2

VDD5V
D2 1N4148
JDQ1
5 5 1 1 1 1
6 6 2 2 2 2
3
4
JDQ
U5 2P

JDQ-GPIO12
R9 10K
Q3 8050
GND

LED2
R12 33
R13 33
R14 33
RGB
1 6 B LED
2 5 R LED
3 4 G LED
VDD3V3

P7
4
3
2
1
DHT11
VDD3V3
R10 3.3K
DHT11-GPIO12
GND

P6 Light_Res
2
1
VDD3V3
R11 1M
ADC
GND
P8 Header 2

Comment	Description	Designator	Footprint	LibRef	Quantity
MOTOR		*3	MOTOR	MOTOR	1
10uF		C1, C2, C6	B3528	CAP+	3
22pF		C3, C4	0603C	CAP	2
100nF		C5, C7	0603C	CAP	2
0.1uF		C8, C9, C10	0603C	CAP	3
PWR-2.5		CN1	KLD-0202	PWR-2.5	1
1N4007/M7(DO-		D1	1N4007/M7(DO-	1N4007/M7(DO-	1
IN4148		D2	1206D	IN4148	1
JDQ		JDQ1	JDQ	JDQ	1
Button3x6		K1, K2	BUTTON3X6	Button3x6	2
L9110		L9110	L9110	L9110	1
B		LED1	0603LED	LED	1
RGB	5050RGB	LED2	5050RGB	5050RGB	1
Header 8	Header, 8-Pin	P1	HDR1X8	Header 8	1
Header 7	Header, 7-Pin	P2	HDR1X7	Header 7	1
Header 5	Header, 5-Pin	P3	HDR1X5	Header 5	1
Header 4	Header, 4-Pin	P4	HDR1X4	Header 4	1
Header 2	Header, 2-Pin	P5, P8	HDR1X2	Header 2	2
Light_Res	Header, 2-Pin	P6	HDR1X2	Header 2	1
DHT11	Header, 4-Pin	P7	HDR1X4	Header 4	1
8050		Q1, Q2, Q3	SOT-23A	8050	3
470		R1, R2, R4, R6, R7	0603R	RES	5
0		R3	0603R	RES	1
12K		R5, R8	0603R	RES	2
10K		R9	0603R	RES	1
3.3K		R10	0603R	RES	1
1M		R11	0603R	RES	1
33		R12, R13, R14	0603R	RES	3
NCP1117ST33T3G	NCP1117, NCV1117. 1.0 A Low-Dropout Positive Fixed and Adjustable Voltage	U1	SOT-223	NCP1117	1
12MHZ		U2	12MHZ	12MHZ	1
ESP8266 核心板		U3	ESP8266 核心板	ESP8266 核心板	1
CH340		U4	CH340	CH340	1
2P		U5	2P插座	2P插座	1
USB_Micro_5S_B		USB	USB_Micro_5S_B	USB_Micro_5S_B	1