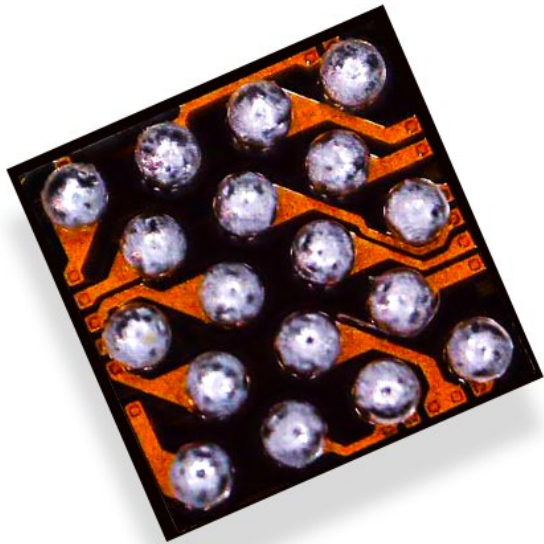


This time we were first

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

MEET THE APPLIANCE CHIP



MEET THE APPLIANCE CHIP

The IQS7222C chip is a sensor fusion device for various multi-button applications together with capacitive slider and wheel capabilities. The sensor also offers additional inductive sensing options.

[IQS7222C >](#)

*Check out
the applications*





THE TOUCH BUTTONS

Design a seamless touchpad with up to 10 mutual capacitive buttons and proximity wake-up.

Use inductive sensing simultaneously to remove limit switches.

THE SLIDER

Integrate a waterproof, sensitive and robust slider for speed control. We can do it either with inductive or with capacitive technology.





THE SCROLL WHEEL

Design a seamless scroll wheel with proximity backlighting that is triggered when human presence is detected.

THE WATERPROOF BUTTON

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





THE FORCE BUTTON

Force sensing happens when the user squeezes the housing of an appliance to produce a function. Ideal for starting high power pulse on a blender.

Ideal for implementing a seamless and waterproof industrial user interface.



GRIP DETECTION

Detect whether a blender, hairdryer or similar appliance is in hand to automatically power-on. And automatically powers off when put down.



THE REMOVABLE KNOB

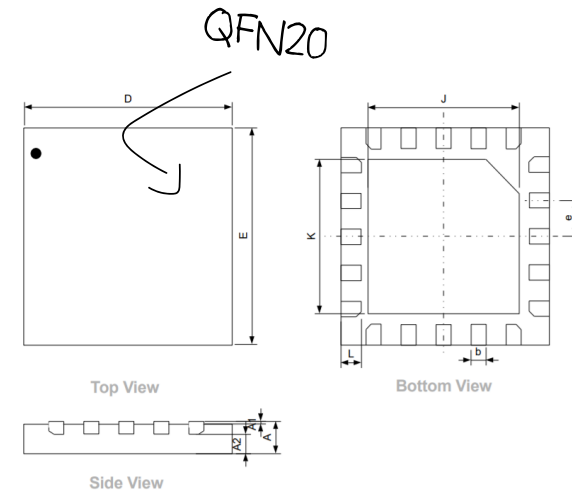
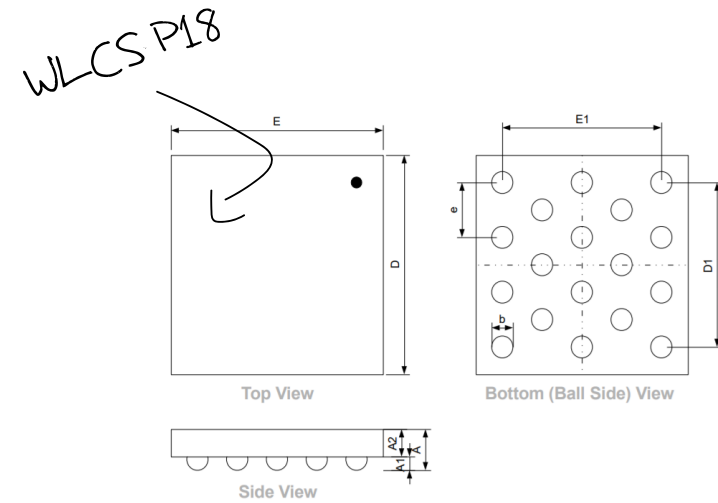
Design a waterproof and contactless stove knob that can be completely removed or replaced for easy cleaning and child safety. No shaft is required for the encoder.

[VIDEO >](#)



THE SPECS

- > Highly flexible ProxFusion® device
- > 9 (QFN) / 8 (WLCSP) external sensor pad connections
- > Configure up to 10 Channels using the external connections
- > External sensor options:
 - Up to 8 self capacitive buttons
 - Up to 4 self capacitive wear detection pairs (with physical reference)
 - Up to 10 projected capacitive touch/proximity sensors
 - Up to 4 inductive sensor elements
- > Built-in Signal processing options:
 - Slider output
 - Wheel output



[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
WearMax™ Chip



The
Trackpad Chip



The
Earbud Chip



The
Keypad Chip



The
Champion Chip



The
Wearable Chip

 **Azoteq**

