



Electrical and
Computer
Engineering

ECE Second-year Tools and Parts Kit

Student Name: _____

E-mail: _____



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

List of items included in the ECE Second-year Tools and Parts Laboratory Kit:

Table 1

Item #	Quantity	Manufacturer	Manufacturer Part Number	Description
1	1	Circuit-Test	MB-830	Breadboard, 95x183mm, 830 Holes
2	1	RP Electronics	BRD	Solderable Breadboard - 47 x 179mm, 830 points
3	1	Circuit-Test	CT-160	Wire Stripper
4	1	Circuit-Test	ST-2	Long Nose Pliers
5	1	Circuit-Test	CT-710	Mini Screwdriver set
6	1	Circuit-Test	CT-140	Shear Cutter 5"
7	3	Circuit-Test	150-310W	HOLDER BATTERY 1CELL AA 6"LEAD
8	1	CUI Inc.	PJ-102A	CONN PWR JACK 2X5.5MM SOLDER
9	1	RP Electronics	370-213-2	Red & Black Banana plugs
10	1	RP Electronics	33-412-1	Red Alligator clip
11	1	RP Electronics	33-411-1	Black Alligator clip
12	5	Vishay/Draloric/BC Components	K102K15X7RF53H5G	K 50V 1NF 10% X7R BULK GREEN AUT
13	5	TDK Corporation	FA18C0G2A103JRU06	CAP CER 10NF 100V COG/NP0 RADIAL
14	10	KEMET	C322C104J5R5TA	CAP CER 0.1UF 5% 50V X7R RADIAL
15	5	Murata Electronics	RDER71H105K2M1H03A	CAP CER 1UF 50V X7R RADIAL
16	2	KYOCERA AVX	RPA1010221M035K	CAP ALUM POLY 220UF 20% 35V TH
17	2	KEMET	ESK107M025AE3EA	CAP ALUM 100UF 20% 25V RADIAL
18	2	Nichicon	UVR1E102MPD	CAP ALUM 1000UF 20% 25V RADIAL
19	2	Panasonic Electronic Components	ECA-1EM100B	CAP ALUM 10UF 20% 25V RADIAL
20	3	Bourns Inc.	RLB1014-104KL	INDUCTOR 100MH T/H RADIAL
21	2	Texas Instruments	TL081BCP	IC OPAMP JFET 1 CIRCUIT 8DIP
22	2	Texas Instruments	LM555CN	IC OSC SINGLE TIMER 100KHZ 8-DIP
23	1	STMicroelectronics	L7805CV	IC REG LDO 5V 1.5A TO220AB
24	10	RP Electronics	1N4007-10	1N4007 - Diode 1A 1000V
25	10	Würth Elektronik	151031SS04000	LED RED DIFFUSED 3MM ROUND T/H
26	2	RP Electronics	ICSM-8	DIP SOCKET, 8POS, VERTICAL THD, 2.54MM
27	1	RP Electronics	GB-401	Resistor Kit, 10pcs of ea: 10, 51, 100, 1k, 2k, 3k, 3.9k, 5.1k, 10k, 100k
28	1	Uline	S-7022	Safety Glasses over prescription Glasses
29	1	Circuit-Test	MB-968	JUMPER WIRE M TO F 200mm 24AWG - 20 wire
30	1	Circuit-Test	MB-966	JUMPER WIRE M TO M 200mm 24AWG - 20 wire
31	1	Circuit-Test	10-HS22K6-25	22AWG Solid Hookup Wire kit w/ dispenser
32	1	Circuit-Test	SR-360	Lead Free Silver Solder - 1.0mm, 12g Tube
33	1	CTS Electrocomponents	206-4	SWITCH SLIDE DIP SPST 50MA 24V
34	2	TE Connectivity	FSM2JRT	SWITCH TACTILE SPST-NO 0.05A 24V
35	4	Texas Instruments	SN74HC00N	IC GATE NAND 4CH 2-INP 14-DIP
36	2	Texas Instruments	SN74HC04N	IC HEX INVERTER 14-DIP
37	1	Texas Instruments	CD74HC173E	IC FF D-TYPE SNGL 4BIT 16DIP
38	1	Circuit-Test	150-901	STRAP BATT ECON 9V I STYLE 4"LD
39	1	Circuit-Test	10-HT22-BK/RD-2	2m of Red and Black 22 AWG (7 x 30) Stranded Wire