



Line #	Name	Description	Designator	Quantity	TargetPrice	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	2N7002	WCAP-ATG8 Aluminum Electrolytic Capacitors, 5x11mm, 10 Vdc, 33 uF	T1-T4	4	0				RSComponents	7082396		
	10 Vdc, 33 uF	C4		1	0				RSComponents	475-9172		
	10k	RESISTOR, European symbol	R1-R5, R_FIN, R_GND, R_RIN, R_TILT_UP	9	0				RSComponents	740-9224		
	10k	RESISTOR, European symbol	R_OPEN_UP	1	0				RSComponents	740-9224		
	10V, 1uF	WCAP-CSGP Ceramic Capacitors, 0805, X7R, 10V, 1uF	C5, C7	2	0				RSComponents	1358615		
	10V, 10nF	WCAP-CSGP Ceramic Capacitors, 0805, X7R, 10V, 1uF	C6	1	0				RSComponents	8029917		
	16 Vdc, 330 uF	WCAP-ATG8 Aluminum Electrolytic Capacitors, 8x11.5mm, 16 Vdc, 330 uF	C1, C2	2	0				Farnell	1203711		
	100nf	CAPACITOR, European symbol	C3	1	0				RSComponents	264-4416		
	732R 805	RESISTOR, European symbol	R_OPTO	1	0				Farnell	1810490		
	7805TV	Positive VOLTAGE REGULATOR Source: http://cache.national.com/ds/LM/LM7805.pdf http://www.fairchildsemi.com/ds/LM/LM7805.pdf	IC2	1	0.35	STMicroelectronics	L7805ACV	Manual Solution	RSComponents	2988508	0.37966	0.37966
	53014-0610		Molex	1	0	Molex	53014-0610	Manual Solution	RSComponents	4682643	0.56407	2.82
	53047-0210		U_MOT	1	0.494	Molex	53047-0210	Manual Solution	RSComponents	279-9213	0.53587	2.68
	53047-0310		U_POT	1	0.494	Molex	53047-0310	Manual Solution	RSComponents	319-1064	0.53587	2.68
	690207100672	WR-MM Transition Connector, 6 Pins--Code : WR-MM_Leiterplatte nverbinder_690207100672 Details see: http://katalog.wonline.de/en/em/6902_0710_xx_72 Created 2014-06-04, Karer Zheng 2014 (C) Würth Elektronik	CON3, K1	2	0.54	Würth Electronics	690207100672	Manual Solution	RSComponents	7718222	0.58577	2.93
	AQY212G25	PhotoMOS GU5OP 1 Form A High Capacity, 60 V Load Voltage, 1.25 A Continuous Load Current, -40 to 85 degC, 4-Pin SOP, Tube, RoHS	IC3	1	0	Omron	G3VM-351G	Manual Solution	RSComponents	480-1273	0	0
	BAV20W-7-F	Molded plastic JEDEC SOD-123/Mini SMA Source: Comchip CGRM4001-G.pdf	D1-D3	3	0				RSComponents	751-3443		
	BD623*F	H-bridge driver for brush motors Source: http://www.rohm.com/products/databook/motor/pdf/bd623x_series-e.pdf	IC1	1	1.79	Rohm	BD6211F-E2	Manual Solution	RSComponents	699-6736	1.94	1.94
	CGRM4001-G	Molded plastic JEDEC SOD-123/Mini SMA Source: Comchip CGRM4001-G.pdf	D4	1	0.275	ON Semiconductor	MBR2H2005FT1G	Manual Solution	Farnell	2452032	0.29831	1.49
	Custom Item 1		1	1	1.1	Sseed Studio	PCB	Manual Solution	Farnell	Test	1.19	10.74
	GSV1-5VDC	RELAY 1 x switch, 0.5 A/125 V AC, 1 A/24 V DC, Omron	K1, K2	2	0				RSComponents	8411420		
	GSV1-5VDC	RELAY 1 x switch, 0.5 A/125 V AC, 1 A/24 V DC, Omron	K3	1	0				RSComponents	8411420		
	Mini Pro		Mini Pro	1	3	Aliexpress	Arduino Mini Pro	Manual Solution	RSComponents	Test	3.25	3.25