

SIMPLECIRCUITBOARDS.COM

DC to DC Converter Board – 1 Input - 3 Outputs



Do you have access to only one source (voltage) of power but need other voltages? This circuit will do the trick. Provide one voltage as an input (up to 36VDC) and get three different output voltages (below the input voltage). The voltage output is dependent upon what voltage regulator you use in the circuit. Let's say you have 24 VDC available and you need 15, 9 and 5 VDC to power some other components... then build the circuit with the 15, 9 and 5VDC voltage regulators. Each output can handle a current up to 1A. Very useful (and cheap)!

Miscellaneous Information:

Input wattage must be greater than output wattage. (Volts x Amps = Watts) For example, if you wanted 1A outputs of 5 VDC (5 watts), 9 VDC (9 watts) and 15 VDC (15 watts) – a total of 29 watts, you must provide greater than 29 watts input. If you had 24 VDC as the input, you would need greater than 1.21 A input current.

Specifications:

- Input Power: Up to 36 VDC
- Number of Outputs: 3
- Output (V): 5 – 24 VDC (depending on which voltage regulator is used)
- Output (A): 1A if heat sink is used
- Board Dimensions: 3 x 1.6 inches

Disclaimer:

These boards are designed for educational use only. In no circumstances should these circuit boards be used in critical situations where failure could mean injury or property damage.

For more information, contact us at:

Info@SimpleCircuitBoards.com