Parts List: Note that [prices] are for individual items but often only available in quantities.

1) Raspberry Pi Zero - pre-soldered GPIO Headers [25.98]

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# 2) SanDisk 32 GB micro SD Memory Card [$13.65/ea.]

# 3) Assembled Pi Cobbler with Breakout Cable [$10.33]

# 4) [5V 1 Channel Relay Module with optocoupler Supports High or Low Level Trigger](https://www.amazon.com/gp/product/B00LW15A4W/ref=ppx_yo_dt_b_asin_title_o05_s00?ie=UTF8&psc=1) [$2.89]

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# 5) [DC to DC Converter 3.0-40V to 1.5-35V Power Supply Step Down Module](https://www.amazon.com/gp/product/B07JNQFV7F/ref=ppx_yo_dt_b_asin_title_o09_s00?ie=UTF8&psc=1) [$1.09]

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# 6) SPST Push Button Switch Red Momentary-On Normally Open [$2.25]

# 7) IR Infrared Obstacle Avoidance Sensor Module [$0.80/ea.]

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# 8) 10mm RGB LED with 56 Ohm Resistors [$0.06/ea.]

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# 9) 5mm Yellow Blinking LED Resistors Included [$0.09]

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# 10) 1 ½ PVC pipe cap [$1.43]

# 11) 5mm x 150mm aluminum shaft [$0.69]

# 12) [Rigid Flange 5mm](https://www.amazon.com/gp/product/B077XBDX4Y/ref=ppx_yo_dt_b_asin_title_o01_s00?ie=UTF8&psc=1) [$1.82/ea.]

# 13) Roller Lever Micro Switch SPDT 3 Pins [$0.39]

# 14) 3V 10mm Flat Micro vibrator motor for cell phone [$0.60/ea.]

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# 15) Gear Reduction Robot Motor 3-12V DC 70mA [$1.69]

# Miscellaneous:

# Monitor, keyboard, & mouse

# USB OTG Hub for Raspberry Pi Zero 4 Port High Speed [$6.99]

# 30 AWG Flexible Silicone Wire Electric wire 30 gauge Copper Hook up Wire 300V Cables electronic stranded wire [$13.23]

# permanent breadboard

# polycarbonate sheeting

# Plexiglas sheeting

# clear vinyl aquarium hose

# 1” aluminum angle

# 2” aluminum angle

# 6-32 & 4-40 machine screws (aluminum or stainless steel)

# Mini USB connector

# Dupont connectors

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