

Sheet1

Qty	DigiKey Part	Part	Description
1	n/a	RoboProp PCB	
1	n/a	uSD connector	
1	n/a	6.25MHz xtal	crystal
3	SAM1035-03-ND	1x3M	power selection jumpers
1	SAM1035-04-ND	1x4M	i2c header
1	SAM1035-05-ND	1x5M	H-COMM connector
12	TSW-108-07-T-S	1x8 M header	
3	S7008-ND	1x10F header	EXP connectors
1	609-3936-ND	2 screw terminal	
1	A100204-ND	DIP8 socket	
1	A100206-ND	DIP16 socket	for ADC
1	3M5471-ND	DIP40 socket	
1	450-1609-ND	SPDT mini sw	could be 2 pin header
4	not incl	sense resistors	current sense resistors for L298 (optional)
1	P470BACT-ND	470R	power LED current limiting resistor
25	CF18JT2K20CT-ND	2k2 5% R	Servo/5V input current limiting resistors
3	CF18JT10K0CT-ND	10k	Pull-up resistors
2	CF18JT47K0	47k	weak pullups for L298 (optional)
1	4606X-1-103LF-ND	SIL 5R 6pin 10k	resistor network
12	490-5380-ND	100nF	capacitor
1	P951-ND	33uF elec	capacitor for CPU
8	P5137-ND	47uF elec	capacitor
3	811-2018-ND	1uH coils 1A+	
1	MUR420GOS-ND	MUR420G	4A rectifier
8	1N5818GOS-ND	1N5818	protection diodes, L298 (optional)
1	754-1200-ND	LED	power LED
1	NCP7805TGOS-ND	LM7805	voltage regulator
1	296-16005-2-ND	LM1117-3.3	SOT23? Smt vreg
1	497-1395-5-ND	L298	dual h-bridge
1	24LC512-I/P-ND	24LC512	
1	MCP3208-CI/P-ND	MCP3208	dip ADC
1	P8X32A-D40-ND	P8X32	Propeller