Connectors:
JST Jumper 3 Wire Assembly - PRT-09915
Screw Terminals 3.5mm Pitch (3-Pin) - PRT-08235

\[ Vcc = 3.3V-5V \]

Probe Circuit

DO NOT POWER CONSTANTLY
It is recommended that you use a digital GPIO pin on whichever microcontroller
or IC you're using to control the sensor to power the sensor.

Test different values for R1 to get lower power consumption while still getting a good ADC reading.

Rod length and spacing were not the most significant variables.
In general you want the probes long enough to reach the moist soil and not so close together that they are likely to touch accidentally.
Keeping them about an inch apart works great.
The big variable is the composition of the soil itself (especially salts), so ideally you would calibrate for each type of soil.

"Rob Faludi"

Based off the Soil Moisture Circuit found at http://www.faludi.com/2006/11/02/moisture-sensor-circuit/

PCB design inspired by the Soil Moisture Sensor from DFRobot

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TITLE: SparkFun_Soil_Moisture_Sensor
Design by: Joel Bartlett

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