



Component	#	Description	PIN1	PIN2	PIN3
	1	TIP31C Transistor	J19	J20	J21
	2	1N4001 Diode	G24	G20	Χ
	3	330 Ohm Resistor	F19	F15	X
	6	Blue Wire	G10	G15	X
	5	Black Wire	H4	H21	Χ
	4	Red Wire	I1	I24	Χ
	7	Motor:Yellow Wire	F20	Х	Χ
	8	Motor:Green Wire	J24	Χ	Х
1 2 3	1	3 IN 1. BASE 2. COLLECTOR 3. BMITTER TO-220C package			
Component	#2				
Component	K	Pin 2			
Component	73				
Pin 1			Pin 2		
E12 Range, Res	sistor	330Ω, 5% Tolerance, Car	bon Film		
3	3		5%		
Orange	Orang	e Brown	Gold		

A transistor is a semiconductor device used to amplify or switch electronic signals and electrical power.

A diode conducts current in one direction but not the other.

A resistor is a passive electrical component to create resistance in the flow of electric current.