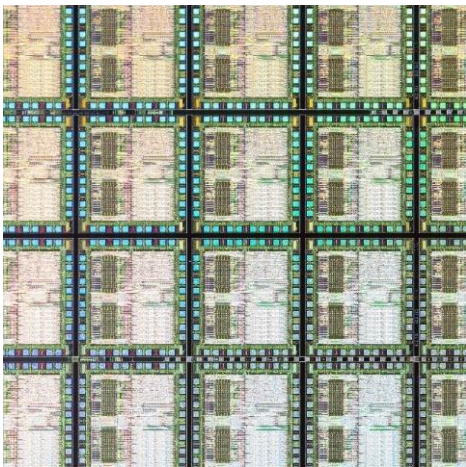




Semiconductor Custom Solutions

Microdul AG is an MBO from Philips Semiconductors Zürich and was founded in 1991. Since its founding, Microdul has had a Semiconductors group that develops and supplies custom application specific integrated circuits (ASIC) and standard products.

For ASICs we typically work out a specification together with our customer. Our expertise lies in ultra-low-power, mixed-signal design. We have extensive experience in 32kHz based timing ICs (clocks, watches and real time clocks RTC), temperature monitors, capacitive sensing and power management especially for energy harvesting.



Microdul Standard Products

We realise that long battery life is one of the most important features of portable consumer and professional products. Reliable and low-power human body detection, as well as touch detection and temperature sensing with power consumption in the sub-microamp range can greatly extend battery life, as well as reduce battery size and cost.

For more information click [here](#) or contact phil.poole@microdul.com



Human Body Detector

MS8891A

[Summary](#)

[Datasheet](#)

[Application Note](#)

[Flyer](#)

[Video Human Body Detector](#)

[Tutorial](#)

Wake-Up

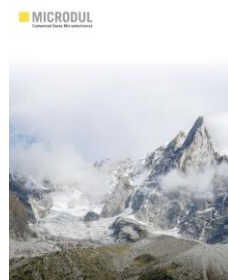
MA8892B

[Summary](#)

[Datasheet](#)

[Application Note](#)

[Flyer](#)



Temperature Sensors

MS1088D

[Datasheet](#)

[Application note](#)

[Video](#)

[Flyer](#)

MS1089A

[Summary](#)

[Datasheet](#)

[Application note](#)

[Flyer](#)

Capacitive Switches

The MS888X-series and PCF/PCA888X-series are ultra-low-power capacitive touch and proximity sensors. The devices below are dynamic switches using a single electrode. The finger approaches the electrode, touches or is close and then the finger leaves. The event is detected when the circuit leaves its equilibrium state due to a change in the capacitance close to the electrode. Slow changes of capacitance caused by manufacturing tolerances, dirt or water are compensated. They are suitable for battery applications where the event is dynamic.

Product & Datasheet	Package	Article	Description	Available
MS8883A	SO8	916683	1-channel cap-switch	✓
PCF8883T/1,118	SO8	9160398	1-channel cap-switch	✓
PCF8883US/7EA/1	CSP	9160397	1-channel cap-switch	✓
MS8883C	DFN8	9160178	1-channel cap-switch	✓
MS8885B	QFN28	9160151	8-channel cap-switch	✓
PCF8885TS/1	TSSOP28	9160399	8-channel cap-switch	✓
PCA8885TS/Q900/1	TSSOP28	9160404	8-channel cap-switch	✓

Get an evaluation board to check out the capabilities of this great touch switch!

More information [here](#).

**Exclusive Sales and Product Support,
for the United States:**



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