

Component	Amount	Price (CAD\$)	Role	Supplier
Leonardo R3	x1	18.00	Brain of our product	<a href="#">Amazon</a>
Joysticks	x1	5.99	Analog stick on our product	<a href="#">Amazon</a>
Keyswitches	x1	8.55	Primary inputs for our mouse	<a href="#">Amazon</a>
Vibration Motor	x1	11.37	Provides haptic feedback	<a href="#">Amazon</a>
LEDs	x1	26.99	Lights for visual feedback	<a href="#">Amazon</a>
Breadboard	x1		Breadboard for prototyping	
Buttons	x1		Buttons for side mouse buttons	
Power Supply Module	x1		Power supply to power the device	
Wires	x1		Wires to connect components	
Resistors	x1		Resistors to prevent overloading components	
Mouse Wheel Encoder	x1	11.26	The encoder is for the arduino to recognize scroll wheel inputs	<a href="#">Amazon</a>
Clear Filament	x1	9.49	Clear filament to make a semi transparent layer of the mouse to allow the lights to shine through for visual feedback.	<a href="#">Amazon</a>
Mouse (for the optical sensor)	x1	11.99	A mouse I can take the optical sensor out of because there aren't any reasonable shipping times for just the component. The sensor is for the mouse input of the cursor or camera	<a href="#">Amazon</a>

			movement in games	
Electrical Tape	x1	6.85	Connect wires to components or wires to wires.	<a href="#">Amazon</a>
	Total:	103.64		

Number	Item	Amount	Part Number	Description	Material
1	Leonardo R3	x1	KE-0011	The brain of our mouse	Silicon
2	Joysticks	x1	EL4-Xbox	Analog Stick	Steel
3	Keyswitches	x4	Serounderrpg29vadzo	Buttons that server as left and right clicks and additional inputs	Plastic
4	Vibration Motor	x1	ViaGasaFamidoi0xahocpbr-02	Haptic feedback	Stainless Steel
5	LEDs	x2	LYSB01ER728F6-ELECTRNCS	Diodes for visual feedback	Plastic
6	Buttons	x3	GR-US-094	Side mouse buttons	Steel
7	Resistors	x2	B09ZYBC3PK	Prevent overloading components	Carbon
8	Mouse Wheel Encoder	x1	WERPS-7MM-5-RE	Tracks the position of the scroll wheel	steel
9	Optical Sensor	x1	ADNS-2051	Tracks position of the mouse	Silicon
10	Optical Sensor Lens	x1	15	Improves accuracy of the optical sensor	plastic

11	Mouse wheel	x1	B09M75DNZ2	User input that interacts with the mouse wheel encoder	Plastic
12	Key Caps	x4	009286362	Caps that go on key switches to allow for easier access to those inputs	ABS plastic
13	Mouse Top	x1	12345678	Top half of the shell that houses the components.	PLA
14	Mouse bottom	x1	87654321	Bottom half of the shell that houses the components.	Clear PLA