CPCI-150Q-DC-47

150 Watts -Rugged 24/28VDC

FEATURES:

- 150 Watts in 3U x 8HP (two slots) x 160mm
- Wide Range DC Input (18 - 40VDC)
- Standard PCI Voltages 5V, 3.3V, ±12V
  +5V/30A, +3.3V/40A, +12V/6A, -12V/2A
- N+1 Redundant with Internal Oring Diodes
- Zero Wire Current Sharing on +5V, +3.3V and +12V Outputs
- IEEE 1101.10 Compliant Front Panel with EMI Gasket, Guide Pins, Injector/ Extractor Handles and Keying
- CompactPCI® Specification PICMG 2.11 R1.0
- Ruggedized Mechanical Design
- Two Year Warranty
- Greater than 500,000 Hrs MTBF in Redundancy

SWITCHING POWER, INC.
Regulated D.C. Power

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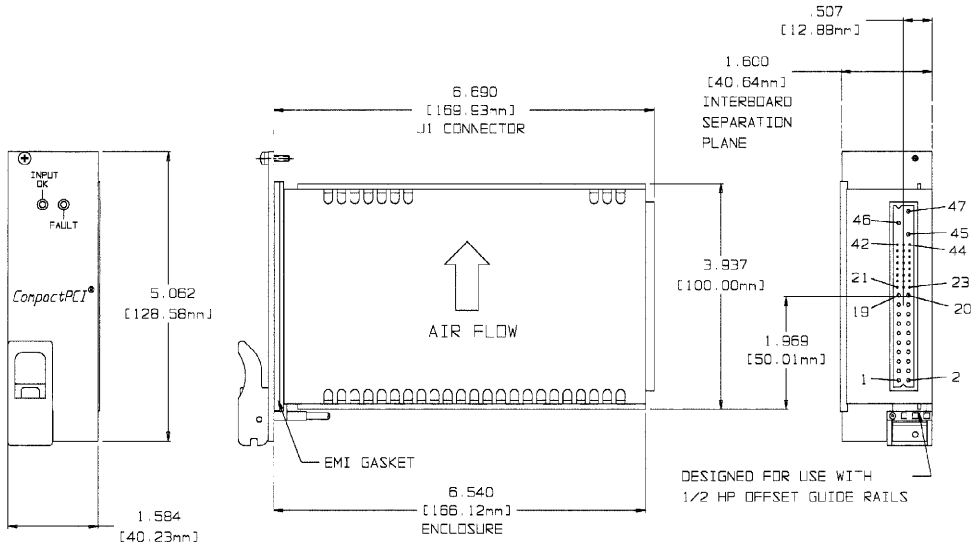

POSITRONIC P/N PCIH47M400A1	
PIN #	SIGNAL
1	+5V
2	+5V
3	+5V
4	+5V
5	RTN
6	RTN
7	RTN
8	RTN
9	RTN
10	RTN
11	RTN
12	RTN
13	+3.3V
14	+3.3V
15	+3.3V
16	+3.3V
17	+3.3V
18	+3.3V
19	RTN
20	+12V
21	-12V
22	RTN
23	N/C
24	-12 RTN
25	GA0
26	N/C
27	ENABLE
28	GA1
29	N/C
30	+5V REMOTE SENSE
31	GA2
32	N/C
33	+3.3V REMOTE SENSE
34	SENSE RTN
35	N/C
36	+12V REMOTE SENSE
37	IPMB_SCLK
38	DEG#
39	INHIBIT
40	IPMB_SDA
41	N/C
42	FAIL
43	IPMB_PWR
44	N/C
45	CHASSIS GND
46	DC (+)
47	DC (-)

Nominal Input Voltage 24/28VDC, 10A max.

Operational Input Voltage Range -18 to -40VDC, 150 Watts Output
Transient input voltage to 75V for 2 Sec.

Inrush Current Less than 4 msec. 30 amperes @ -28VDC

Fusing 16 Ampere, 125 VDC, Internal ceramic body fuse.

Hold up time 1msec minimum after loss of DC Input at full load and any input

Efficiency 65% typical

Turn on time 1 sec max. from power up.

Line and Load Regulation ±2% over DC input range and 0 to 100% load change.

Minimum Load 2A on +5V.

Ripple & Noise Through 20MHz 1% max. or 50mv whichever is greater for all outputs, peak to peak, with coaxial probe and 0.1uF/10uF capacitors at the connector.

Transient Response Output maximum excursion of ± 5% for 25% load step. Recovery less than 500 µsec.

Overshoot/Undershoot No turn-on or turn-off overshoot.

Output Isolation Isolated from chassis ground, 50Vdc.

Input/Output Isolation 1500 VDC from input to both chassis/outputs. SELV construction.

Reverse Voltage Protected against reverse voltage to supply current rating.

Overvoltage Protection Shutdown at 130% of nominal Vout (V1, V2 & V3). V4 failsafe design. Recycle input power to reset.

Overtemperature Protection Unit shuts down if overheated. Recycle DC to reset.

Current Limiting All outputs short circuit protected with foldback overload protection, auto recovery with short circuit removal.

Paralleling Two or more supplies can be operated in parallel and will share 5V/3.3V current to within ±10% of each other.

Redundant Full power N+1 redundant with integral Oring Diodes.

Remote Sense Compensates for up to 0.3V total distribution voltage drop on the +5V, +3.3V and +12V outputs.

INH# Open to Run, Contact closure to return , turns off all outputs.

DEG# Normal logic '1' TTL signal which goes low at least 1 second before over temperature shutdown.

FAIL# Signal Normal logic '1' TTL signal which goes low whenever the +5V or +3.3V outputs fail, an overtemperature condition, an over voltage shut down.

Indicators Green LED indicating Input OK, Red LED indicating a power supply fault.

Cooling 400 Lfpm forced air external fan.

Operating Temperature -20°C to 50°C operating temperature with specified air flow.

Stability All outputs 0.1% for 8 hrs. after 30 minute warm-up.

Humidity Up to 95% non-condensing.

Storage Temperature -40°C to 85°C.

Connector Positronics Part No. PCIH47M400A1

Size 3U x 8HP x 160mm **Weight:** 1.5 lbs.

EMC Meets EN55022 Level A / FCC Class A conducted.

Safety UL 60950, CSA C22.2 No. 60950, EN60950.

REV: -