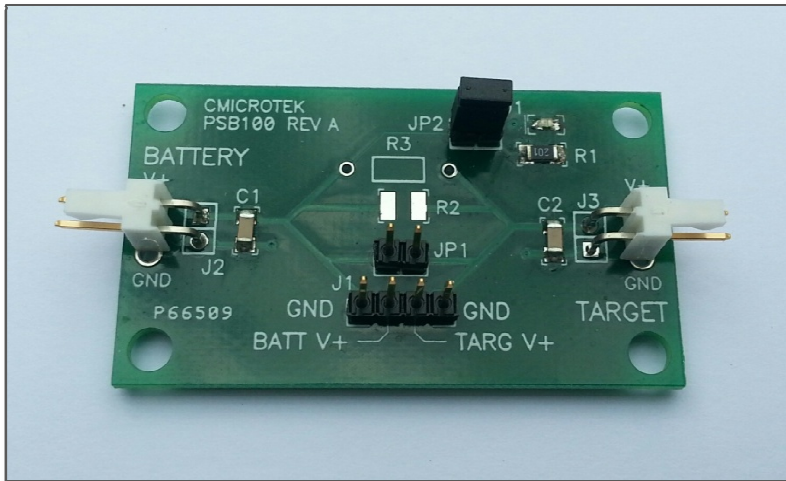


## PSB100 Power Supply Breakout Board



CMicrotek offers the PSB100™ Power Supply Breakout board to make taking current measurements easier. The PSB100 is intended for use with battery powered and DC power supply powered devices.

The PSB100 has the following features:

- Easy connection to a CMicrotek  $\mu$ Current Probe through a 4-pin 0.025" square post header. This allows the Target System Harness wires to plug directly onto the header or connect with micro/mini grabbers.
- Easy insertion into the voltage path with reliable connections, minimizing concern over breaking small gauge battery wires or shorting exposed wires.
- Can be used with the CMicrotek  $\mu$ Current Probe's internal sense resistors or a customer supplied sense resistor installed on the Power Supply Breakout board.
- On-board jumper to bypass the sense resistors to avoid excessive voltage drop across the sense resistor during a power-up current surge.
- LED indicates the power source is connected to the board (may be disabled via jumper)
- Up to 2A high current path for use in a wide variety of applications

### Key Specifications

	PSB100
Maximum continuous current <sup>1</sup>	2A
Connections:	
Power source side	Solder pads or 0.1"spaced 0.025" post header
Target side	Solder pads or 0.1"spaced 0.025" post header
Measurement device interface	4-pin 0.1"spaced 0.025" square post header
External sense resistor support	Pads for 1210 SMT resistor Pads for thru-hole resistor <sup>2</sup>
Size	2.1" L x 1.2" W x 0.5" H

Notes:

1. PSB100 maximum current is based on 25mil wide traces, 2oz. finished plating on a 0.063" thick circuit board with a 21°C trace temperature rise. Higher surge currents and continuous currents can be supported at increased trace temperatures.
2. Resistor pads are spaced 0.4" apart with room for 0.2" diameter resistor body, supporting most 1/4W to 1W resistors.