

Bill Of Materials

Qty	Designation	Description	Adafruit		Digikey	Notes		
1	M1	Feather M4 Express	PID 3857	<a href="https://www.adafruit.com/product/3857">https://www.adafruit.com/product/3857</a>	<a href="https://www.digikey.com/products/en?mpart=3857&amp;v=1528">https://www.digikey.com/products/en?mpart=3857&amp;v=1528</a>			
1	M2	DS3231 Precision RTC FeatherWing	PID 3028	<a href="https://www.adafruit.com/product/3028">https://www.adafruit.com/product/3028</a>	<a href="https://www.digikey.com/products/en?mpart=3028&amp;v=1528">https://www.digikey.com/products/en?mpart=3028&amp;v=1528</a>	CR1220 battery: <a href="https://www.adafruit.com/products/380">https://www.adafruit.com/products/380</a>	<a href="https://www.digikey.com/product-detail/en/panasonic-bsg/CR1220/P033-ND/269740">https://www.digikey.com/product-detail/en/panasonic-bsg/CR1220/P033-ND/269740</a>	
1	M3	4-channel I2C-safe Bi-directional Logic Level Converter - BSS138	PID 757	<a href="https://www.adafruit.com/product/757">https://www.adafruit.com/product/757</a>	<a href="https://www.digikey.com/products/en?mpart=757&amp;v=1528">https://www.digikey.com/products/en?mpart=757&amp;v=1528</a>			
1	S1	Rotary Encoder	PID 377	<a href="https://www.adafruit.com/product/377">https://www.adafruit.com/product/377</a>	<a href="https://www.digikey.com/products/en?mpart=377&amp;v=1528">https://www.digikey.com/products/en?mpart=377&amp;v=1528</a>			
1	BZ1	Piezo Buzzer - PS1240	PID 160	<a href="https://www.adafruit.com/product/160">https://www.adafruit.com/product/160</a>	<a href="https://www.digikey.com/product-detail/en/tdk-corporation/PS1240P02CT3/445-5229-1-ND/2179635">https://www.digikey.com/product-detail/en/tdk-corporation/PS1240P02CT3/445-5229-1-ND/2179635</a>	Alternate: <a href="https://www.digikey.com/product-detail/en/tdk-corporation/PS1240P02BT/445-2525-1-ND/935930">https://www.digikey.com/product-detail/en/tdk-corporation/PS1240P02BT/445-2525-1-ND/935930</a>		
1	U1	Adafruit 1.2" 4-Digit 7-Segment Display w/I2C Backpack - Yellow	PID 1269	<a href="https://www.adafruit.com/product/1269">https://www.adafruit.com/product/1269</a>	<a href="https://www.digikey.com/products/en?mpart=1269&amp;v=1528">https://www.digikey.com/products/en?mpart=1269&amp;v=1528</a>	LED display with 5-volt power and data interface (I2C)		
1		Panel Mount 2.1mm DC barrel jack	PID 610	<a href="https://www.adafruit.com/product/610">https://www.adafruit.com/product/610</a>	<a href="https://www.digikey.com/product-detail/en/schurter-inc/4840-2200/486-3380-ND/1212406">https://www.digikey.com/product-detail/en/schurter-inc/4840-2200/486-3380-ND/1212406</a>	5v power input jack, 2.1mm		
2		Short Pin Feather Headers	PID 3002	<a href="https://www.adafruit.com/product/3002">https://www.adafruit.com/product/3002</a>		Pin connectors for Feather M4 and RTC FeatherWing		
2		Short Receptacle Feather Headers	PID 2940	<a href="https://www.adafruit.com/product/2940">https://www.adafruit.com/product/2940</a>		Pin connectors for Feather M4 and RTC Feather Wing		
1		36-pin Short Pin Headers	PID 3009	<a href="https://www.adafruit.com/product/3009">https://www.adafruit.com/product/3009</a>		Pin connectors for Level Converter and LED Display		
1		36-pin Short Receptacle Headers	PID 3008	<a href="https://www.adafruit.com/product/3008">https://www.adafruit.com/product/3008</a>		Pin connectors for Level Converter and LED Display		
1		Black Nylon Screw and Stand-off Set – M2.5 Thread	PID 3299	<a href="https://www.adafruit.com/product/3299">https://www.adafruit.com/product/3299</a>		M2.5 screws and standoffs for mounting PCB and display		
1		Pelican 1040 Micro Case, Yellow-Clear				<a href="https://www.amazon.com/Pelican-1040-Micro-Yellow-Clear/dp/B00152PF4I/ref=psdc_3406401_t2_B0029Q7A1K">https://www.amazon.com/Pelican-1040-Micro-Yellow-Clear/dp/B00152PF4I/ref=psdc_3406401_t2_B0029Q7A1K</a>		
1		PCB				OSH Park: <a href="https://oshpark.com/shared_projects/wLMeJjED">https://oshpark.com/shared_projects/wLMeJjED</a>		
1		5V 2A (2000mA) switching power supply - UL Listed	PID 276	<a href="https://www.adafruit.com/product/276">https://www.adafruit.com/product/276</a>	<a href="https://www.digikey.com/product-detail/en/tensility-international-corp/16-00066/839-1669-ND/10324415">https://www.digikey.com/product-detail/en/tensility-international-corp/16-00066/839-1669-ND/10324415</a>	Wall wart with 2.1mm center-positive plug		
1		Adjustable Bent-Wire Stand - up to 7" Tablets and Small Screens	PID 1679	<a href="https://www.adafruit.com/product/1679">https://www.adafruit.com/product/1679</a>	<a href="https://www.digikey.com/products/en?mpart=1679&amp;v=1528">https://www.digikey.com/products/en?mpart=1679&amp;v=1528</a>			