

Part	Part Number	Unit Cost	Quantity	Total Cost
3.7V 1000mAh LiPo Battery	803040	\$7.89	1	\$7.89
5V1A USB Power Supply		\$6.99	1	\$6.99
USB to USBc 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
	Total		16	28.1452833

Amazon Link

Rechargeable-Lithium-Connector/dp/B07BTWK13N/ref=sr_1_6?crid=2Z9H89NEE2YGV&dib=eyJ2ljoIAMSJ9.TRet8P268IKsK9frmio-UTvd2rYJ7pG80WvJv2A77oz-SHM9GE-vCqdlhJhtG7syXT6TVpno7NO7JfN_gNIAvvsTNjNzdjCh-dZ8FaQXvSt6DSs05a6AOErCfzqAQxQuszimtgpaamygqv_6lTGraXbPI33WXJfOqpxgbOyqm6KZoV4NcmEqIzsvh7RbfUfxRKisZCuf7oD3VTIH7nwjesmabmZCcl19lYdViVvYBfi42_cWYIADfPK2O_SveuKEtdzC87nBuauPcJx-tZsTwZD3aRQLuXdCPT3e84IC_eX4.H2Jy9vpea1E2Bj03lDkCVZUqZgEd_0OuvJ1JL6SogVk&dib_tag=se&keywords=lipo%2B1000mah%2B3.7&qid=1761685702&prefix=lipo%2B1000mah%2B3.7%2Caps%2C103&sr=8-6&th=1

Charging-Universal-Portable/dp/B0BWNS71CT/ref=sr_1_4?crid=2E85N9Y5SM9PO&dib=eyJ2ljoIAMSJ9.AMuotGAHDU71F7QWpodmb6Li7mcaOakspPccIsQ0WYXxhSEj-olC80S24LSRgBW1KfGhNGA7uJZg1L1Df1LsLjhX1Q5GQ1-g__w0xq4ttan0LWZ2y0sujxcvQkTxBjLzxWsmHg6f9GOX5CFKgYcPYmIfAHBvcRoP-ZEfSuGXmHyJPULuEUY713IEAV7gwkiq419LHY1zhxR0VAvl4GSLJW-swn07uQqylcq0mojO7s.rS_-ey3i1hQRkuA7mFFCzTeVClwHbC0-NuWQfRnS4E&dib_tag=se&keywords=usb%2Badapter%2B5v&qid=1761710818&sprexif=usb%2Badapter%2B5v%2Caps%2C122&sr=8-4&th=1

Charger-Compatible/dp/B0DSM7ZG81/ref=sr_1_15?crid=3EDZIZ0Z4IINF&dib=eyJ2ljoIAMSJ9.zlF5fEoTtot5yJuCMjVHwnnJ8ANSWc10DjzVyLkZnxNz6Twp_WzGqxAFG1BFx-Sv6mqNTCUZnxza6Xbz2CQ5kGMJfJA6Z9pxciBAkwXj07mAdWJRnKxm2bjOmQbnNrQ0JNV6KK5XLxVmvD_T9Ob7VM-5Q4zSU7N4V-wvE90heXRu0P_jmG57aTICFQ9rlxBStl3H08j0aWvD9BL8DmD6Xt46ez81-IDgzebT28U.nEzej2fLXnlYsSgOaajlsndOjKlsVbdQGvppWdJJ6gE&dib_tag=se&keywords=usbc+wire&qid=1761687713&prefix=usbc+wir%2Caps%2C157&sr=8-15

Function-Supports-Indicator/dp/B0F6SZ4WSQ/ref=sr_1_16?crid=3T8MK4LBVFGSJ&dib=eyJ2ljoIAMSJ9.pgt1TW5fGy1xj_7bNihxlOFVHXlu9BF8yKwGgxFb87aEY-861N6iDP4C8X0Bo6mSpZh78B62032sEb0Nbe_JNe0QFPfPn1_4-RGn5k_7A8k8To4ariBTNV023Ofk54gmYJJOS_8RKuG9IKGJCyd9dKohl11Uv7ji9K0uglu26YAPIG7Fnz411vPRBGwc8671gdOGceeBW_poqjvm0zMdYOOmMd7MTbusSzokmJP423o.8S1nedzATqozs2mAqV-9Jtl0lxFyFWiG4BYFkDNMn8&dib_tag=se&keyword s=3.7v+to+5v+boost+converter&qid=1761708326&s prefix=3.7v+to+5v+boost+converter%2Caps%2C180&sr=8-16

https://www.amazon.com/HiLetgo-Lithium-Charging-Protection-Functions/dp/B07PKND8KG/ref=sr_1_1_ssapa?crid=106lUYSQAHWDM&dib=eyJ2ljoIAMSJ9.mmql1134FS87MHz1mUcWtVsZArLPGCvP4eli4lYTouK3Mz4n8Cj5_Okzf8HeM7fPTOY-IPfJsrhEiM8MRfyA3J4Wd9eNaA_9DRieQB5aumOCQrPE3_6jD-xliRQj67V1ef2wS_0rSSv-8wi8TJhG4tYtDBZvHYqiAJTZfGLDh9v42osVMYjXORk9rQY2cvku495Zj0YRp1aMp3EYOkSheUN-_ULCZwzvlYjPIKw9M.s6cz3VdSC5WiG0Ai2tiz4aatqVJIEEZYESgcXLp0Xs&dib_tag=se&keywords=tp4056&qid=1761710252&prefix=tp4056%2Caps%2C103&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1

Datasheet

https://docs.cirkitdesigner.com/component/b57f19af-4b30-4509-b060-8e50cbdf34d/37v-to-12v-mini-dc-boost-converter-board-output-5v8v9v12v-dc-step-up-module-lith-battery

https://www.amazon.com/LUIRSAY-2Pcs-
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Compatible/dp/B0F1FQMNXM/ref=sr_1_4?crd=76Z
QX6lB6Y1N&dib=eyJ2ljojMSJ9.UR9t6Z2D5rIVJlr8N
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Adhesive/dp/B0BXKMBRZ4/ref=sr_1_8?adgrpid=18
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