

<b>Part</b>	<b>Part Number</b>	<b>Unit Cost</b>	<b>Quantity</b>	<b>Total Cost</b>
3.7V 1000mAh LiPo Battery	803040	\$7.89	1	\$7.89
5V1A USB Power Supply		\$6.99	1	\$6.99
USB to USB-C Cable		\$1.00	1	\$1.00
3.7V to 5V DC-DC Boost Converter		\$0.87	1	\$0.87
Battery Protection Board	TP4056	\$2.00	1	\$2.00

Arduino Nano V3.0	ATmega328P/C	\$6.00	1	\$6.00
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Mini breadboard		\$0.83	1	\$0.83
3mm Toggle Vertical Slide Switch	SS12D00G	\$0.10	1	\$0.10
N-Channel MOSFET	FQP30N06L	\$0.90	1	\$0.90
Schottky Diode	1N5819	\$0.13	2	\$0.26
Vibration Motor	FIT0774	\$0.99	1	\$0.99
220 Ohm Resistor		\$0.08	3	\$0.24
10k Ohm Resistor		\$0.08	1	\$0.08
<b>Total</b>		16	28.1452833	

## Amazon Link

## Datasheet

Rechargeable-Lithium-Connector/dp/B07BTWK13N/ref=sr\_1\_6?crid=2Z9H89NEE2YGV& dib=eyJ2ljoimSJ9.TRe8P268IKsK9fmio-UTvd2rYJ7pG80WvJv2A77oz-SHM9GE-vCqdlhJhtG7syXT6Tvpho7NO7JFN\_gNIAvvsTNjNzdjCh-dZ8FaQXvSt6DSs05a6AOErCfzqAQxQuszmztgpaa mygqv\_6lTGRaxBpI33WXJJOqpxgbOyqm6K2oV4NcmEqzsvh7RbfUfxRKisZCuf7oD3VTIH7nwjesmabm ZCc19YdViVbif42\_cVYIAdfPK2O\_SveuKEtdzC87nBuauPcJx-tZsTwZD3aRQLuXdCPI3e84IC\_eX4.H2Jy9vpea1E2Bj03IDKCVZUqZgEd\_0ouvJ1L6SogVk&dib.\_tag=se&keywords=lipo%2B1000mah%2B3.7&qid=1761685702&sprefix=lipo%2B1000mah%2B3.7%2Caps%2C103&r=8-6&t=h=1

Charging-Universal-Portable/dp/B0BWNS71CT/ref=sr\_1\_4?crid=2E85N9Y5SM9PO& dib=eyJ2ljoimSJ9.AMuotGAHDU71F7QWpodbm6L17mcaOakspPcclsQ0WYXxhSEj-olC80S24LSRgbW1KfGhNGA7ujZg1L1Df1LsLjhX1Q5GQ1-g\_w0xq4ttan0LWZ2y0sujxcvQkTxBlLzxWsMHg6f9GOX5CFKgYCpXYmlfAHBvcRoP-ZEfSuGXmhYJPUIuEUY713IEAV7gwkiq419LHY1zhxR0VAvl4GSJUW-swn07uQqylcq0mojO7s.rS\_-ey3i1hQRkuA7mFFCxzTeVClwHbC0-NuWQfrN4E&dib.\_tag=se&keywords=usb%2Badapter%2B5v&qid=1761710818&sprefix=usb%2Badapter%2B5v%2Caps%2C122&r=8-4&t=h=1

Charger-Compatible/dp/B0DSM7ZG81/ref=sr\_1\_15?crid=3EDZlZ0Z4lNF& dib=eyJ2ljoimSJ9.zlF15feoTot5yJuCMjVHwnnnJ8ANSWc10DjzVylKzNxNzx6Twp\_WzGqxAFG1BFx-Sv6mqNTCLUZnxza6Xbz2CQ5kGMjFJA6Z9pxciBAkw-Xj07mAdvJRNkXm2bjOmqaBrNtrQ0JNV6KK5XLxVm\_vD\_T9Ob7VM-5Q4zSU7N4V-wvE90heXRu0P\_jmG57aTICFQ9rlxBStl3H08j0aWvD9BL8DmD6xt46ez81-IDgzebt28U.nEzel2fXnlVsSgQoaajlsndOjklsVbdQGvppWdJJ6gE&dib.\_tag=se&keywords=usbC+wire&qid=1761687713&sprefix=usbC+wir%2Caps%2C157&r=8-15

Function-Supports-Indicator/dp/B0F6SZ4WSQ/ref=sr\_1\_16?crid=3T8MK4LBVFGS\_J&dib=eyJ2ljoimSJ9.pgt1TW5fGy1xj\_7bNihxFVHXlu9BF8ykWgGxFb87aEY-861N6iDP4C8X0Bo6mSpZh78B62032sEb0Nbe\_JNe0QFPfPn1\_4-RGn5k\_7A8k8To4ariBTNV023Ofk54gmYJJOS\_8RKuG9IKGJCyd9dKohllUV7ji9K0uglu26YAPIG7Fnz411vPRBGwc8671gdOGceeBW\_pojvm02MdYoOmD7MTbusSzokmjP423o.8S1nedzATqozs2mAqV-9JtI0lxFyeFWiG4BYFkDNMn8&dib.\_tag=se&keyword https://docs.cirkitdesigner.com/component/b57f19af-s=3.7v+to+5v+boost+converter&qid=1761708326&s=4b30-4509-b060-8e50cbdff34d/37v+to-12v-mini-dc-prefix=3.7v+to+5v+boost+converter%2Caps%2C180 boost-converter-board-output-5v8v9v12v-dc-step-up-&r=8-16

https://www.amazon.com/HiLetgo-Lithium-Charging-Protection-Functions/dp/B07PKND8KG/ref=sr\_1\_1\_sspa?crid=1061UYSGAHWDM& dib=eyJ2ljoimSJ9.mmqj1134FS87MHz1mUcWVtsZArLPGCvP4eli4lYTOUK3Mz4n8Cj5\_Okf8HeM7fPTOY-IPfJsrhEiM8MRfyA3J4Wdg9eNaA\_9DRieQB5aumOCQrPE3\_6jD-xlIRQi67V1ef2ws\_0rSSv-8w8TJhG4lYTDBzvHYqjAJTZjFGLDh9v42osVMYjORk9rQY2cvku495ZjYRp1aMp3EYOkSheUN-\_ULCZwzv1YjPiKw9M.s6cjz3VdSC5WiG0Ai2tiz4aatqVJIEZYESgcXLp0Xs&dib.\_tag=se&keywords=tp4056&qid=1761710252&sprefix=tp4056%2Caps%2C103&r=8-1-spons&sp\_csd=d2lkZ2V0TmFlZT1zcF9hdGY&psc=1

<a href="https://www.amazon.com/LUIRSAY-2Pcs-ATmega328P-Microcontroller-Compatible/dp/B0F1FQMNXM/ref=sr\_1\_4?crid=76ZQX6IB6Y1N&amp;dib=eyJ2ljoMSJ9.UR9i6Z2D5rlVJlr8NPSrk4ScKU\_7kPKcGi8liQdRxwJBLQddElTs0l1pKh2Fn\_EPZ\_7Kjz9UF02h3kia01xaOxehzys2ebNB1HH9Z2Abz4X67yMALPTBHHb7r-78yrktK6iLOEXGbce-0uY3lTTq8A0fOTThgkcr1I3Oj-tMWYFW4QKOYavByRqFKhuBu0ofGZ99vLniKZrNd2SEkJpq8dVeZrFwR-s3qhs3qEOQxAo.NTHpuX\_l-0cQMFznfMH738wEyCaGlacolNH Aue2ZZsw&amp;dib\_ta g=se&amp;keywords=arduino%2Bnano&amp;qid=1761708700&amp;sprefix=arduino%2Bnano%2Caps%2C101&amp;sr=8-4&amp;rh=1</p>

Pack-Self-  
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