

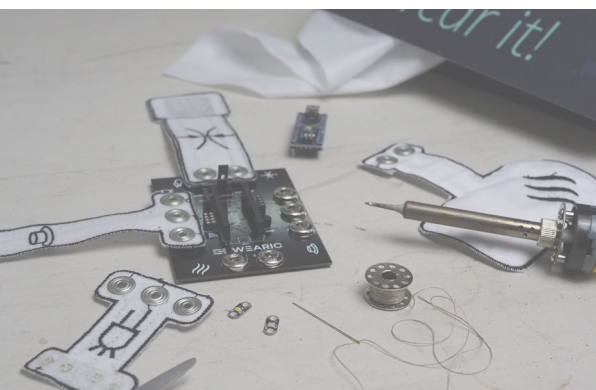


WEARIC

WEARIC - LED TEXTILE DATASHEET

PRODUCT DESCRIPTION

The WEARIC LED textile is a conductive fabric with two sewable LED moduls or a LED sequins on it. The polyester fabric together with the conductive yarn builds a supply line. You sew the LED´s onto the fabric and connect 3 to 6 VDC to it or you use the WEARIC expansion board to get unlimited possibilities. Depending how you power the LED´s you also can switch more than one in paralell or in series. Shineing, fading, blincing, diffrent colours, everything is possible - Do it!



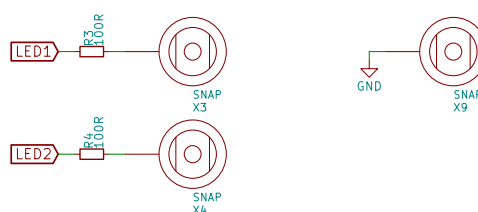
APPLICATIONS

wearables, information device, smart home, intelligent workwear

TECHNICAL DETAILS EXPANSION BOARD

Size	72 x 52mm
Connectors	3 Snaps (15mm s-spring)
Digital Output	2 (LED)
Voltage Supply	5V DC
Max. Current	50 mA DC
Textile Material	Polyester, Silver
Protective Circuit	serial resistance
Calculation serial resistance	$R_v = \frac{(U_{ges} - U_d)}{I}$
Washability	limited washability

CIRCUIT DIAGRAM



LED CHIP INFORMATION

Type	LuckyLight S150 SMD LED (blue/white)
Typical Forward Voltage	3,4V
Continous Forward Current	25mA

Reverse Voltage	5V
Typical Luminous Intensity	45mcd
Viewing Angel	120 Degree

SAFETY INFORMATION

Do not use the LED textile without a serial resistance, otherwise LED´s can be destroyed.

DOWNLOADS

More informations, datasheets, PCB Layout, circuit diagrams, etc. you can find them in our download section on www.wearic.com