

Digital Potentiometer 10kOhm 128POS Volatile Linear Automotive 6-Pin SC-70 T/R



Images are for reference only

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: SC70-6

Product Type: Data Conversion ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The TPL0401x-10-Q1 device is a single-channel, linear-taper digital potentiometer with 128 wiper positions. The TPL0401x-10-Q1 has the low terminal internal and connected to GND. The position of the wiper can be adjusted using an I²C interface. The TPL0401x-10-Q1 is available in a 6-pin SC70 package with a specified temperature range of -40°C to +125°C. The part has a 10-kΩ end-to-end resistance and can operate with a supply voltage range of 2.7 V to 5.5 V. This kind of product is widely used in setting the voltage reference for low power DDR3 memory.

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Key Features

Single-Channel, 128-Position Resolution

10-kΩ End-to-End Resistance Options

Low Temperature Coefficient: 22 ppm/°C

I²C Serial Interface

2.7-V to 5.5-V Single-Supply Operation

±20% Resistance Tolerance

A and B Versions Have Different I²C Addresses

L Terminal is Internal and Connected to GND

Operating Temperature: -40°C to +125°C

Available in Industry Standard SC70 Packages

ESD Performance Tested per JESD 22
2000-V Human-Body Model (A114-B, Class II)

Recommended For You