


Capacitive Touch Screen 2-Wire 20-Pin QFN

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| Manufacturer: | Resurgent Semiconductor, LLC |
| Package/Case: | QFN20 |
| Product Type: | Drivers |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | Aftermarket |



Images are for reference only

[Inquiry](#)

General Description

MPR121QR2 is a touch sensor controller IC manufactured by NXP Semiconductors. It is designed to detect touch on up to 12 electrodes using the principle of capacitance sensing. Here are some of its features:

Key Features

Operates from a supply voltage of 1.71V to 3.6V

Supports up to 12 touch sensors (electrodes)

Supports touch detection with up to 10mm distance to the electrode

Includes a built-in charge pump for driving electrodes

Supports both I2C and SPI communication interfaces

Low power consumption

Noise filtering and debouncing for improved touch detection accuracy

Application

Consumer electronics: touch-sensitive buttons, sliders, and wheels for various devices including smartphones, tablets, remote controls, and gaming consoles.

Automotive: touch-sensitive controls for dashboards, infotainment systems, and climate control.

Industrial controls: touch-sensitive controls for machines, tools, and equipment.

Home automation: touch-sensitive controls for lighting, heating, and air conditioning.

