



















Line #	Name	Description	Designator	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
1	Capacitor	Cap Ceramic 0.1uF 25V X8R 10% Radial 2.5mm 150°C Automotive Bulk	C1	1	TDK	FA18X8R1E104KNU00	Unknown	Digi-Key	445-175524-ND	0,38	0,38
2	Capacitor	Cap Ceramic 0.1uF 100V COG 5% Radial 2.5mm 125°C Automotive Ammo	C2	1	TDK	FA16C0G2A104JRU06	Unknown	Digi-Key	445-175390-1-ND	1,25	1,25
3	Diode	Diode Ultra Fast Recovery Rectifier 100 Volt 0.3A 2-Pin DO-3	D1, D2, D3	3	NXP Semiconductors	1N4148	Volume Production	Digi-Key	1N4148FS-ND	0,1	0,3
4	Power	Header, 2-Pin	P1	1							
5	Motor	Header, 2-Pin	P2	1							
6	Transistor	MULTICOMP PRO - 2N2222 - Bipolarer Einzeltransisto r (BJT), NPN, 30 V, 250 MHz, 500 mW, 800 mA, 100 hFE	Q1	1	Multicomp	2N2222	Volume Production	Newark	87K2254	0,999	0,999
7	Vriable resistor	PDB18 Series 17 mm Rotary Potentiometer 50K Ohm 20% 0.2 W 1(Elec)/1(Mec h)Turn Thru- Hole Tray	R1	1	Bourns	PDB181-A420K-503A2	Volume Production	Digi-Key	PDB181-A420K-503A2-ND	1,22	1,22
9	Resistor	Res Metal Film 220 Ohm 1% 1/8W 100ppm/C Conformal AXL Thru-Hole Bulk	R3	1	Vishay	RN55D2200FB14	Volume Production	Digi-Key	RN55D2200FB14-ND	0,58	0,58
8	Resistor	RESISTOR, METAL OXIDE, 1KOHM, 250mW, 2%; Product Range:QW Series; Resistance:1k ohm; Power Rating:250mW ; Resistance Tolerance: 2%; Voltage Rating:-; Resistor Case Style:Axial Leaded; Resistor Element Type:Metal Oxide; No. of Pins:2 ;RoHS Compliant: Yes	R2	1	NTE Electronics	QW210	Volume Production	Newark	33C5949		
10	NE555	Standard Timer Single 8- Pin PDIP Tube	U1	1	Texas Instruments	NE555P	Volume Production	Mouser	595-NE555P	0,37	0,37

Comment	Description	Designator	Footprint	LibRef	Quantity
Capacitor	Cap Ceramic 0.1uF 25V X8R 10% Radial 2.5mm 150°C Automotive Bulk, Cap Ceramic 0.1uF 100V C0G 5% Radial 2.5mm 125°C Automotive Ammo	C1, C2	Capacitor-2.5mm	Capacitor	2
Diode	Diode Ultra Fast Recovery Rectifier 100 Volt 0.3A 2-Pin DO-3	D1, D2, D3	Diode	Diode	3
Power	Header, 2-Pin	P1	HDR1X2	Header 2	1
Motor	Header, 2-Pin	P2	HDR1X2	Header 2	1
Transistor	MULTICOMP PRO - 2N2222 - Bipolarer Einzeltransistor (BJT), NPN, 30 V, 250 MHz, 500 mW, 800 mA, 100 hFE	Q1	Transistor	Transistor	1
Vriable resistor	PDB18 Series 17 mm Rotary Potentiometer 50K Ohm 20% 0.2 W 1(Elec)/1(Mech)Turn Thru-Hole Tray	R1	variable resistor	Vriable resistor	1
Resistor	RESISTOR, METAL OXIDE, 1KOHM, 250mW, 2%; Product Range:QW Series; Resistance:1kohm; Power Rating:250mW; Resistance Tolerance: 2%; Voltage Rating:-; Resistor Case Style:Axial Leaded; Resistor Element Type:Metal Oxide; No. of Pins:2 ;RoHS Compliant: Yes, Res Metal Film 220 Ohm 1% 1/8W 100ppm/C Conformal AXL Thru- Hole Bulk	R2, R3	Resistor-7.62	Resistor	2
NE555	Standard Timer Single 8-Pin PDIP Tube	U1	NE555	NE555	1