Capacitive Touch Sensor, I2C, SMBUS, SPI, 3 V, 3.6 V, QFN, 24 Pins, 0 ℃

| | |
|---|---|
| Manufacturers | Microchip Technology, Inc |
| Package/Case | VQFN-24 |
| Product Type | Interface ICs |
| RoHS | |
| Lifecycle | |
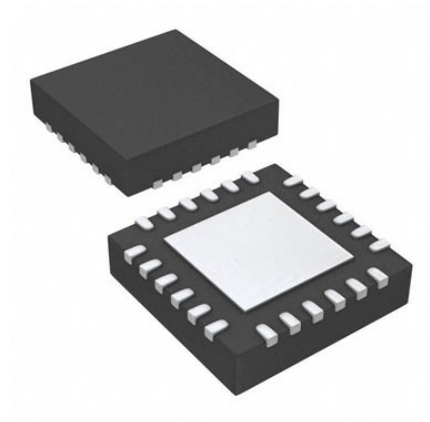
Images are for reference only

Please submit RFQ for CAP1188-1-CP-TR or Email to us: sales@ovaga.com We will contact you in 12 hours.　　RFQ

## General Description

The CAP1188 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 CAP1188 also contains 8 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

8 Capacitive Touch Sensor Inputs

8 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
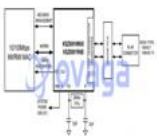
Low Power Operation

Communication

I²C™ and SMBus

Package Type

24-pin QFN

## Related Products

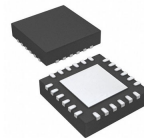**KSZ8091RNBCA**

Microchip Technology, Inc

VQFN-32

**CAP1114-1-EZK-TR**

Microchip Technology, Inc

VQFN-32
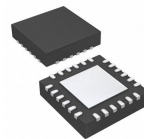
**KSZ8081RNBCA-TR**

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**KSZ8091RNACA-TR**

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VQFN-24

**KSZ8081MLXCA-TR**

Microchip Technology, Inc

LQFP-48

**KSZ8081RNDCA-TR**

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VQFN-24

**KSZ8081MLXCA**

Microchip Technology, Inc

LQFP-48

**KSZ8081MNXCA-TR**

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VQFN-32