

Components Bill of Materials

Title	Description	Quantity
Force Sensitive Resistor	Sensors to measure pressure inside the bell. 1.5" inch diameter. Can sense force within the range of 100g and 10kg.	2
SPST LED illuminated Push ON/ Push OFF	Buttons mounted around the keys to turn on and off effects. 16mm diameter, 1500 Volts. Locking ON/OFF.	6
Teensy 3.6 Development Board	Teensy board that's compatible with Teensyduino software.	1
10k Ohm Resistor	Resistor to be used with Force Sensitive Resistors.	2
French Horn Alexander 103	Alexander 103 model of the French horn. Uses a Kruspe-style wrap.	1
3D Printing Plastic	For printing components that can be used for mounting.	N/A
Mini Storage Box	Container for holding the Teensy 3.6.	1 x (120 x 85 x 63mm)
Velcro Black Reusable Ties	Ties for strapping 3D printed components and container to the horn.	10
Sponge	Small squares of sponge to be attached under the force sensitive resistors on the bell of the French horn.	2 x (2 x 2 x 1cm)
Zip Ties	Used to tie 3D printed component to hand grip of the horn	2 x 20 cm
Hook Up Wire	Connects buttons and sensors to the Teensy 3.6.	N/A