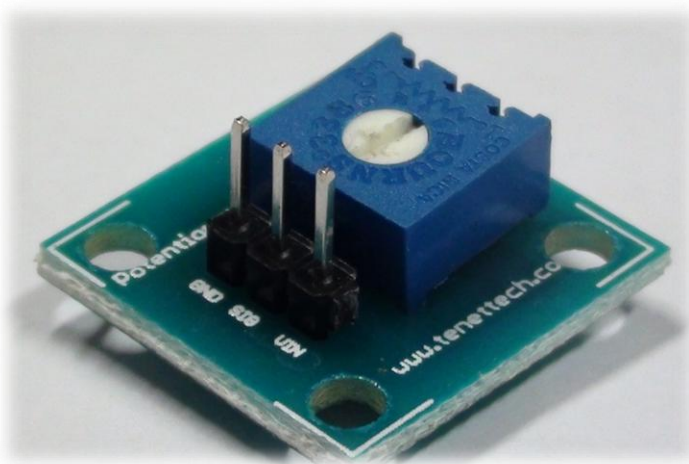


2016



Tenet's Potentiometer breakout



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Introduction

Potentiometer (POT), informally a potential sensor, is a three-terminal resistor with a sliding or rotating contact that forms an adjustable voltage divider. If only two terminals are used, one end and the wiper, it acts as a variable resistor or rheostat. Tenet's Potentiometer breakout is an analog sensor which can be easily interfaced with any microcontrollers.

Applications

- Variable resistor
- Adjustable Potential divider
- Controlling intensity of LED
- Volume control

Specifications

Parameters	Specifications
Resistance Range	10K max
Resistance Tolerance	±10 % std
Absolute Minimum Resistance	1 % or 2 ohms
Contact Resistance Variation	1 % or 3 ohms max
Adjustability Voltage Divider	±0.05 %
Rheostat	±0.15 %
Resolution	Infinite
Insulation Resistance	500 vdc
Dielectric Strength	1,000 mega ohms min
Adjustment Angle	240 ° nom

