



Ph: (714) 917-0749 Fax: (714) 917-0786

# **CompactPCI®**

# 175 and 200 Watt

# Power Supplies

(PICMG® COMPLIANT\*)

### *FEATURES*:

- ✓ Standard PCI Output Voltages: 5.0V, 3.3V, ±12.0V, with Variable Currents.
- ✓ Hot Swap, N+1 Redundant with Internal OR-ing Diodes.
- ✓ .99 Power Factor Corrected AC 90-264V Input, DC 36-72V (48V nom), or DC 18-32V (24V nom).
- ✓ Current Sharing on 5.0V and 3.3V Outputs.
- ✓ Standard 47 Pin or 32 Pin DIN Connector Configurations.
- ✓ Custom Configurations To Meet User Specified Requirements.
- **✓ Excellent Performance, Competitively Priced.**
- ✓ 2 Year Warranty.
- ✓ Complies With All Requirements Of PICMG Power Interface Specifications.
- ✓ Fully Compliant with the EU RoHS Directive.\*\*
- ✓ cULus, TUV, CE Marked.



All statements and technical information contained herein are believed by JE to be reliable as of the publication date of this document, but the accuracy or completeness is not guaranteed, and JE reserves the right to change specifications without prior notification. However, every reasonable effort will be made by JE to inform users of JE products of changes to design form, fit or function that may affect the user's applications. JE manufactures a quality product, equal to any available in the marketplace; however, these products are intended to be used in accordance with the specifications described in this catalog. Any use or application that deviates from the stated operating specifications is not recommended and may be unsafe.

\*\*See Ordering Information.

中国区总代理:上海佳舍珀电子科技有限公司

Cat.# 02127-002 S

<sup>\*</sup>CompactPCI® and PICMG® are registered trademarks of the PCI Industrial Computer Manufacturers Group.

Over/Under Shoot ...... None at turn-on or turn-off.



#### **GENERAL PRODUCT SPECIFICATIONS:**

| Model: PCI204-1022   | GENERAL PRODUCT SPECIFICATIONS.                    |   |  |  |  |  |  |  |
|--|--|---|--|--|--|--|--|--|
| Voltage/Current (V/A)  2.84 max (g) 176W, 12 An ax (g) 200W output, DC 18-32 (g) 176W, 12 An ax (g) 200W output, DC 18-32 (g) 176W, 12 An ax (g) 200W output, DC 18-32 (g) 176W, 12 An ax (g) 200W output, DC 18-32 (g) 176W, 13 An ax (g) 200W output, DC 18-32 (g) 176W, 13 An ax (g) 176W, 14 A.4 max (g) 200W output, Infernal line fuse provided, non-user serviceable. Ac 2.15A, 250V  Infernal line fuse provided, non-user serviceable. Ac 2.15A, 250V  AC Power Factor (g) 99 line PFC typical at AC 115V, full load. Ac Inrush Current (g) 176W, 24V by 176W, 24V by 18-20 (g) 18-20 ( |  | - <u>INPUT</u> -  |  |  |  |  |  |  |
| 6 9.4 max @ 175W, 7.9 A max @ 200W output: DC 18-327 (24W norm). 12.6 A max @ 175W, 14.4 A max @ 200W output: Fusing   | Voltage/Current                                    | 2.8A max @ 175W, 3.2A max @ 200W output; <b>DC</b> 36-72V (48V nom),  | Over Current/Short   | Current limit on all outputs. Automatic recovery   |  |  |  |  |
| AC 315A, 250V; 38V DC - 10.00. 24V DC - 30.0A. AC Power Factor 0.99 line PFC typical at AC 115V, full load. AC Inrush Current Thermistor soft start - 25°C AC cold start current 15Apk @ AC 115V; Moke @ AC 230V; Transient Protection MOV. Withstands transients as specified by IEEE C62.41 skV (differential and common mode).  EMI Filtering Moets IFCC Level B, and EN 55022 Level B (conducted).  EMI Filtering Moets IFCC Level B, and EN 55022 Level B (conducted).  EMI Filtering Moets IFCC Level B, and EN 55022 Level B (conducted).  EMI conducted To 150 power N-1 redundant, hot swap capable.  - OUTPUTS-  Voltage/Current (V/A) 1 V2 V3 V4 Model: PC1174-1022 5.0725, 3.320, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 5.0725, 3.320, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 5.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 5.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 5.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 5.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 F. S.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 F. S.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 F. S.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 F. S.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 F. S.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 F. S.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Model: PC124-1022 F. S.0725, 3.333, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 30A.  Vis. 0.25V min load fo till load.  Vis. 0.25V min lo                                     |  | DC 18-32V (24V nom),  | Protection   | Internal temperature sensing. Causes all outputs   |  |  |  |  |
| AC inrush Current. Themistor soft start ~29°C AC cold start current is Tabyle @ AC 115V: 30Apk @ AC 230V.  Transient Protection. MOV. Withstands transients as specified by IEEE C82.41 3KV (differential and common mode).  EMI Filtering. Meets IFCC Level B, and EN 55022 Level B (conducted).  EMI Filtering. Meets IFCC Level B, and EN 55022 Level B (conducted).  Efficiency. 77% typical at AC 115V, full load.  Redundant/Hot Swap. Full power N+1 redundant, hot swap capable.  **OUTPUTS**  Voltage/Current (V/A). V1 V2 V3 V4 Model: PC174-1022 5.025, 3.320, +12/6.0, -12/1.0.  **Total loading on all outputs not to exceed 30'Av. Combined load on V1 + V2 not to exceed 30'Av. Combined load on V1 + V2 not to exceed 30'Av. Combined load on V1 + V2 not to exceed 30'Av. Combined load on V1 + V2 not to exceed 30'Av. Total loading on all outputs not to exceed 30'Av. Combined load on V1 + V2 not to excee | Fusing   | AC- 3.15A, 250V;  | o o  | triggers the power fail warning signal.  |  |  |  |  |
| AC Inrush Current Thermistor soft start. ~25°C AC cold start current 15Apk @ AC 115°C 3Apk @ AC 320°C apk @ AC 150°C 3Apk @ AC 30°C 3Apk      | AC Power Factor                                    | . 0.99 line PFC typical at AC 115V, full load.  | Protection   |  |  |  |  |  |
| Remote Enable   Remote Enabl   | AC Inrush Current                                  |   |  | to latch off. Remote inhibit, enable or input  |  |  |  |  |
| EMI Filtering  | Transient Protection                               | IEEE C62.41 3KV (differential and common  |  |  |  |  |  |  |
| Efficiency   | EMI Filtering                                      | . Meets IFCC Level B, and EN 55022 Level B  |  | Disabled by open circuit or TTL logic 1.   |  |  |  |  |
| Power Fail Warning Loss of input AC cases a 1 It. Compatible signs to go for y-4msec prior to any output ropping out of regulation. At AC turn-on, signal stays flow for India loading on all outputs not to exceed 30A.  Model: PCI174-1022 5.07.55 3.37.20 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 30A.  Model: PCI204-1022 5.07.30 3.37.25 + 12/6.0, −12/1.0, DPCI204-1022 5.07.33 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 JP 5.07.35 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 JP 5.07.55 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 JP 5.07.55 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 JP 5.07.55 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 JP 5.07.55 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 JP 5.07.55 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 JP 5.07.55 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 JP 5.07.55 3.37.33 + 12/6.0, −12/1.0, Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Line Regulation. At the Sense Point. Variable Provided       | Efficiency   | ` '   |  | Disabled by closed circuit or TTL logic 0.   |  |  |  |  |
| Voltage/Current (V/A)  |  |   | Power Fail Warning   |  |  |  |  |  |
| Mödel: PCI174-1022 POPCI14-1022 Total loading on all outputs not to exceed 175W. Combined load on V1 + V2 not to exceed 175W. Combined load on V1 + V2 not to exceed 30A.         LED Indicator         Dual LEDs. Green indicates input power ON and outputs within regulation. Off or Amber indicates input and/or output power fault.         LED Indicator         Dual LEDs. Green indicates input power ON and outputs more fault.           Model: PCI204-1022 5.0/33, 3.3/25, +12/6.0, −12/1.0. Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.         Operating Emperature 0° − 50°C ambient at full load, with specified airflow.           Model: PCI204-1022 f.P* 5.0/25, 3.3/25, +12/6.0, −12/1.0. Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 200W. Combined load on V1 + V2 not to exceed 200W. Sense leads connected.         Cooling         A minimum of 15 cfm / 400 lfm direct forward airflow.           Line Regulation         —At the Sense Point, Over Full Input Range <±1%, sense leads connected.  |  | - <u>OUTPUTS</u> -  |  | out of regulation. At AC turn-on, signal stays low until all outputs are in regulation. PF signal also |  |  |  |  |
| Model: PCI204-1022 5.0/30, 3.3/25, +12/6.0, −12/1.0.  Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 / P 5.0/25, 3.3/25, +12/6.0, −12/1.0.  PDFCI204-1022 / P 5.0/25, 3.3/25, +12/6.0, −12/1.0.  PDFCI204-1022 / P 5.0/25, 3.3/25, +12/6.0, −12/1.0.  Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 200W. Combined load on V1 + V2 not to exceed 200W. Combined load on V1 + V2 not to exceed 200W. Combined load on V1 + V2 not to exceed 200W. Combined load on V1 + V2 not to exceed 200W. Combined load on V1 + V2 not to exceed 200W. Combined load on V1 + V2 not to exceed 35A.  Line Regulation.  At the Sense Point, Over Full Input Range <±1%, sense leads connected.  Load Regulation.  Output voltage droops with increasing load.  V1: 0.25V min load to full load; V2: 0.15V no load to full load; V2: 0.25V no load to full load; V3: 0.25V no load to full load;  | Model: PCI174-1022<br>DPCI174-1023<br>Total loadir | 5.0/25, 3.3/20, +12/6.0, -12/1.0.<br>5.0/25, 3.3/20, +12/6.0, -12/1.0.<br>ag on all outputs not to exceed 175W. | LED Indicator  | Dual LEDs. Green indicates input power ON and outputs within regulation. Off or Amber indicates        |  |  |  |  |
| Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 38A.  Model: PCI204-1022 / P* 5.0/25, 3.3/25, +12/6.0, -12/1.0.  PPCI204-1022 / P* 5.0/25, 3.3/25, +12/6.0, -12/1.0. Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 35A.  Line Regulation   | Model: PCI204-1022                                 | 5.0/30, 3.3/25, +12/6.0, -12/1.0.   |  |  |  |  |  |  |
| Total loading on all outputs not to exceed 200W. Combined load on V1 + V2 not to exceed 35A.  Line Regulation  | Total loading                                      | ig on all outputs not to exceed 200W.   | Operating Temperature 0° – 50°C ambient at full load, with specified |  |  |  |  |  |
| Sense leads connected.  Load Regulation  | DPCI204-1022<br>Total loadir                       | 2/P* 5.0/25, 3.3/33, +12/6.0, –12/1.0. g on all outputs not to exceed 200W.                                     | Cooling  | airflow required to achieve full rated power and specified MTBF. Consult factory for derating          |  |  |  |  |
| Load Regulation  | Line Regulation                                    |   | Relative Humidity Up to 90% RH, non-condensing.                      |  |  |  |  |  |
| V1: 0.25V no load to full load; V2: 0.15V no load to full load; V3: 0.25V no load to full load; V3: 0.25V no load to full load.  *Minimum Loading  | Load Regulation                                    |   |  |  |  |  |  |  |
| *Minimum Loading 5% minimum on V1 for standard models. None required for option "P" models.  Stability   |  | V1: 0.25V min load to full load;<br>V2: 0.15V no load to full load;   |  |  |  |  |  |  |
| required for option "P" models.  Stability   |  | V3: 0.25V no load to full load.   | Altitude Operating to 10,000 ft; Storage to 30,000                   |  |  |  |  |  |
| Temp. Coefficient  | *Minimum Loading                                   |   | MTBF Designed for 150,000 hrs at 25°C.                               |  |  |  |  |  |
| Temp. Coefficient  | Stability  | ·   |  | - <u>INTERCONNECT</u> -  |  |  |  |  |
| Dynamic Response Less than 3% deviation with a 25% load change at 1A/μsec. Output returns to within 1% in less than 300μsec.  Ripple and Noise  (PARD)   | Temp. Coefficient                                  | . <±0.02%/°C, 0° - 50°C, after 20 minute warm-up.   |  |  |  |  |  |  |
| (PARD)   |  | at 1A/µsec. Output returns to within 1% in less   | 47 Circuit   | Positronic Ind. P/N PCIH47M400A1.<br>Mates with PI P/N PCIH47F300A1.<br>Contact factory.               |  |  |  |  |
| nominal, which ever is greater, DC to 20MHz bandwidth with a coaxial probe and 0.1μF/22μF capacitors at the output terminals.  Current Sharing/ Parallel N+1 Operation V1, V2, V3 Outputs. Droop method standard. Optional single wire design in development. Consult factory for availability.  Remote Sense V1, V2, V3 outputs compensate for up to 0.25V total line drop in the load cables. Outputs are  -MECHANICAL-  Outline   |  | For all outputs, 50mV max or 1% peak-to-peak  |  |  |  |  |  |  |
| Current Sharing/ Parallel N+1 Operation V1, V2, V3 Outputs. Droop method standard. Optional single wire design in development. Consult factory for availability.  Remote Sense   | (,   | nominal, which ever is greater, DC to 20MHz   |  | - <u>MECHANICAL</u> -  |  |  |  |  |
| Remote Sense   |  | V1, V2, V3 Outputs. Droop method standard. Optional single wire design in development.                          |  | #02102-000 or the Mechanical Outline in this catalog. Complies with all current PICMG®                 |  |  |  |  |
| total line drop in the load cables. Outputs are Retaining Latches Supplied with a single Rittal #3688.779 Type VII   | Remote Sense                                       |   | Weight   | Approx: 1.8 lbs / 1.06 kgs.  |  |  |  |  |
| internally sensed if leads are opened. (Telecom) Lower Latch. Other manufacturers and types available. Consult factory.  |  | total line drop in the load cables. Outputs are internally sensed if leads are opened.                          | (Telecom) Lower Latch. Other manufacturers                           |  |  |  |  |  |

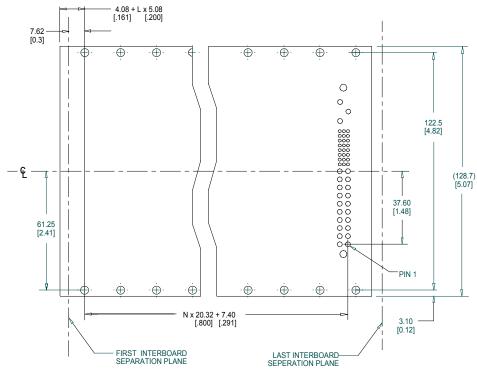
## **JASPER ELECTRONICS**

中国区总代理:上海佳舍珀电子科技有限公司



| Guide Ra                            | ils      | Supp           | olied with .260[6.61] offset guide rails for | 22B                             | 2         | +5.0V         | V1 Output.                            |  |  |
|-------------------------------------|----------|----------------|--|---------------------------------|-----------|---------------|---------------------------------------|--|--|
|                                     |          |                | with Rittal 3687.832 (or equivalent) PSU     | 25B                             | 2         | DC Com        | DC Common Return.                     |  |  |
|                                     |          | guide          | es.  | 28,31B                          |           | N/C           | No Connection.                        |  |  |
| Front Par                           | nel Over | lav Supr       | olied with Lexan overlay and JE Logo. May    | ,                               |           |               |                                       |  |  |
|                                     |          |                | eleted, or supplied with customer specified  | 47 Pin I/O Connector Functions: |           |               |                                       |  |  |
|                                     |          |                | or other information. Consult factory.       |                                 |           |               |                                       |  |  |
|                                     |          | _              | CAFETY                                       | PIN#                            | SEQ       | ) FUNCTIO     | ON                                    |  |  |
| All AC Mo                           | adala    |                | - <u>SAFETY</u> -                            | 01-04                           | 2         | +5.0V         | V1 Output.                            |  |  |
|                                     |          | Poss           | ognized to U.S. and Canadian Bi-National     | 05-12                           | 2         | GND           | V1+V2 Return.                         |  |  |
| 48 V DC only                        |          |                | dard CSA C22.2 No. 60950 / UL 60950,         | 13-18                           | 2         | +3.3V         | V2 Output.                            |  |  |
|                                     |          | Third          | I (3 <sup>rd</sup> ) Edition (cULus);        | 19                              | 2         | GND           | V3 Return.                            |  |  |
|                                     |          |                | approved to TUV EN60950/A1-A4/A11.           | 20                              | 2         | +12.0V        | V3 Output.                            |  |  |
|                                     |          |                | Marked. CB Reports available on request.     | 21                              | 2         | -12.0V        | V4 Output.                            |  |  |
| ·                                   |          |                |  | 22                              | 2         | RTN           | Signal Return.                        |  |  |
| 24V DC Models Pending.              |          |                |  | 23                              | 2         | N/C           | No Connection (Reserved).             |  |  |
| 22 Din DIN I/O Connector Functions. |          |                |  | 24                              | 2         | GND           | V4 Return.                            |  |  |
| 32 Pin DIN I/O Connector Functions: |          |                |  | 25,26                           | 2         | N/C           | No Connection (Reserved).             |  |  |
| PIN#                                | SEO(1    | FUNCTIO        | ON   | 27                              | 3         | R/EN          | Remote Enable. Close circuit to GND.  |  |  |
| 2B                                  | 2        | Input Pwr      | Line (L) AC Power Input.                     | 28,29                           | 2         | N/C           | No Connection (Reserved).             |  |  |
| 5B                                  | 2        | Input Pwr      | Neutral (N) ACC Power Input.                 | 30                              | 2         | +S1           | +5.0V (V1) Remote Sense.              |  |  |
| 8B                                  | -        | N/C            | No Connection.                               | 31,32                           | 2         | N/C           | No Connection (Reserved).             |  |  |
| 11B                                 | 1        | PE             | Protective Earth (chassis) Ground.           | 33                              | 2         | +S2           | +3.3V (V2) Remote Sense.              |  |  |
| 13A                                 | 2        | N/C            | No Connection.                               | 34                              | 2         | S-RTN         | Sense Return for V1, V2, V3.          |  |  |
| 13-18B                              | 2        | +3.3V          | V2 Output.                                   | 35                              | 3         | ISHR-1        | +5.0V (V1) Current Share (Option C).  |  |  |
| 13 10B                              | 3        | R/EN           | Remote Enable. Close circuit to GND.         | 36                              | 2         | +S3           | +12.0V (V3) Remote Sense.             |  |  |
| 14A                                 | 2        | R/INH          | Remote Inhibit. Close circuit to GND.        | 37                              | 2         | N/C           | No Connection (Reserved).             |  |  |
| 14C                                 | 2        | DEG            | Thermal Degrade Signal.                      | 38                              | 2         | DEG           | Thermal Degrade Signal.               |  |  |
| 15A                                 | 2        | N/C            | No Connection.                               | 39                              | 2         | R/INH         | Remote Inhibit. Close circuit to GND. |  |  |
| 15C                                 | 2        | PF             | Power Fail Signal.                           | 40                              | 2         | N/C           | No Connection (Reserved).             |  |  |
| 16A                                 | 2        | S-RTN          | Sense Return.                                | 41                              | 3         | ISHR-2        | +3.3V (V2) Current Share (Option C).  |  |  |
| 16,18C                              | 2        | N/C            | No Connection.                               | 42                              | 2         | PF            | Power Fail Signal.                    |  |  |
| 10,18C                              | 2        | +S1            | +5.0V (V1) Remote Sense.                     | 43                              | 2         | N/C           | No Connection (Reserved).             |  |  |
| 17C                                 | 2        | N/C            | No Connection.                               | 44                              | 3         | ISHR-3        | +12.0V (V3) Current Share (Option C). |  |  |
| 18A                                 | 2        | +S2            | +3.3V (V2) Remote Sense.                     | 45                              | 1         | PE            | Protective Earth (chassis) Ground.    |  |  |
| 19A,C                               | 2        | N/C            | No Connection.                               | 46                              | 2         | Input Pwr     | PCI: Neutral (N) ACC Power Input      |  |  |
| 19A,C                               | 2        | +12.0V         | V3 Output.                                   |                                 |           | F             | DPCI: +DC.                            |  |  |
| 20A,C                               | 2        | +12.0 V<br>N/C | No Connection.                               | 47                              | 2         | Input Pwr     | PCI: Line (L) AC Power Input.         |  |  |
| 20A,C<br>20B                        | 2        | -12.0V         | V4 Output.                                   | • •                             | =         | -F            | DPCI: -DC.                            |  |  |
| 20 <b>D</b>                         | 2        | -12.0 V        | v <del>4</del> Ծաւքա.                        | (1) C                           | Contact r | nating sequer | nce. 1= First to make/Last to break.  |  |  |
|                                     |          |                |  | (1)                             | omuet 1   | bequei        | I mot to make, East to ordan.         |  |  |

Backplane Connector Locations, Viewed from the Front of the Enclosure (Not to Scale)

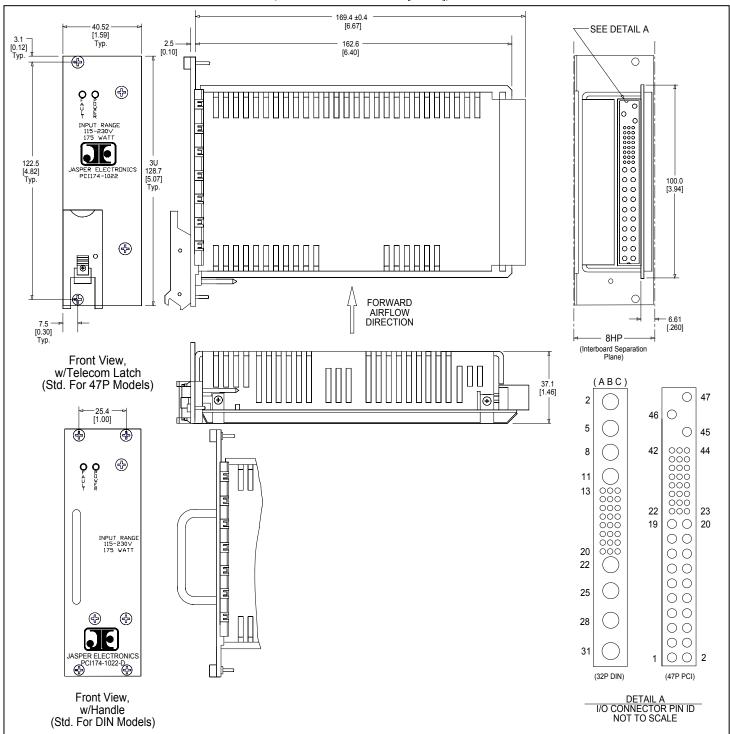


电话:021-50349737|手机:13764303579|电子邮件:roman.xiao@fitpower.cn|www.fitpower.cn



#### Mechanical Outline

(Dimensions in millimeters [inches])



#### -LIMITED WARRANTY POLICY-

All Jasper Electronics (JE) standard model power supplies and products are guaranteed to be free of defects in work-manship and materials for a minimum of two (2) years from the date of original shipment, when operated within specification. This warranty applies only to defects that result in a failure to perform to published specifications. Non-standard (custom) power supplies and products may be warranted on an individual basis. The unused portion of this warranty is fully transferable with the original equipment in which the power supply is installed. Contact the factory and request JE Document # 01109-002 for additional information.



#### **ORDERING INFORMATION:**

A 4 to 8-character option code is required following the base model description to define the desired model configuration. Codes added in the following sequence, 1 from each category:

| *       | PCI174-1022-<br>PCI204-1022- | (1)       | /(2)    | -(3)    | (4)      | (5)   | (6)     | (7)       | (8)       |
|---------|------------------------------|-----------|---------|---------|----------|-------|---------|-----------|-----------|
| *Input: | Base Model                   | Connector | Input   | Current | Internal | Latch | Overlay | -MXXXX    | RoHS      |
| AC –    | w/ Vout Code.                | Type      | Voltage | Share   | V1       | Type  | Type    | User      | Compliant |
| Blank   | 174 – 175W                   |           |         |         | Preload  |       |         | Specified | Model     |
| DC – D  | 204 - 200W                   |           |         |         |          |       |         | Config.   |           |

#### - \* Configuration Options -

| - <u>* Configuration Options</u> - |  |  |  |  |  |
|------------------------------------|--|--|--|--|--|
|                                    | <u>de</u> :<br>= 47 pin (PICMG standard);<br>= 32 pin DIN41612 (available on AC input models only).  |  |  |  |  |
|                                    | <ul><li>No code for AC or 48V DC input used;</li><li>Required for 24V DC input models only.</li></ul>  |  |  |  |  |
|                                    | <ul> <li>Standard configuration. Droop method (no code letter required);</li> <li>Optional single wire I-SHR for V1, V2, V3 (47 I/O circuit models only).<br/>(Consult factory for availability.)</li> </ul>   |  |  |  |  |
|                                    | <ul><li>Standard configuration. Refer to minimum external preload requirements in<br/>the general specifications.</li><li>Optional internal preload on V1.</li></ul>   |  |  |  |  |
| 0                                  | <ul> <li>Standard Telecom Type VII; or, for 32P DIN models, standard handle;</li> <li>Optional Type IV; no options for 32P DIN models;</li> <li>None provided (no latch for 47P PCI models or handle for 32P DIN models).</li> </ul>   |  |  |  |  |
| B<br>N<br>NN                       | <ul> <li>Standard (JE Logo, model designation, etc);</li> <li>Blank (No logo, model designation, etc);</li> <li>No overlay provided;</li> <li>No overlay; in addition, the front panel including the EMI strip is also deleted. For user provided panel or custom enclosure applications. Note: Removal of the panel does not violate safety enclosure requirements or integrity. Contact the factory for panel fastener type, max penetration depth and location information.</li> <li>Custom – User specified. See (7).</li> </ul>   |  |  |  |  |
| (7) Custom ConfigurationM          | = Modified, followed by a factory assigned 4-digit number to identify a user specified configuration. Such models may include special or non-standard features and/or options, or be in a configuration differing sufficiently from the design of the approved similar standard model from which it is derived to require re-evaluation of all or part of the design to insure continuing compliance with all safety requirements. Option codes 3,4,5,6 may not be present in the model description as these requirements are generally included in the user specification documentation on file with the factory. Consult the factory for exact requirements. (May incur additional cost. Consult factory.) |  |  |  |  |
| (8) RoHS 6 CompliantG              | = Jasper products that are fully compliant with the requirements of Directive 2002/95/EC Restrictions of Hazardous Substances (RoHS) are identified with the letter code "G" either included in or adjacent to the model description on the unit labels and related documents (sales orders, etc). All materials, processes and  |  |  |  |  |

Examples: PCI204-1022-4-PSNG

DPCI204-1022-D-M5793 (Custom config.)

DPCI174-1022-4/24-SS

packaging used in the assembly and shipping of this product comply. *Available in the 2<sup>nd</sup> Quarter of 2006.* 

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