



LINE FOLLOWER ROBOT

HUST-DCE

Comment	Description	Designator	Footprint	LibRef	Quantity
Button-2pin		BT_Rst	Button2pin	Button-2pin	1
470uF	Use for 0.1/0.22/0.33/0.47/1/2.2/3.3/4.7/10/22 uF Capacitor Through Hole	C1, C3	CAP_xUF_50V_TH_5x11	CAP_ALU/CHE_0.1uF_50V_POL_5x11	2
1uF	Use for 0.1/0.22/0.33/0.47/1/2.2/3.3/4.7/10/22 uF Capacitor Through Hole	C2, C4	CAP_xUF_50V_TH_5x11	CAP_ALU/CHE_0.1uF_50V_POL_5x11	2
0.1uF	Ceramic Capacitor 1nF/50V (+20% TH)/(+10%SMD)	C5, C6, C7, C8, C9	CAP_10x_TH	CAP_CER_0.1uF_50V_NPOL_1	5
ESP8266-V12	ESP8266-V12	ESP8266v12	ESP-8266 V12	ESP8266-V12	1
LM358	Low-Power Dual Operational Amplifier	IC1, IC2, IC3	DIP8/W0.3	LM358	3
LM7805	On ap +, from + 5 to + 24VDC	IC5V	QTO-220	LM78xx	1
L293		ICL293D	L293	L293	1
Header 5		J5_1	HEADER x5(2)	Header 5	1
Header 6		J6_1	HEADER FEMALE x6	Header 6	1
Header 8		J8_1, J8_2	HEADER FEMALE x8	Header 8	2
Header 2		Jump_M1, Jump_M2	HEADER x2 (2)	Header 2	2
Header 2		Jump_Power	KF128 2P 5.08mm	Header 2	1
LED_RED	LED Red	LED1_1, LED1_2, LED1_3, LED1_4, LED1_5	LED5R5mm	LED_RED	5
LED_GREEN	LED Green	LED2_1, LED2_2, LED2_3, LED2_4, LED2_5	LED3G3mm	LED_GREEN	5
LED_RED	LED Red	LED_Power, LED1, LED2, LED3, LED4, LED5	LED3R3mm	LED_RED	6
330R	Resistor 1/4W	R1, R3, R4, R6, R7, R9, R10, R12, R13, R16	R1/8W	R	10
10k	Resistor 1/4W	R2, R5, R8, R11, R14, R16, R17, R18, R19, R20	R1/8W	R	10
330R	Resistor through hole 1/4W	R25	CR25S	Resistor 1/4W	1
SW102A	Switch 102 on Broad	SW_Boot, SW_Power, SW1	SW102	SW102A	3
LM1117-3.3V	800mA Low-Dropout Linear Regulator	U1	TO220-123	LM1117	1
10K	WH148	VR1, VR2, VR3, VR4, VR5	Trimmer 3262	Variable Resistor	5