

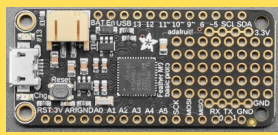


ChatterBox v0.2 Parts List


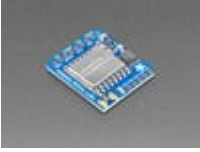
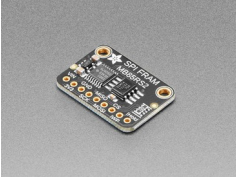





The following list shows the exact components and sources used for building the experimental ChatterBox device. Prices and sources were current as of May 2024. The list may not contain certain supplies where choice is not critical to the device (ex: solder). The list also does not include materials used to build a device case or container.



Figure 1: ChatterBox

For more information, visit: <https://www.chatters.io>

Part Name	Example Image	Product Link	Price Paid
Components Required for All Chatter Devices			
Adafruit M0 Basic Prototype with SAMD21		https://www.adafruit.com/product/2772	\$19.95
-- OR --			
Adafruit Feather M4 Express with SAMD51		https://www.adafruit.com/product/3857	\$22.95
EEMB LP103454 LiPo Battery - 3.7v 2000mAh (check polarity, probably need to order reversed)		https://www.amazon.com/gp/product/B0B7N2T1TD/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1	\$13.98

<p>Adafruit DS3231 Precision RTC Breakout</p>		<p>https://www.adafruit.com/product/3013</p>	<p>\$17.50</p>
<p>Adafruit RFM95W LoRa Radio Transceiver Breakout - 868 or 915 MHz - RadioFruit</p>		<p>https://www.adafruit.com/product/3072</p>	<p>\$19.95</p>
<p>Adafruit SPI Non-Volatile FRAM Breakout - 2 Mbit / 256 KBytes - MB85RS2MTA</p>		<p>https://www.adafruit.com/product/4718</p>	<p>\$12.95</p>
<p>Energizer CR1220 Low Drain 3V lithium Battery</p>		<p>https://www.amazon.com/dp/B003CU3E2Q?psc=1&ref=ppx_yo2ov_dt_b_product_details</p>	<p>\$6.75 (per 5)</p>
<p>2PCS IPEX U.FL SMD SMT Solder for PCB Mount Socket Jack Female RF Coaxial Connector</p>		<p>https://www.amazon.com/dp/B00CXOC5Z4?psc=1&ref=ppx_yo2ov_dt_b_product_details</p>	<p>\$5.00 (per 2)</p>
<p>Monoprice 6-Foot USB 2.0 A Male to Micro 5pin Male 28/24AWG Cable with Ferrite Core (Gold Plated) (105458),Black</p>		<p>https://www.amazon.com/dp/B003L18S0E?ref=ppx_yo2ov_dt_b_product_details&th=1</p>	<p>\$4.98</p>
<p>100pcs Male Header Pins, Lystaii Straight Single Row 40 Pin 0.1 Inch (2.54mm) Male Pin Header Connector PCB Board Pin Connector Electronic Component Raw Materials</p>		<p>https://www.amazon.com/dp/B06ZZN8L9S?psc=1&ref=ppx_yo2ov_dt_b_product_details</p>	<p>\$8.99 (per 100)</p>
<p>Momentary Push Button Switch</p>		<p>https://www.amazon.com/dp/B08L7P2X8L?psc=1&ref=ppx_yo2ov_dt_b_product_details</p>	<p>\$9.92 (per 10)</p>

<p>Hosyond 3.2 inch 240x320 IPS Capacitive Touch Screen</p>		<p>https://www.amazon.com/dp/B0CMD6B9M5?ref=ppx_yo2ov_dt_b_product_details&th=1</p>	<p>\$17.99</p>
<p>On-Off Power Toggle Switch</p>		<p>https://www.amazon.com/gp/product/B09R43HCY3/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1</p>	<p>\$5.99 (per 70)</p>
<p>LoRa Antenna Pigtail 915MHz 2dBi U.FL IPEX to SMA Connector for ESP32 Lora OLED CubeCell Board IOT Internet of Things (Pack of 4)</p>		<p>https://www.amazon.com/dp/B07LCKNN4H?psc=1&ref=ppx_yo2ov_dt_b_product_details</p>	<p>\$12.99 (per 4)</p>