

- Cost Estimate Table

Component	Quantity	Unit Cost	Purchase Link	Total Cost
ATMega328P Microcontroller	1	\$4.47	https://www.digikey.ca/en/products/detail/microchip-technology/ATMEGA328P-PU/1914589	\$4.47
KY-023 Joystick Module	1	\$4.95	https://secure.sayal.com/STORE4/productdetails.php?SKU=262361&utm_source=google	\$4.95
MPLAB Snap Debugger	1	\$15.30	https://www.digikey.ca/en/products/detail/microchip-technology/PG164100/9562532	\$15.30
AVR programming Adapter	1	\$32.09	https://www.microchip.com/en-us/development-tool/AC31S18A	\$32.09
16x2 HD44780 LCD Display	1	\$10.95	https://www.adafruit.com/product/1447	\$10.95
CT-94 EY103 Potentiometer	1	\$3.45	https://www.digikey.ca/en/products/detail/nidec-components-corporation/CT-94EY103/738422	\$3.45
6V AC Wall Adapter	1	\$16.22	https://www.digikey.ca/en/products/detail/triad-magnetics/WDU6-600/6819576	\$16.22
MCP1702 Voltage Regulator	1	\$1.01	https://www.digikey.ca/en/products/detail/microchip-technology/MCP1702-3002E-TO/1098462	\$1.01
47uF Capacitor	2	\$0.15	https://www.digikey.ca/en/products/detail/w%C3%BCrth-elektronik/860020472006/5727060	\$0.30

Total Cost:

\$88.74