

36209-MP

Voltage Divider Board for Arduino

Small voltage divider/scaling module using a resistor divider. The measured voltage is reduced down by a fixed ratio so that the ADC of the Arduino can detect the value and calculate the measured voltage. Sampling resistance with precision resistors, 0.5% precision and 50PPM temperature coefficient to ensure the detection accuracy effectively.

Measurement Accuracy <= 1%

Input Range: 25V max

Resistor Tolerance: 0.5%

Temperature Coefficient: 50PPM/°C

Ratio: 0.18 (ADC reference voltage / 0.18)

R1: 820K

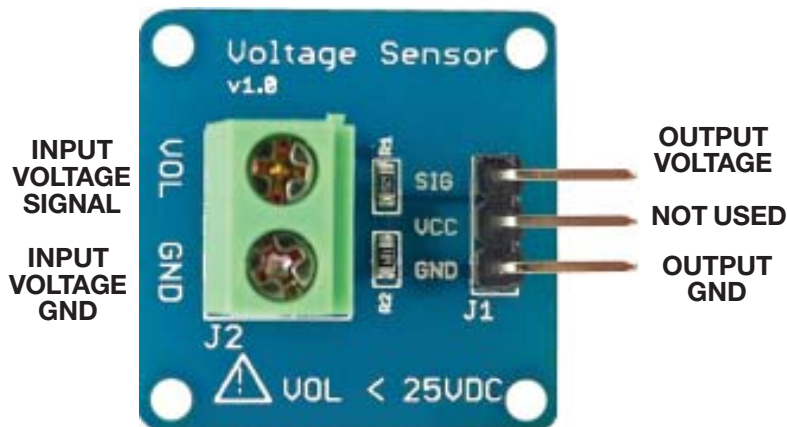
R2: 120K

Formula: $V_{out} = V_{in} \cdot (R_2 / (R_1 + R_2))$

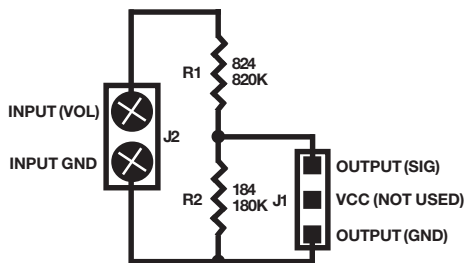
Input: Terminal Strip

Output: 1 x 3 0.1" Pitch Header Pins

SQ: 15/16" (Board) **H:** 1/2" **WT:** .01



NOTE: GND (Ground) Terminals on Both Connectors are Common



Information including Drawings, Schematics, Links and Code (Software) Supplied or Referenced in this Document is supplied by MPJA inc. as a service to our customers and accuracy or usefulness is not guaranteed nor is it an Endorsement of any particular part, supplier or manufacturer. Use of information and suitability for any application is at users own discretion and user assumes all risk.

Information Subject to Change Without Notice
All rights are retained by the respective Owners/Author(s)



MARLIN P. JONES & ASSOC., INC.

P.O. Box 530400 Lake Park, FL 33403

800-652-6733 FAX 561-844-8764

WWW.MPJA.COM