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

CPCI-350Q-P-38

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



FEATURES:

- 400 Watts in 6U x 8HP (two slots) x 160mm
- Wide Range AC Input
- Standard PCI Voltages 5V, 3.3V, ±12V
  +5/50A, +3.3/40A, +12V/12A, -12V/4A
- Power Factor Corrected
- 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
- PICMG CompactPCI® Existing Practice Compliant "APPENDIX B"
- Ruggedized Mechanical Design
- Two Year Warranty
- Greater than 500,000 Hrs MTBF in Redundancy

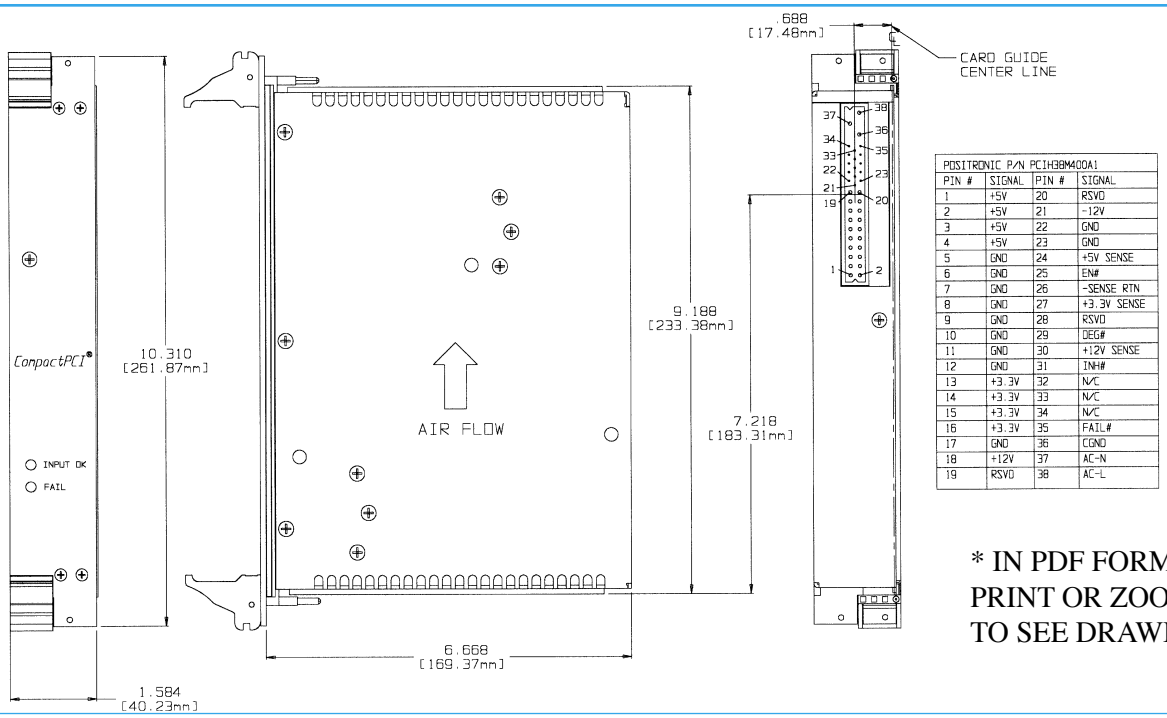
SWITCHING POWER, INC.
Regulated D.C. Power

3601 VETERANS HIGHWAY
RONKONKOMA, NEW YORK 11779
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VISIT US ON THE WEB:
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CPCI-350Q-P-38



POSITRONIC P/N PCIH38M400A1			
PIN #	SIGNAL	PIN #	SIGNAL
1	+5V	20	RSVD
2	+5V	21	-12V
3	+5V	22	GND
4	+5V	23	GND
5	GND	24	+5V SENSE
6	GND	25	EN#
7	GND	26	-SENSE RTN
8	GND	27	+3.3V SENSE
9	GND	28	RSVD
10	GND	29	DEG#
11	GND	30	+12V SENSE
12	GND	31	INH#
13	+3.3V	32	N/C
14	+3.3V	33	N/C
15	+3.3V	34	N/C
16	+3.3V	35	FAIL#
17	GND	36	CGND
18	+12V	37	AC-N
19	RSVD	38	AC-L

* IN PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING

Nominal Input Voltage Frequency 115-240 VAC, 6A max.
47-63 Hz , 400Hz. available.

Operational Input Voltage Range 90-264 VAC
Power Factor 0.99 Typical at Full Load.
Meets EN 61000-3-2.

Inrush Current Less than 4 msec. 30 amperes @ 115 VAC or 60 amperes @ 264 VAC.

Brownout Protection: Holds Regulation to 85 Vac.

Fusing 10 Ampere, 250 VAC, Internal ceramic body fuse.

Hold up time 20msec minimum after loss of AC 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 AC input range and 0 to 100% load change.

Minimum Load 4% 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 2200 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 AC to reset.

Leakage Current 1.0mA max at 240Vac.

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, or an AC input failure (5msec warning before outputs go out of regulation).

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. PCIH38M400A1

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: F

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