

Bill of Materials

	Quantity	Unit Price	Business
CYS-S8218, 6V-7.2V, 164g 40KG Servo	1	31.9	Aliexpress
Sockets	1	1.68	Mouser Electronics
Molex Headers	1	1.28	Mouser Electronics
LEDs	6	0.24	Mouser Electronics
LEDs	8	0.15	Mouser Electronics
ATMEGA8L-8PU	2	4.28	Mouser Electronics
L298N	2	4.41	Mouser Electronics
LM7805CT Linear Voltage Regulator	2	0.61	Mouser Electronics
General Purpose Diodes	8	0.15	Mouser Electronics
1N4007 Rectifiers	2	0.16	Mouser Electronics
Multilayer Ceramic Capacitors	2	0.83	Mouser Electronics
Multilayer Ceramic Capacitors	2	0.66	Mouser Electronics
Multilayer Ceramic Capacitors	8	0.74	Mouser Electronics
Thin Film Resistors	12	0.11	Mouser Electronics
Carbon Film Resistors 4.7k	2	0.1	Mouser Electronics
Metal Film Resistors	1	0.61	Mouser Electronics
Metal Film Resistors	2	0.61	Mouser Electronics
Zener Diodes	2	0.12	Mouser Electronics
ECS Crystals	2	0.53	Mouser Electronics
CTS Crystals	1	0.66	Mouser Electronics
General Purpose Diodes	1	0.16	Mouser Electronics
TE Connectivity D-Sub Connector	1	0.97	Mouser Electronics
Bipolar Transistor	1	0.2	Mouser Electronics
Amico 5 Pcs 8x22x7mm Bearings	1	6.3	Amazon
Linear Motion 8mm Shaft	1	10.37	Amazon
Alegant 12V 120 RPM Motor	2	11.99	Amazon
TSINY 12Vdc 64 RPM Motor	2	16.88	Amazon
Alegant 6V 20 RPM Motor	1	10.99	Amazon