**Vibration motor:**

* Link [5PCS 10x2mm Micro DC Vibrating Motor, DC 3V 80mA 11000±2500rpm Flat Coin Button-Type Mini Vibration Motor for Smart Cell Phone Pager Tablet(27m)]: <https://www.amazon.ca/dp/B089NTLLWB/?coliid=I3SHLB6QTZHJKF&colid=19ZIG9ZNK2RJU&psc=1&ref_=lv_ov_lig_dp_it>
* Description:
  + Rated voltage: 3.0V DC
  + Operating voltage range: 2.3-4.0V DC
  + Direction of rotation: CM (clockwise) or CCW (counterclockwise)
  + Rated speed: 11000 ± 2500rpm
  + Rated current: 80mA Max
  + Starting current: 120mA Max
  + Starting voltage: 2.3V DC Max
  + Insulation resistance: 100MΩ Min
  + Bottom deflection intensity: 9.8N
  + Mechanical noise: <50dB
  + Background noise: <28dB (at rated voltage)
  + Operating environment: -20~60, Ordinary humidity
  + Storage environment: -30~70, Ordinary humidity
  + Diameter: 10mm
  + Height: 2mm
  + Optional size: 20/27/30/34mm

**Force Sensing Resistor:**

* Link [2Pcs Thin Film Pressure Sensor, High Precise Force-Sensitive Resistor Force Sensor Pressure Sensor Resistance-Type Thin Film Pressure Sensor, Force Sensing Resistor]: <https://www.amazon.ca/dp/B07T1CHY58/?coliid=I2BXVPN0XJKUDV&colid=19ZIG9ZNK2RJU&psc=1&ref_=lv_ov_lig_dp_it>
* Description:
  + Model: RP-C10-ST
  + Thickness: 0.4 mm
  + Trigger force: 20 g, triggered when resistance is less than 200 kΩ by default
  + Pressure sensing range: 20 g ~ 2 kg
  + Pressure action mode: Static or dynamic (frequency within 10 Hz)
  + Non-trigger resistance: More than 10 MΩ
  + Activation time: less than 0.01 S
  + Operating temperature: -40 ℃ ~ +85 ℃
  + Lag: +10%, (RF+ - RF-)/FR+, 1000g force
  + Response time: < 10 ms
  + Drifting: <5%, 1Kg force static load 24H
  + Weight: 1g / 0.04oz (approx.)

**Silicone Molding**

* Link [LET'S RESIN Silicone Mold Making Kit Liquid Silicone Rubber Non-Toxic Translucent Clear Mold Making Silicone-Mixing Ratio 1:1-Molding Silicone for Resin Molds,Silicone Molds DIY Manual Making(21.16oz)]: <https://www.amazon.ca/LETS-RESIN-Silicone-Making-Non-Toxic/dp/B07V5FFPWC/ref=pd_sbs_5/146-4764598-8827200?pd_rd_w=EHmp4&pf_rd_p=6b62794c-5c28-477c-b43d-0b3e13e4d3b5&pf_rd_r=6M10TPN63P1DRJPE3RWP&pd_rd_r=4c0c2dec-ce9d-476c-a0fa-1ec1a55e39f8&pd_rd_wg=2kSPs&pd_rd_i=B07V5FFPWC&psc=1>
* Description:
  + EASY MIXING & POURING: This silicone molds making kit includes part A and part B, the mix ratio is 1:1 by weight. Pour the Part A and Part B together, then stir the silicone rubber for 5 minutes, make sure to stir the liquid rubber mixture thoroughly for better results. The working time is 5 minutes at room temperature.
  + NO BUBBLES: The bubbles of liquid silicone will automatically disappear within 2 hours; no vacuum degassing is necessary. The working time of making mold kit is 5 minutes at room temperature and the complete cure time is at least 12 hours at room temperature, it varies on your mold size and thickness. If it's s little sticky, please extend the curing time of silicone rubber

**Silicone Resin Tool Kit**

* Link [Silicone Resin Measuring Cups Tool Kit, Reusable Nonstick Silicone Mat, 100ml Silicone Measuring Cups, Finger Cots, Resin Mix Cup, Stir Stick Pipette (29PCS)]: <https://www.amazon.ca/dp/B08V515WJF/ref=sspa_dk_detail_2?pd_rd_i=B08V515WJF&pd_rd_w=9Zozb&pf_rd_p=a2b32c5b-02b0-4273-a3c7-c6bfabb067a2&pd_rd_wg=7xj4c&pf_rd_r=XPAAMCDKMT3XWRBMZHWA&pd_rd_r=e0316371-c8f5-4904-a0ce-ecf62129b311&s=kitchen&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUExSkpIRVlYUU5MUzg4JmVuY3J5cHRlZElkPUEwNzUzOTc2Mk5HUTdCU0JKQzZZUCZlbmNyeXB0ZWRBZElkPUEwOTAzNTU3MzVMTFpEOE5WMEtKUCZ3aWRnZXROYW1lPXNwX2RldGFpbCZhY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRydWU&th=1>
* Description:
  + 1Pcs Reusable Nonstick Silicone Mat,
  + 2Pcs 100ml Silicone Measuring Cups,
  + 10Pcs Finger Cots,
  + 4Pcs Resin Mix Cup,
  + 10Pcs Stir Stick Pipette,
  + 2Pcs Mixing Sticks

**Potentiometers**

* Link [Cylewet 6Pcs B2K B5K B10K B20K B50K B100K Ohm Knurled Shaft Linear Rotary Taper Potentiometer with Rotary Knob Cap for Arduino (Pack of 6) CLT1066]: <https://www.amazon.ca/Cylewet-Knurled-Potentiometer-Arduino-CLT1066/dp/B07DFHXCZZ/ref=sr_1_1?dd=c04fGJKjKTLM_GOB3i0bXQ%2C%2C&keywords=potentiometer&qid=1644095990&refinements=p_90%3A11828088011&rnid=11828086011&sprefix=potent%2Caps%2C128&sr=8-1>
* Description:
  + Resistance Value: 2K/ 5K/ 10K/ 20K/ 50K/ 100K Ohm
  + Adjustment Type: top adjustment; Type: single linear (Type B); Features: knurled shaft
  + Diameter of Shaft: 6mm/0.23in; Length of Shaft: 15mm/ 0.59in
  + Rotary Knob Cap: 15mm/ 0.59in (Diameter); 17mm/ 0.67in(Height); 6mm/ 0.24in(inner diameter)
  + Material: metal

**Diodes**

* Link [10V 200Pcs Diodes Box Set, 1N4001~1N5819 Zener Diode Combination Electronic Kit, Germanium Diode Kit with Transparent Box]: <https://www.amazon.ca/Regulator-Assortment-Electronic-1N4001-1N4007-1N5817-1N5819/dp/B07CJMBMJS/ref=sr_1_3?crid=20YUJ66D5N0EQ&dd=c04fGJKjKTLM_GOB3i0bXQ%2C%2C&keywords=diode&qid=1644096042&refinements=p_90%3A11828088011&rnid=11828086011&sprefix=diode%2Caps%2C388&sr=8-3>
* Description:
  + EXCELLENT PERFORMANCE: These diodes are low leakage and forward pressure drop, low power consumption, high efficiency.
  + 10 VALUE 200 PCS: 1N4001, 1N4002, 1N4003, 1N4004, 1N4005, 1N4006, 1N4007, 1N5817, 1N5818, 1N5819 each 20pcs diode box set.
  + APPLICABLE CROWD: The germanium diode for electronic professionals or enthusiasts, these are all kinds of diodes.
  + SCOPE OF APPLICATION: The capacitor kit is convenient for DIY and maintenance equipment and electrical appliances for home, office and industry.
  + WITH TRANSPARENT BOX: All diodes are packed correctly and placed in a transparent box for classification for convenient storage. There is a label on the box, so you can easily determine the type of diode you need.

**Single Core Copper Wire**

* Link [TUOFENG 22 awg Solid Wire-Solid Wire Kit-6 Different Colored 30 Feet/9M spools 22 Gauge Jumper Wire- Hook up Wire Kit]: <https://www.amazon.ca/TUOFENG-Wire-Solid-Different-Colored-spools/dp/B086WF1WD1/ref=sr_1_16?crid=JWHL31OTYQ8E&keywords=copper+wire+tuofeng&qid=1646075488&sprefix=copper+wire+tuofeng%2Caps%2C107&sr=8-16>
* Description:
  + Conductor AWG: 22
  + Conductor Material: Tinned Copper
  + Conductor Construction: Solid 1×0.65±0.008mm²
  + Insulation: PVC(Polyvinylchloride)
  + Over Dia.: 1.55±0.1mm
  + Temperature Rating: -40 degrees C to 80 degrees C.
  + Rated Voltage: 300V
  + FLAME TEST: VW-1
  + Packaging: 6 different colored 30 Feet spools

**Dupont Connector Kit**

* Link [Hilitchi 635 Pcs 40 Pin 2.54mm Pitch Single Row Pin Headers, Connector Housing Female, Male/Female Pin Kit for Dupont Wire Connectors]: <https://www.amazon.ca/Hilitchi-2-54mm-Headers-Connector-Housing/dp/B014YTPFT8/ref=sr_1_6?crid=1QENBOG6N473F&keywords=wire+ferrule+arduino&qid=1645569293&s=industrial&sprefix=wire+ferrule+arduino%2Cindustrial%2C99&sr=1-6>
* Description:
  + 2.54mm 1x1P Connector Housing Female x 20Pcs
  + 2.54mm 1x2P Connector Housing Female x 20Pcs
  + 2.54mm 1x3P Connector Housing Female x 20Pcs
  + 2.54mm 1x4P Connector Housing Female x 20Pcs
  + 2.54mm 1x5P Connector Housing Female x 20Pcs
  + 2.54mm 1x6P Connector Housing Female x 20Pcs
  + 2.54mm 1x7P Connector Housing Female x 20Pcs
  + 2.54mm 1x8P Connector Housing Female x 20Pcs
  + 2.54mm 1x9P Connector Housing Female x 15Pcs
  + 2.54mm 1x10P Connector Housing Female x 20Pcs
  + Jumper Wire Cable Female Pin Connector x 210Pcs
  + Jumper Wire Cable Male Pin Connector x 210Pcs
  + 10Pcs x 40 Pin 2.54mm Single Row Male Header for Arduino Prototype Shield.
  + 10Pcs x 40 Pin 2.54mm Pitch Single Row Right Angle PCB Pin Headers.

**Crimping Tool**

* Link [Hilitchi Professional Pin Crimping Tool 2.54mm 3.96mm 28-18awg 0.1-1.0mm² for Dupont Terminals with Wire-Electrode Cutting Die Insulated Terminal Crimper/Stripper/Cutter Tool]: <https://www.amazon.ca/Hilitchi-Professional-0-1-1-0mm%C2%B2-Terminals-Wire-electrode/dp/B016B39EPQ/ref=pd_bxgy_img_1/146-4764598-8827200?pd_rd_w=uO75q&pf_rd_p=19eafb8a-881a-44bb-9725-85a79b8c53d4&pf_rd_r=D7KF2RQDFDDB8DJPDPJX&pd_rd_r=16ccfc79-4ce8-41d8-981e-8eace70878f2&pd_rd_wg=Fpe3r&pd_rd_i=B016B39EPQ&psc=1>
* Description:
  + AWG: 28-18
  + 0.1-1.0m㎡
  + For 2.54mm 3.96mm KF2510 connector
  + Wire-electrode cutting die sets promise a high-precision crimping result.
  + Length: 190mm/7.4inch
  + Weight: 384g/13.5oz