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Find the *Switching Power CPCI-350Q-P-38* at our website: *Click HERE*

CPCI-350Q-DC-47

400 WATTS - 90Amps Combined Output Current on +5V & +3.3V



FEATURES:

- 400 Watts in 6U x 8HP (two slots) x 160mm
- Wide Range DC Input
- Standard PCI Voltages 5V, 3.3V, ±12V
  +5/50A, +3.3/40A, +12V/12A, -12V/4A
- 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

3601 VETERANS HIGHWAY
RONKONKOMA, NEW YORK 11779
TEL (631) 981-7231 FAX (631) 981-7266

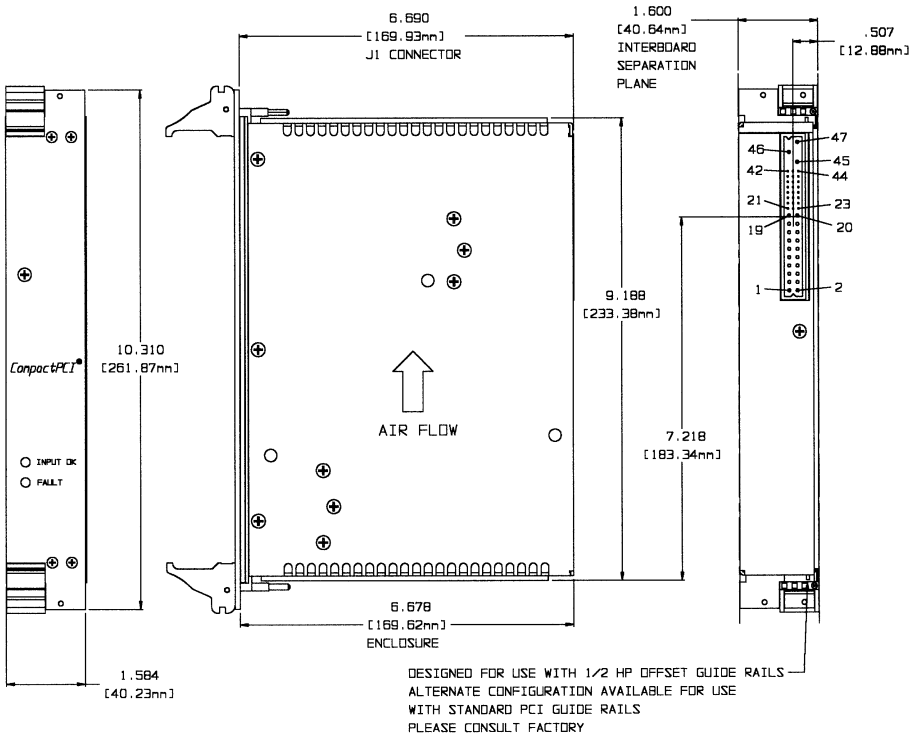
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CPCI-350Q-DC-47

* IN PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING

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



Nominal Input Voltage -48 VDC, 14A max.

Operational Input Voltage Range -36 to -75 VDC
Transients to 140V for 2sec.

Inrush Current Less than 5 msec. 80 amperes @ 48 VDC

Fusing 25 Ampere, 125 VDC, Internal ceramic body fuse.

Hold up time 5msec minimum after loss of DC Input at full load and any input

Efficiency 70% typical

Turn on time 1 sec max. from power up. All output voltages come up within 10msec of each other.

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

Minimum Load 10% on +5V to provide full load regulation on V2 - V4 outputs.

Ripple & Noise Through 20MHz 1% max. or 100mv whichever is greater for all outputs, peak to peak, with coaxial probe and 0.1uF/100uF capacitors at the connector.

Transient Response Output maximum excursion of ± 5% for 50% 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 protection. Automatic recovery upon removal of the short.

Paralleling Two or more supplies can be operated in parallel and will share 5V/3.3V/12V current to within 10% of each other.

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

Remote Sense Compensates for up to 0.5V 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 10°C before over temperature shutdown.

FAIL# Signal Normal logic '1' TTL signal which goes low whenever any of the four 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 required through power supply.

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 6U x 8HP x 160mm **Weight:** 4 lbs.

EMC Meets EN55022 Level A / FCC Class A conducted.

Safety UL 1950, CSA C22.2 No. 950, EN60950.

REV: G

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