

## BOM\_MIDI to Hertz\_2021-09-17

ID	Name	Designator	Footprint	Quantity	Manufacturer Part	Price
1	10u	C1,C2	CAP-D5.0×F2.0	2	A-4554	\$0.02
2	100nf	C3,C4	RAD-0.1	2	A-5705	\$0.06
3	1N4148	D1	DO-35	1	1N4148	\$0.01
4	ZD 5.1 v	D2	DO-41	1	1N4733A	\$0.04
5	PWR	H1	IDC header 2.54_2X5	1		\$0.36
6	Hz/Volt Out	H2	HDR-F-2.54_1X2	1		\$0.03
7	Analog In	J1	HDR-M-2.54_1X1	1		\$0.01
8	Arduino NANO	M1		1		\$3.69
9	220	R1,R2,R3	R_AXIAL-0.3	3		\$0.02
10	10	R4	R_AXIAL-0.3	1		\$0.02
11	1k	R5,R6,R8	R_AXIAL-0.3	3		\$0.02
12	10K	R7	10K Potentiometer	1	A-5654	\$0.39
13	MIDI-THRU	U1	MIDI JACK	1		\$0.32
14	MIDI-IN	U2	MIDI JACK	1		\$0.32
15	L78L05	U3	TO-92-3_L4.9-W3.7-P1.27-L	1	A-176	\$0.15
16	6N137	U4	DIP-8_L9.8-W6.6-P2.54-LS7.6-BL	1	A-871	\$0.62
17	MPC4725	U6	M1X6	1	12918	\$5.25
18	TL072	U5	DIP-8_L9.4-W6.4-P2.54-LS9.1-BL	1	TL072CP	\$0.79

Total:

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Total	Source
\$0.04	Tayda
\$0.12	Tayda
\$0.01	Tayda
\$0.04	Tayda
\$0.36	Amazon
\$0.03	
\$0.01	
\$3.69	Tayda
\$0.05	Tayda
\$0.02	Tayda
\$0.05	Tayda
\$0.39	Tayda
\$0.32	Tayda
\$0.32	Tayda
\$0.15	Tayda
\$0.62	Tayda
\$5.25	Sparkfun
\$0.79	Tayda

\$12.24

## Link

<a href="https://www.taydaelectronics.com/capacitors/electrolytic-capacitors/10uf-50v-105c-radial-electrolytic-capacitor-5x11mm.html">https://www.taydaelectronics.com/capacitors/electrolytic-capacitors/10uf-50v-105c-radial-electrolytic-capacitor-5x11mm.html</a>
<a href="https://www.taydaelectronics.com/capacitors/monolithic-ceramic-capacitor/0-1-uf-50v-multilayer-monolithic-ceramic-capacitor-0805.html">https://www.taydaelectronics.com/capacitors/monolithic-ceramic-capacitor/0-1-uf-50v-multilayer-monolithic-ceramic-capacitor-0805.html</a>
<a href="https://www.taydaelectronics.com/1n4148-switching-signal-diode.html">https://www.taydaelectronics.com/1n4148-switching-signal-diode.html</a>
<a href="https://www.taydaelectronics.com/1n4733-zener-diode-1w-5-1v.html">https://www.taydaelectronics.com/1n4733-zener-diode-1w-5-1v.html</a>
<a href="https://www.amazon.com/gp/product/B00O9Y6FL6/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&amp;psc=1">https://www.amazon.com/gp/product/B00O9Y6FL6/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&amp;psc=1</a>
<a href="https://www.taydaelectronics.com/nano-3-0-controller-compatible-with-arduino-nano-ch340-usb-driver.html">https://www.taydaelectronics.com/nano-3-0-controller-compatible-with-arduino-nano-ch340-usb-driver.html</a>
<a href="https://www.taydaelectronics.com/resistors/1-4w-metal-film-resistors/resistor-220-ohm-1-4w-1-metal-film-pkg-of-10.html">https://www.taydaelectronics.com/resistors/1-4w-metal-film-resistors/resistor-220-ohm-1-4w-1-metal-film-pkg-of-10.html</a>
<a href="https://www.taydaelectronics.com/resistors/1-4w-metal-film-resistors/resistor-10-ohm-1-4w-1-metal-film-pkg-of-10.html">https://www.taydaelectronics.com/resistors/1-4w-metal-film-resistors/resistor-10-ohm-1-4w-1-metal-film-pkg-of-10.html</a>
<a href="https://www.taydaelectronics.com/resistors/1-4w-metal-film-resistors/10-x-resistor-1k-ohm-1-4w-1-metal-film-pkg-of-10.html">https://www.taydaelectronics.com/resistors/1-4w-metal-film-resistors/10-x-resistor-1k-ohm-1-4w-1-metal-film-pkg-of-10.html</a>
<a href="https://www.taydaelectronics.com/potentiometer-variable-resistors/rotary-potentiometer/linear/tayda-10k-ohm-linear-taper-potentiometer.html">https://www.taydaelectronics.com/potentiometer-variable-resistors/rotary-potentiometer/linear/tayda-10k-ohm-linear-taper-potentiometer.html</a>
<a href="https://www.taydaelectronics.com/5-pin-midi-connector-female-right-angle.html">https://www.taydaelectronics.com/5-pin-midi-connector-female-right-angle.html</a>
<a href="https://www.taydaelectronics.com/5-pin-midi-connector-female-right-angle.html">https://www.taydaelectronics.com/5-pin-midi-connector-female-right-angle.html</a>
<a href="https://www.taydaelectronics.com/l78l05acz-l78l05-78l05-5-volts-100ma-voltage-regulator-ic.html">https://www.taydaelectronics.com/l78l05acz-l78l05-78l05-5-volts-100ma-voltage-regulator-ic.html</a>
<a href="https://www.taydaelectronics.com/6n137-high-speed-logic-gate-optocouples-ic.html">https://www.taydaelectronics.com/6n137-high-speed-logic-gate-optocouples-ic.html</a>
<a href="https://www.sparkfun.com/products/12918">https://www.sparkfun.com/products/12918</a>
<a href="https://www.taydaelectronics.com/tl072-low-noise-j-fet-dual-op-amp-ic.html">https://www.taydaelectronics.com/tl072-low-noise-j-fet-dual-op-amp-ic.html</a>