

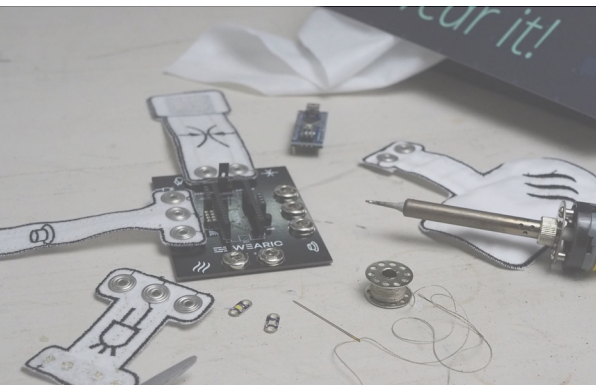


# WEARIC

## WEARIC - TEXTILE PUSH BUTTON

### PRODUCT DESCRIPTION

The WEARIC textile push buttons are perfect to switch your project ON or OFF. LED's, heating, motors, everything has to be turned on or adjusted. The textile push button is a conductive, soft, breathable textile solution which is easy to integrate into your wearable. The polyester fabric together with the conductive yarn builds a supply line for the two channel normally open push button. Use the WEARIC expansion board to debounce the textile push button and get unlimited possibilities. Everything is possible - Do it!



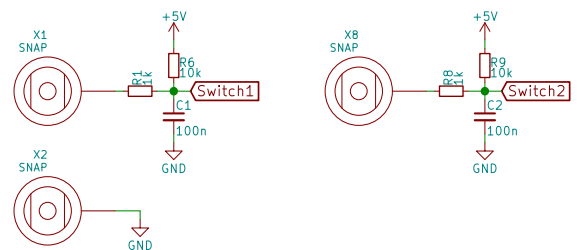
### APPLICATIONS

wearables, information device, smart home, intelligent workwear, occupation

### TECHNICAL DETAILS EXPANSION BOARD

Size	120 x 50mm
Connectors	3 Snaps (15mm s-spring)
Digital Input	2 (Push Button)
Voltage Supply	5V DC
Max. Current	100 mA DC
Textile Material	Polyester, Silver Yarn
Debounce Circuit	low pass
Calculation low pass	$U_a = \frac{U_e}{\sqrt{1 + (\omega CR)^2}}$
Washability	limited washability

### CIRCUIT DIAGRAM



### SAFETY INFORMATION

Do not use higher current than 100mA DC and voltage over 5V.

### DOWNLOADS

More informations, datasheets, PCB Layout, circuit diagrams, etc. you can find them in our download section on [www.wearic.com](http://www.wearic.com)

### USED MATERIALS

You want to build your individual Smart Textile sensor? You need the following materials which are easily accesible in our Online-Shop:

Item	Item Nr.
Cotton fabric	WRC103
Silver Yarn	WRC021
15mm snap incl. tooling	WRC024