

Yosun SX9513 Touch Rev0

Semtech SX9513 Capacitive Touch Solution



Overview

Yosun SX9513 Touch Rev0 is an 8-channel touch solution embedded Semtech SX9513 controller which includes 8-button capacitive touch sensor, 8-channels of LED drivers, a buzzer and analog outputs. A designer can easily integrate it into their system to design a state-of-the-art device.

YOSUN is an authorized distributor by Semtech. We support not only relational material, but also competitive solutions for saving our partner's time to market. Now, you may simply and quickly bring your existing platforms or products to engage cap-touch market with YOSUN to do it by "Yosun SX9513 Touch Rev0".

Features

- Separate Core and I/O Supplies
 - 2.7V – 5.5V Core Supply Voltage
 - 1.65V – 5.5V I/O Supply Voltage
- 8 - Button Capacitance Controller
 - Capacitance Offset Compensation to 40pF
 - Adaptive Measurements For Reliable Proximity And Button Detection
- 8-channel LED Controller & Driver
 - Blink And Breathing Control
 - High Current, 15 mA LED Outputs
- Simple (400kHz) I2C Serial Interface
 - Interrupt Driven Communication via NIRQ Output
- Low Power
 - Sleep, Proximity Sensing: 330uA
 - Operating: 600uA
- -40°C to +85°C Operation
- 4.0 mm x 4.0 mm, 20-lead QFN package
- 4.4 mm x 7.8 mm, 24-lead TSSOP package
- Pb & Halogen free, RoHS/WEEE compliant

Application

- LCD TVs, Monitors
- White Goods
- Consumer Products, Instrumentation, Automotive
- Mechanical Button Replacement

