ONGOING RESEARCH IN H-C3 SCOPE

Wearable Electronics

C. Dils, T. Linz, R. Vieroth, C. Kallmayer, H. Reichl

in cooperation with



Zuverlässigkeit und Mikrointegration

Fraunhofer Institut



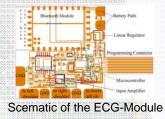
ECG-Shirt

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To monitor long term heart activities. Embroidered electrodes and embroidered connections.



Installed ECG-Module





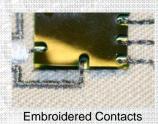
Molded EMG-Sensor Housing

EMG-Sensor

Textile integrated capacitive sensor to contactlessly measure muscle activities in an unobtrusive way.



Integrated Circuit

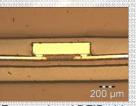




Textile RFID tag with woven antenna

Textile Integrated RFID

RFID tags with a woven antenna and a special polyurethane encapsulated coupling module



Encapsulated RFID chip



TextraLog RFID tag in a jacket