

POWERv1.0 Datasheet



The POWERv1.0 is based on standard LM1085 regulators. Please see the LM1085 datasheet for further specifications and features.

Most development environments need either a 3.3V or 5V. This board provides both.

- SparqEE: <http://sparqee.com/>
- Power: <http://www.sparqee.com/products/sparqee-power>
- Forum: <http://www.forum.sparqee.com/>
- Code/Drivers: <http://www.sparqee.com/code-cell/>

Features:

- 5.0-25V input voltage
- 3.3V and 5V output voltage
- 3A max current
- Wire or header pin input

Specification:

Power

- Supply voltage range: 5.0 to 25V
- Current maximum: 3A

Physical

- 26mm x 42mm (1.02" x 1.65")
- Weight: 0.30oz

Operating Temperature

- -40°C to +85°C

Pin Assignment:

Pin	#	Function	Optional/Required	Voltage	I/O
GND	1	Ground connection	Required (or -)	0	I
GND	2	Ground connection	Optional	0	I

5V	3	5V output	Optional	5V	O
5V	4	5V output	Optional	5V	O
3V3	5	3.3V output	Optional	3.3V	O
3V3	6	3.3V output	Optional	3.3V	O
VIN	7	VIN positive supply	Required (or +)	5-25V	I
+		Positive wire connector	Required (or VIN)	5-25V	I
-		Negative wire connector	Required (or GND)	0	I

