

Bill of Materials				
Components	Quantity	Cost	Part #	Image
CPB	1	\$ 24.95	1	
AAA Battery Pack	1	\$ 1.95	2	
1" X 1" Breakout Board	1	\$ 1.23	3	
12" Ethernet Cable	1	\$ 0.14	4	
55mm Female Spectra Flex Sensor	3	\$ 47.79	5	
18K Resistor	9	\$ 0.90	6	
12" Velcro	1	\$ 0.38	7	
4" Velcro	3	\$ 0.18	8	
Left Glove	1	\$ 10.00	9	
Right Glove	1	\$ 10.00	10	
Micro USB Cable	1	\$ 1.25	11	
Total		\$	98.77	

Link

<https://www.adafruit.com/>
<https://www.adafruit.com/>

<https://www.spectrasymbol.com/>

<https://www.amazon.com/>

This sheet contains the bill of materials for the wearable glove project. Some important notes will be listed here:

1.) The CPB uses a 2 pin JSP Receptacle. We will provide a Alkaline battery pack but this can be replaced with a lithium 2 pin JSP.

2.) Any two pin flex sensor will work with our design. The Spectra 55mm female housing flex sensor worked best for us. There are cheaper alternatives however they are less reliable.

3.) Our kit will provide you with both a left and right hand glove however most gloves will work with the velcro strips. Nitrile gloves were tested and are not recommended the velcro does not adhere well.

4.) The ethernet cable type is not important we just found the tiny awg wire worked well with our design. You can use any type of wire in place of this or cut up any old ethernet cable.

We also would like to note some suggested distributors for the components if you are not buying a kit:

Part Numbers (1,2): Adafruit

Part Numbers (3,4,7,8,9,10): Amazon

Part Numbers (5): Spectra Symbol

Part Numbers (6): DigiKey