

|           | Output (DMM) | Input before divider at screw terminals (DMM) | 7107 Vin+ to Vin- (DMM) | Voltmeter display readout | comments       |
|-----------|--------------|---|-------------------------|---------------------------|----------------|
| <b>#1</b> |              |   |                         |                           | * **           |
| 5V        | 5.16V        | 5.15V   | 0.193V                  | "1"                       | Stable         |
| 6V        | 6.63V        | 6.63V   | 0.192V                  | "1"                       | 0.098 – 0.192V |
| 7V        | 7.65V        | 7.65V   | 0.178V                  | "1"                       | 0.097 – 0.178V |
| 9V        | 9.64V        | 9.64V   | 0.179V                  | "1"                       | 0.103 – 0.179V |
| 12V       | 12.66V       | 12.65V  | 0.127V                  | 12.10V                    | Stable         |
| 15V       | 15.7V        | 15.7V   | 0.157V                  | 15.30V                    | Stable         |
|           |              |   |                         |                           |                |
| <b>#2</b> |              |   |                         |                           |                |
| 5V        | 5.27V        | 5.27V   | 0.053V                  | 5.23V                     | Stable         |
| 6V        | 6.74V        | 6.74V   | 0.068V                  | 6.78V                     | Stable         |
| 7V        | 7.69V        | 7.69V   | 0.077V                  | 7.73V                     | Stable         |
| 9V        | 9.63V        | 9.63V   | 0.097V                  | 9.67V                     | Stable         |
| 12V       | 12.68V       | 12.68V  | 0.127V                  | 12.75V                    | Stable         |
| 15V       | 15.6V        | 15.7V   | 0.157V                  | 15.15V                    | Stable         |

\* Could have been my hand moving slightly, looked more like ADC input having difficulty settling on two out of three measurements as it kept happening for these specific voltages but not for the others.

\*\* Am sure I hear a faint high-pitched noise/whine when rotary switch changes 12V to 9V. Not sure which component it is coming from, or if it is something the fan does from time to time and I am focussing on it because of the voltmeter problem, but seems to coincide with 12V down to 9V on supply #1.

Sheet1

|           | <b>Calibration voltage</b> | <b>V+ voltage</b> | <b>V- voltage</b> | <b>Hz on pin 40</b> | <b>Pins 27 – 29<br/>R value</b> |
|-----------|----------------------------|-------------------|-------------------|---------------------|---------------------------------|
| <b>#1</b> | 100mV                      | +5.85V            | -4.25V            | 19.1kHz             | 39K7                            |
|           |                            |                   |                   |                     |                                 |
| <b>#2</b> | 101mV                      | +5.85V            | -4.25V            | 24kHz               | 39K7                            |