

Qty	Value	Device	Package	Parts	Description
4		LED-3MM-NO_SILK	LED3MM-NS	AMBER, GREEN, ON/OFF, RED	LEDs
1	1.0uF	CPOL-EUE2,5-6E	E2,5-6E	C1	POLARIZED CAPACITOR, European symbol
2	3.7uF	CPOL-USSMCA	SMC_A	C11, C12	POLARIZED CAPACITOR, American symbol
2	10uF	C-EUC1206	C1206	C2, C3	CAPACITOR, European symbol
1	2200uF	CPOL-EUE5-10.5	E5-10,5	C4	POLARIZED CAPACITOR, European symbol
1	10nF	C-EUC1206	C1206	C5	CAPACITOR, European symbol
2	22pF	22PF-PTH-2.54MM-200V-5%	CAP-PTH-2.54	C6, C7	22pF ceramic capacitors
1	0.1uF	C-EUC1206	C1206	C8,C13	CAPACITOR, European symbol
2	370nF	CPOL-USSMCA	SMC_A	C9, C10	POLARIZED CAPACITOR, American symbol
2	MURA110T3G	MURA110T3G	DIOM5226X220N	D1, D2	Source: Datasheet
4	MBR0530T1G	MBR0530T1G	SOD3716X135N	D3, D5, D7, D9	Schottky Rectifier 0.5A 30V SOD-123 ON Semiconductor MBR0530T1G Schottky Diode, 0.5A, 30V, 2-Pin SOD-123
4		1N4007E-E3_73	DIOAD1405W86L465D235	D4, D6, D8, D10	Rectifiers 1.0 Amp 1000 Volt
1		SHK20L	SHK20L	F1	FUSE HOLDER 5 x 20 mm, SH contact, SHH1 Schukat, E1073 Buerklin
1	LCD16X2	LCD16X2	1X16	HG1	LCD 16X2
1		ATMEGA328P-PU	DIP794W53P254L3467H457Q28N	IC1	MICROCHIP - ATMEGA328P-PU. - MICROCONTROLLER MCU, 8 BIT, ATMEGA, 20MHZ, DIP-28
1	SN74HC595N	SN74HC595N	DIP794W53P254L1930H508Q16N	IC2	8-Bit Shift Registers With 3-State Output Registers
2	IR2101SPBF	IR2101SPBF	SOIC127P600X175-8N	IC3, IC4	Gate Drivers HI LO SIDE DRVR 600V 130mA 50ns
1	OPA2376AIDRG4	OPA2376AIDRG4	SOIC127P600X175-8N	IC5	Precision Amplifiers Prec Lo Noise Lo Quies Current Op Amp
1		AVR_SPI_PROG_3X2PTH	2X3	J1	AVR ISP 6 Pin
1	POWER_JACKPTH	POWER_JACKPTH	POWER_JACK_PTH	J2	Power Jack
1		PINHD-2X4	2X04	JP1	PIN HEADER
1	DC 24	Motor	775 Model	M1	Motor Spindel
4	IRFZ34NPBF	IRFZ34NPBF	TO254P469X1042X1967-3P	Q1, Q2, Q3, Q4	N-channel MOSFET,IRFZ34N 26A 55V
1	16MHZ	XTAL/S	QS	QZ1	CRYSTAL
1	200	R-US_R1206	R1206	R1	RESISTOR, American symbol
2	10	R-US_R1206	R1206	R12, R13	RESISTOR, American symbol
4	2	R-US_0207/7	0207/7	R14, R15, R18, R19	RESISTOR, American symbol
2	50	R-US_0207/7	0207/7	R16, R17	RESISTOR, American symbol
1	240	R-US_R1206	R1206	R2	RESISTOR, American symbol
2	0,01	R-EU_R2512	R2512	R20, R21	RESISTOR, European symbol. Yago 0R01 10 mOm
2	10 Mom	R-US_R1206	R1206	R22, R23	RESISTOR, American symbol
2	95-100 kOm	R-US_R1206	R1206	R24, R25	RESISTOR, American symbol
1	11,7	R-US_R1205	R1205	R26	RESISTOR, American symbol
1	2,2khom	R-US_R1206	R1206	R3	RESISTOR, American symbol
1	30k	R-US_R1206	R1206	R4	RESISTOR, American symbol
1	TRIMM_POT	TRIMM_POT	TRIMM_POT	R5	
3	100	R-US_R1206	R1206	R6, R9, R11	RESISTOR, American symbol
3	220	R-US_R1206	R1206	R7, R8, R10	RESISTOR, American symbol
1	SWITCH	MOMENTARY-SWITCH-6.0MM	TACTILE_SWITCH_PTH_6.0MM	S1	Momentary Switch (Pushbutton) - SPST
3		TAC_SWITCH_SPECIAL	TACTILE-SPECIAL_PTH	S2, S3, S4	Tac Switch
1	V_REG_317SMD	V_REG_317SMD	SOT223	U	Voltage Regulator
1	LM1117GS-5.0	V_REG_LM1117SOT223	SOT223	U1	Voltage Regulator LM1117
1	DG340MY"	DG340MY"	1X02_3.81_SCREWTERM	X1	
1	BZV55C3V6-TP	BAQ33GS08	smd(mils)	Z	Zener Diodes 3.3V 0.152A
Resistors 22,23,24,25 can be selected deoending on the motor model					