







$$\begin{array}{c|c} \textit{Button\_1} & \longrightarrow & \textit{GND} \\ \\ \textit{Button\_2} & \bigcirc & \bigcirc & \bigcirc & \textit{GND} \\ \end{array}$$

$$\underbrace{\text{Button}\_2}_{\bigcirc} \xrightarrow{\square} \underbrace{\bigcirc}_{\bigcirc} \bigcirc \text{DND}$$

## Parts list:

- 1x STM32F109C8 Blue Pill
- 1x Joystick JH-D202X-R2/R4
- 2x Buttons with backlight
- 2x 180 Ohm resistor
- 1x DTC114EE transistor
- \* Optionally Boost Converter Module if LEDs are higher voltage rated