



Electrical and
Computer
Engineering

ELEC291 2020 WT2
Projects Kit

Student Name: _____

E-mail: _____



a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

List of items included in the ELEC291 2020 WT2 Projects kit:

Item #	Quantity	Manufacturer	Manufacturer Part Number	Description
1	1	STMicroelectronics	LM335Z	SENSOR ANALOG -40C-100C TO92-3
2	8	TE Connectivity / P&B	FSM2JRT	Tactile Switches TACTILE SWITCH 12VDC 1.57N
3	4	Vishay Beyschlag/Draloric/BC Components	K470J15C0GF5TL2	CAP CER 47PF 50V COG/NPO RADIAL
4	4	Vishay Beyschlag/Draloric/BC Components	K101K10X7RF5UH5	CAP CER 100PF 50V X7R RADIAL
5	4	Vishay Beyschlag/Draloric/BC Components	K471K10X7RF5UH5	CAP CER 470PF 50V X7R RADIAL
6	4	Vishay Beyschlag/Draloric/BC Components	K102K10X7RF5UH5	CAP CER 1000PF 50V X7R RADIAL
7	4	Vishay Beyschlag/Draloric/BC Components	K472K10X7RF5UH5	CAP CER 4700PF 50V X7R RADIAL
8	4	Vishay Beyschlag/Draloric/BC Components	K103K10X7RF5UH5	10000pF ±10% 50V Ceramic Capacitor X7R Radial
9	4	Vishay Beyschlag/Draloric/BC Components	K473K10X7RF5UH5	CAP CER 0.047UF 50V X7R RADIAL
10	4	Vishay Beyschlag/Draloric/BC Components	K474K20X7RF5TH5	CAP CER 0.47UF 50V X7R RADIAL
11	4	Vishay Beyschlag/Draloric/BC Components	K105Z20Y5VF5TH5	CAP CER 1UF 50V Y5V RADIAL
12	4	ON Semiconductor	MBR150RLG	DIODE SCHOTTKY 50V 1A AXIAL
13	1	Texas Instruments	LMC7660IN/NOPB	IC REG CHARGE PUMP INV 8DIP
14	2	Texas Instruments	LM393P	IC DUAL DIFF COMP 8-DIP
15	1	Winbond Electronics	W25Q32JVDAIQ	IC FLASH 32M SPI 133MHZ 8DIP
16	4	Lumex Opto/Components Inc.	SSL-LX5093LGD	LED GREEN DIFFUSED T-1 3/4 T/H
17	1	Texas Instruments	LM386N-3/NOPB	IC AMP CLASS AB MONO 700MW 8DIP
18	1	Microchip Technology	ATMEGA328P-PU	IC MCU 8BIT 32KB FLASH 28DIP
19	1	CTS-Frequency Controls	ATS16B	CRYSTAL 16.0000MHZ 18PF TH
20	3	Microchip Technology	MCP1700-3302E/TO	IC REG LINEAR 3.3V 250MA TO92-3
21	1	Microchip Technology	PIC32MX130F064B-I/SP	IC MCU 32BIT 64KB FLASH 28SDIP
22	1	Texas Instruments	MSP430G2553IN20	IC MCU 16BIT 16KB FLASH 20DIP
23	1	Citizen Finedevice Co Ltd	CFS-20632768DZYB	CRYSTAL 32.7680KHZ 7PF TH
24	1	Bourns Inc.	PV36W103C01B00	TRIMMER 10K OHM 0.5W PC PIN TOP
25	3	Texas Instruments	TL072IP	IC OPAMP JFET 2 CIRCUIT 8DIP
26	1	RP Electronics	SPE57-1-32	2.25" Speaker, 1W, 32 Ohm
27	1	Lumex Opto/Components Inc.	LCM-S01602DTR/M	LCD MOD 32 DIG 16 X 2 REFLECTIVE
28	1	Remington Industries	28SNSP.125	Magnet Wire, 28 AWG Enameled Copper, 2oz, 253'
29	1	ECE UBC	EFM8	Custom made Microcontroller board
30	1	ECE UBC	BO23XS	Custom made USB-Serial board

Table 1