

### ELEC291 ST1 2023 Lab Kit - List of Components

Item #	Qty	Manufacturer	Manufacturer Part #	Component Description
1	1	Arduino	A000066	ARDUINO UNO R3 ATMEGA328P
2	1	OSEPP	LCD-01G	16x2 LCD Display
3	4	Micro Commercial Co	2N3906-AP	TRANS NPN 40V 0.2A TO92
4	4	Micro Commercial Co	2N3904-AP	TRANS PNP 40V 0.2A TO92
5	3	Texas Instrument	TL081ACP	IC OPAMP JFET 1 CIRCUIT 8DIP
6	2	Texas Instrument	SA555P	IC OSC SINGLE TIMER 100KHZ 8-DIP
7	1	Adafruit Industries LLC	711	STANDARD MOTOR 9100 RPM 6V
8	2	TT Electronics BI	P160KN-0QD15B1K	POT 1K OHM 1/5W PLASTIC LINEAR
9	2	STMicroelectronics	LM317T	IC REG LINEAR POS ADJ 1.5A TO220
10	2	KEMET	C330C105K5R5TA7301	CAP CER 1UF 50V X7R RADIAL
11	2	KYOCERA AVX	SR205C104JAA	CAP CER 0.1UF 50V X7R RADIAL
13	2	C&K	PTS645SL50-2 LFS	SWITCH TACTILE SPST-NO 0.05A 12V
14	2	Adafruit Industries LLC	161	PHOTO CELL (CDS PHOTORESISTOR)
15	1	TE Connectivity	GA10K3A1IA	THERMISTOR NTC 10KOHM 3976K BEAD
16	1	Adafruit Industries LLC	64	BREADBOARD TERM STRIP 3.40X2.20"
17	1	Assmann WSW	AK672/2-2-BLACK	CBL USB2.0 A PLUG TO B PLG 6.56'
18	1	RP Electronics	150-901	9V Battery Clip
19	4	Diodes Incorporated	1N4005-T	DIODE GEN PURP 600V 1A DO41