

Capacitance Digital Converter LSI 30-Pin SSOP T/R



Listing details

Reference Number: RF406758

Common

Price: \$ 1.89
Country: United States
Description:

Capacitance Digital Converter LSI 30-Pin SSOP T/R

Manufacturer Part #: LC717A00AJ-AH

Alternate Part #: LC717A00AJ-AH/BKN

The LC717A00AJ is a high-performance, low-cost capacitance-digital-converter LSI for electrostatic capacitive touch sensor, especially focused on usability. It has 8 channels capacitance-sensor input. The built-in logic circuit can detect the state (ON/OFF) of each input and output the result. This makes it ideal for various switch applications.

Key Features

Detection system: Differential capacitance detection (Mutual capacitance type)
Input capacitance resolution: Can detect capacitance changes in the femto Farad order
Measurement interval (8 differential inputs):
18ms (Typ) (at initial configuration),
3ms (Typ) (at minimum interval configuration)
External components for measurement: Not required
Current consumption: 320 μ A (Typ) (VDD = 2.8 V), 740 μ A (Typ) (VDD = 5.5V)
Supply voltage: 2.6 V to 5.5 V
Detection operations: Switch
Interface: I2C compatible bus or SPI selectable.

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Posted: 7 years ago

