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## DC to DC Converter Board – 1 Input – 1 Output

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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 a different output voltage (below the input voltage). The voltage output is dependent upon what voltage regulator you use in the circuit. Let's say you have 12VDC available and you need 5VDC to power some other component... then build the circuit with the 5VDC voltage regulator. The output can handle a current up to 1A. Very useful (and cheap)!

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### Miscellaneous Information:

Input wattage must be greater than output wattage. (Volts x Amps = Watts) For example, if you wanted an output of 9 VDC at 1A (9 watts), you must provide greater than 9 watts input. If you had 12 VDC as the input, you would need at least at least 750 mA input current.

### Specifications:

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

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