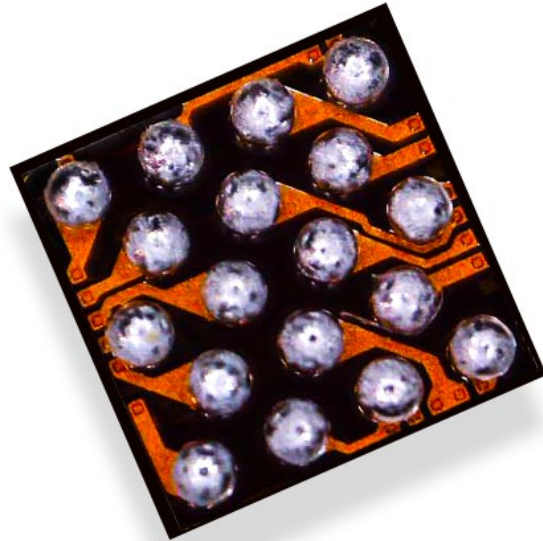


## **This time we were first**

Pioneer in single chip, multi-sensor solutions.  
Two decades of capacitive sensing and LED driver expertise.

**MEET THE WEARABLE CHIP**

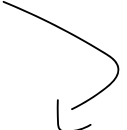


## MEET THE WEARABLE CHIP

The IQS7210 chip is a sensor fusion device targeting the wearable fitness market. Design a full trackpad or touchscreen of up to 42 channels. Additional sensing is integrated with wear detect, force touch and Hall sensing capabilities.

[IQS7210 >](#)

Check out  
the applications



## THE WAKE-UP BUTTON

Design a dedicated sub 4uA ultra low power button that is always on and can wake up the touchscreen.





## THE TOUCHSCREEN

Design a small touchscreen for fitness trackers or smart watches. Our chip is known for being cost effective and low power.



## THE FORCE SENSING

Force sensing happens when the user squeezes the housing of the wearable to produce a function. Our inductive coils can detect as little as 2 $\mu$ m deflection of the metal target.

[VIDEO >](#)

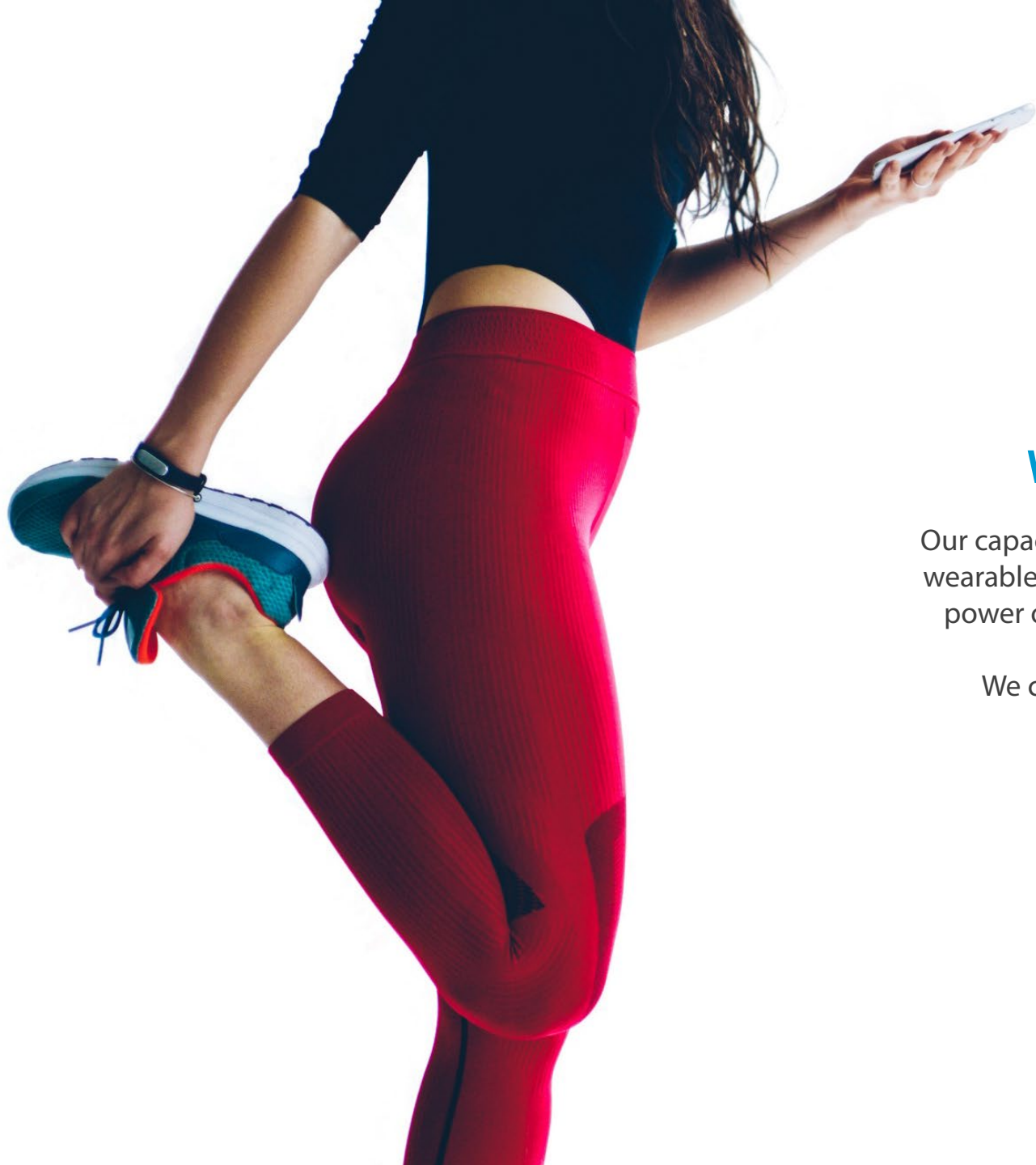


## THE WATERPROOF BUTTON

Our sensor can detect the movement of a metal object contactless through the housing, allowing you to seal off all electronic components and mount a dome switch on the outside.

[VIDEO >](#)





## THE WEAR DETECTION

Our capacitive sensor can detect whether the wearable is being worn to automatically save power or for privacy and security reasons.

We can even track temperature and environmental changes.

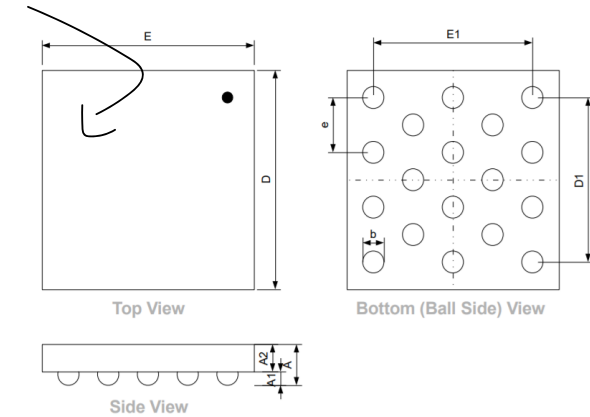
*Design them all with a  
single chip*



# THE SPECS

- > Highly flexible ProxFusion® device
- > X and Y scalable to screen size
- > Supply voltage: 1.8 to 3.3V (+/-5%)
- > Configurable report rate, up to 9ms
- > Coverlens thickness up to 5mm supported
- > Small package size:
  - > WLCSP18 (1.62mm x 1.62mm x 0.5mm)
  - > QFN20 (3.0mm x 3.0mm x 0.5mm)

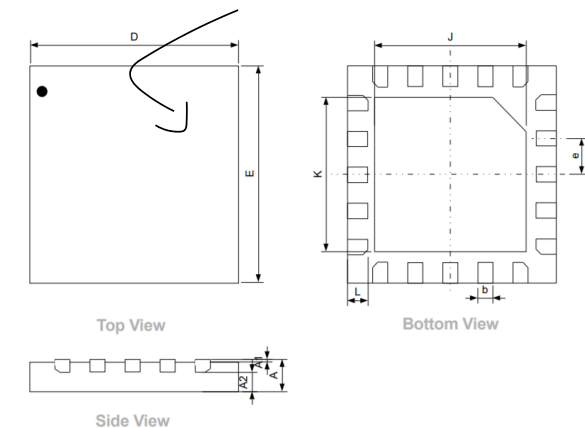
WLCSP18



Ask us about  
the different combinations we offer on a  
single chip!

	Touch button	Mini Trackpad	Force sensing	Waterproof button	Docking detection	Wear detection
Choose your own combination	?	?	?	?	?	?

QFN20



[DATASHEET >](#)



# We would love to get in touch

Let us know what you have in mind.  
We have a passion for designing new solutions for your  
awesome tech.

[TALK TO US >](#)

## THE OTHER CHIPS



The  
Appliance Chip



The  
Trackpad Chip



The  
Earbud Chip



The  
Keypad Chip



The  
Champion Chip



The  
WearMax™ Chip

