



Rugged Metal Pushbutton - 22mm 6V RGB Momentary

PRODUCT ID: 3423

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DESCRIPTION

TECHNICAL DETAILS

DESCRIPTION

By popular demand, we now have rugged metal buttons with a full color RGB LED ring light! These chrome-plated metal buttons are rugged, but certainly not lacking in flair.

This is a **22mm Momentary** version of the RGB pushbutton. Simply drill a 22mm hole into any material up to 1/4" thick and you can fit these in place – there's even a rubber gasket to keep water out of the enclosure. On the front of the button is a flat metal actuator, surrounded by a plastic RGB LED ring. On the back there are 4 metal contacts for the RGB LED ring (one anode and 3 cathodes for each red, green, and blue) and 4 spade contacts for the switches.

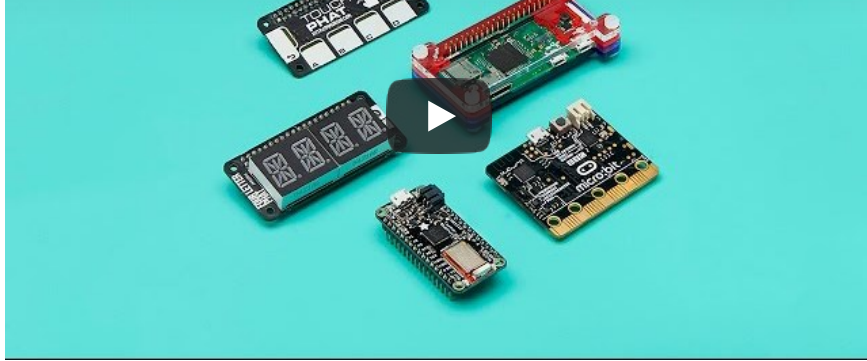
To use the RGB LED: Power the anode at 3-6V and light up the red, green, and blue LEDs by pulling their designated contacts to ground as you desire – there's a built in resistor! If you want to use this with a higher voltage, say 12V or 24V, simply add a 1K ohm resistor in series with the LED cathodes to keep the LED current at around 20mA. You can PWM the RGB pins to make any color you like.

To use the switches: There are two electrically separate SPST switches inside the button. The two inner set of spade contacts are a normally-closed switch. When you press the button, these contacts will open. The outer two spade contacts are a normally-open switch. When you press the button, these contacts will open until it is released.

The switch and LED are electrically separated, so to change the color, use a microcontroller to both read the contact pins and toggle the color control pins.

New Products 4/19/2017





TECHNICAL DETAILS

- Drill hole diameter: 22mm
- Switch current: not rated, we recommend no more than 1A / 24VDC
- Switch contacts: 2 set, one normally open and one normally closed
- Material: Chrome plated brass
- Contact resistance: < 50 mOhm
- Insulation resistance: > 1000 Mohm
- Temperature: -20 C to +55 C
- Mechanical life: > 500,000
- Electrical life: > 50,000
- Panel thickness: 1-7mm
- Operating pressure: 1.5 - 2.5 N
- Operating stroke: 2mm
- LED rated voltage: 6V

[Datasheet](#)

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Rugged Metal Pushbutton -



Rugged Metal Pushbutton



Rugged Metal Pushbutton -



Rugged Metal On/Off



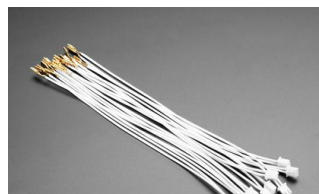
Rugged Metal Pushbutton



Rugged Metal On/Off



LED Illuminated Pushbutton



Arcade/Button Quick-



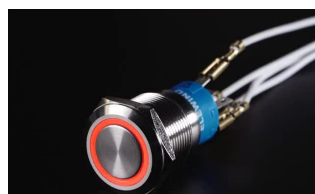
Rugged Metal Pushbutton



Rugged Metal On/Off



Rugged Metal Pushbutton



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