

Bill Of Materials for: PRACTICUM GROUP THREE

Last modified: December 6th, 2022

PCB version: One

BOM revision: ONE P/NP = Place/Not Place (components marked NP are not stuffed on the board)

Cnt	Part References	P/NP	Mfg	Mfg PN	Description	Dist	Dist Part Number	Cost Ea.	Cost Total
1	MP1	P	Arduino	1050-1024-ND	Arduino Uno REV3 [A000066]	Amazon	A000066	\$28.50	\$28.50
1	SW_SPST	P	E-Switch	EG1218	3 Pin Verticle Slide Switch	Digi-Key	EG1903-ND	\$0.76	\$0.76
1	DISP	P	HiLetgo	03-01-1498	SPI Serial Interface Adapter 1602 LCD Display	Amazon	B07W5KC65S	\$9.99	\$9.99
2	BS	NP	Duracell	9V-MN1604	Battery 9V Alkaline	Digi-Key	3046-9V-MN1604-ND	\$2.46	\$4.92
1	CLP	P	Keystone Electronics	2242	9V Battery Clip Connector to Breadboard	Digi-Key	36-2242-ND	\$1.16	\$1.16
1	SW1	P	Taiss	KY-040	Rotary Encoder Module with Knob	Amazon	673257216465	\$9.99	\$9.99
4	CLP	P	Keystone Electronics	232	BATT CONN SNAP 9V 1 CEL 4" LEADS	Digi-Key	36-232-ND	\$0.55	\$2.20
2	N/A	P	Preci-dip	801-87-032-10-001101	Dupoint header pins (straight)	Mouser	437-8018703210001101	\$3.26	\$6.52
2	N/A	P	Preci-dip	801-87-036-20-001101	Dupoint header pins (90 degree)	Mouser	437-8018703620001101	\$5.28	\$10.56
1	WIR	NP	ELEGOO	EL-CP-004	Breadboard Wire Male-Male Male-Female Female-Female	Amazon	B01EV70C78	\$6.98	\$6.98
4	PCB	P	OSH Park	--	PCB Boards	Oshpark	--	\$9.00	\$36.00
								TOTAL:	\$117.58

VERSION INFO

Rev	Date	Notes
1.Or1	2022-12-07	Finalizing for presentation
1.Or0	2022-11-09	Cleaned up parts, rough draft of board