

Bill Of Materials for MOTOR_STEP_SCH

0 Modules			
Quantity	References	Value	description
Sub-totals:			
9 Capacitors			
Quantity	References	Value	description
7	C1-C3,C6-C9	10u	CAPACITOR SMD1206
2	C4-C5	100u	Electrolit 3.5x8
Sub-totals:			
10 Resistors			
Quantity	References	Value	description
4	R1,R3-R4,R7	47K	RESISTOR SMD1206
1	R2	7K8	RESISTOR SMD1206
3	R5-R6,R8	1	POWER RESISTOR 5W AC04
2	R9-R10	10K	RESISTOR SMD1206
Sub-totals:			
4 Integrated Circuits			
Quantity	References	Value	description
1	U1	7400	Quad 2-Input NAND Gate DIP14
1	U2	L298	MOTOR DRIVER
1	U3	PCF8574	8-bit 2.5- to 5.5-V I2C/SMBus I/O expander with interrup
1	U4	LM323T	3A, 5V POSITIVE VOLTAGE REGULATOR
Sub-totals:			
5 Transistors			
Quantity	References	Value	description
4	Q1-Q4	IRF3315	MOSFET TRANSISTOR TO220
1	Q5	2N7000	LOGIC LEVEL MOSFET TO92
Sub-totals:			
23 Miscellaneous			
Quantity	References	Value	description
1	ARD1	ARDUINO NANO R3	
2	D1-D2	12CGQ150	DUAL SCHOTTKY DIODE 10A COMMON CATODE TO220
8	D3-D10	1N4007	DO41
1	IR1	IR OBSTACLE SENSOR	INFRA RED SENSOR
6	J1-J2,J5-J8	TBLOCK-M2	W237-102
2	J3-J4	TBLOCK-M4	W237-103
1	JP1	JUMPER2	
1	LCD1	LCD 20X4 V2	LCD DISPLAY 20X4
1	RL1	5V	RELAY G2R COIL 5V
Sub-totals:			
Totals:			