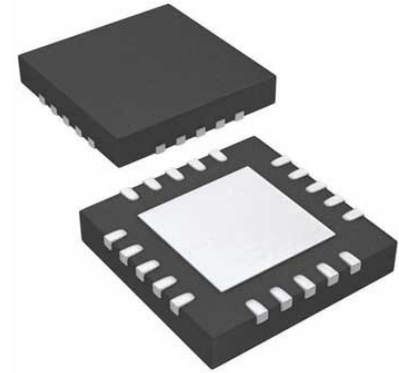


Capacitive Touch Sensor, I2C, SMBUS, SPI, 3 V, 3.6 V, QFN, 20 Pins, -40 °C

Manufacturers	Microchip Technology, Inc
Package/Case	QFN-20
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for CAP1166-1-BP-TR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The CAP1166 is a turnkey capacitive touch controller providing a wide variety of button and proximity functionality, and making it easy for designers to add aesthetically pleasing, low-cost and robust touch interfaces. The CAP1166 also contains 6 LED drivers that offer full-on / off, variable rate blinking, dimness controls, and breathing. Each of the LED drivers may be linked to one of the sensor inputs to be actuated when a touch is detected. As well, each LED driver may be individually controlled via a host controller.

Features

6 Capacitive Touch Sensor Inputs

6 LED Driver Outputs

Programmable sensitivity

Automatic recalibration

Individual thresholds for each button

Proximity Detection

Multiple Button Pattern Detection

Analog Filtering for System Noise Sources

Press and Hold feature for Volume-like Applications

Low Power Operation

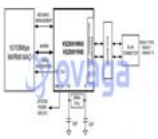
Communication

I²C[™] and SMBus

Package Type

20-pin QFN

Related Products



[KSZ8091RNBCA](#)

Microchip Technology, Inc
VQFN-32



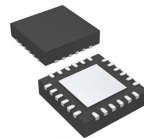
[CAP1114-1-EZK-TR](#)

Microchip Technology, Inc
VQFN-32



[KSZ8081RNBCA-TR](#)

Microchip Technology, Inc
QFN-32



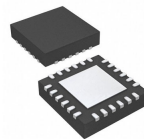
[KSZ8091RNACA-TR](#)

Microchip Technology, Inc
VQFN-24



[KSZ8081MLXCA-TR](#)

Microchip Technology, Inc
LQFP-48



[KSZ8081RNDCA-TR](#)

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