



FEATURES

- Inputs: >.99 Power Factor Corrected AC 90-264V, or DC 36-72V or DC 20-28V
- Hot Swap, N+1 Redundant with Internal OR-ing Diodes
- Single Wire Current Sharing
- Available with PICMG Standard 47 Pin and Optional 38 Pin I/O Connector Configurations
- Custom Configurations To Meet
 User Requirements
- Complies With All Requirements
 Of PICMG Power Interface
 Specifications

• cUL, TUV and CE Marked

CONTACT

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CompactPCI[®] Series

350 Watt Power Supplies

(PICMG[®] COMPLIANT)



COMPACTPCI® SERIES FRONT VIEW

GENERAL OVERVIEW

Jasper's Compact PCI Power Supplies comply with the industry standard PICMG requirements and are available in AC or DC input, from 175W to 500W DC output.

FEATURES ON SELECT MODELS INCLUDE:

- AC/DC: 90-264VAC Input 175, 200, 250, 300, 350, & 500 Watt Models 3U & 6U x 8HP
- DC/DC: 18-72VDC Input 175, 200, 250, 300, 350, & 500 Watt Models 3U & 6U x 8HP
- PICMG 2.11 Compliant
- Active PFC

CE

- UL/CSA, NEMKO/TUV & CE Certified
- RoHS Compliant
- Current Sharing on 3.3, 5 & +12V Rails
- Hot Swap & ORing Diodes N+1 Operation
- Standard 47 Pin Output Connector with 38 & 32 Pin Options (Some Models)
- Models can be ruggedized against high shock, vibration, and humidity to meet MIL-STD-810 requirements
- Customizing To Meet Your System Requirements Is Our Specialty



(5P





TECHNICAL SPECIFICATIONS

Voltage/ Current AC 90-264/, 47-614b, 70A Max, DC 20-2010, 12VDC Fusing Internal line fuse provided, non-user serviceable AC 100A, 250VAC 48V DC - 200A, 12VDC 24V DC - 250A, 12VDC 24V DC - 250A, 12VDC 24V DC - 250A, 12VDC AC Tomas 250VAC 48V DC - 200A, 12VDC 24V DC - 250A, 12VDC AC Transient Protection 099 line PFC typical at AC 115V, full load Inrush Current Thermistor off start (-25% Cold start) 155Ag & AC 115V, 30Agk & AC 230V 155Ag & AC 115V 65W at DC 24V or 48V AC Transient Protection MOV. Withstands differential and common mode transients as specified by IEEE C62.41 3KV AC Ethil Filtering Meets IFCC Level A, and EN 5502 Level A Efficiency Typical, full load 60% at AC 115V 65W at DC 48V, 69% at DC 24V V4 AC Model: PCI354-1022 5.0/40 3.3/40 +12/9 -12/1 VOLtage/Current (V/A) V1 V2 V3 V4 AC Model: PCI364-1022 5.0/40 3.3/40 +12/9 -12/1 VOLtage/Current (V/A) V1 V2 V3 V4 AC Model: PCI364-1022 5.0/40 3.3/40 +12/9 -12/1	INPUT				
AC - 10.0A, 250VACC, 48V DC - 20.0A, 125VDC AC Power Factor 0.99 line PFC typical AC 115V, full load Inrush Current Thermistor soft start (~25V C cold start) 15Apk @ DC 24V or 48V AC EMI Filtering MoV. Withstands differential and common mode transients as specified by IEEE C62.41 3KV AC EMI Filtering Meets FCC Level A, and EN 55022 Level A Efficiency Typical full load: 60% at AC 115V 65% at DC 48V: 60% at DC 24V V3 Redundant/Hot Swap Full power N+1 redundant. OUTPUT V2 V3 Voltage/Current (V/A) V1 V2 V3 AC Model: PC1354-1022 5.0/40 3.3/40 +12/9 -12/1 42VDC Model: DPC1304-1022 5.0/40 3.3/40 +12/9 -12/1 24VDC Model: DPC1304-1022 5.0/40 3.3/40 +12/9 -12/1 24VDC Model: DPC1304-1022 5.0/40 3.3/40 +12/9 -12/1 24VDC Model: DPC1304-1022 5.0/40 3.3/40 +12/9 -12/1 5503 Catal loading on all outputs not to exceed 350W - - 24VDC Model: DPC1304-1022 5.0/40 3.3/40 +12/5	Voltage/ Current	DC 36-72V (48V nom.), 16.	0A Max		
Inrush Current Thermistor soft start (~25°C cold start) 15Apk @ AC 115V; 30Apk @ AC 230V 15Apk @ C 24V et 8U AC Transient Protection MOV. Withstands differential and common mode transients as specified by IEEE C62.41 3KV AC EMI Filtering Meets IFCC Level A, and EN 55022 Level A Efficiency Efficiency Typical, full load; 60% at AC 115V 65% at DC 48V; 60% at DC 24V For an and the start of th	Fusing	AC- 10.0A, 250VAC; 48V DC- 20.0A, 125VDC			
1SApk @ AC 11SV: 30Apk @ AC 230V 1SApk @ DC 24V or 48VAC Transient ProtectionMOV. Withstands differential and common mode transients as specified by IEEE C62.41 3KVAC EMI FilteringMeets IFCC Level A, and EN 55022 Level AEfficiencyTypical, full load: 60% at AC 11SV 65% at DC 24V or 80% at DC 24VRedundant/Hot SwapFull power N+1 redundant, hot swap capableOUTPUTV1V2V3Voltage/Current (V/A)V1V2V3AC Model: PC1354-10225.0/403.3/40+12/9-12/14SVDC Model: PC1354-10225.0/403.3/40+12/9-12/124VDC Model: DPC1304-10225.0/403.3/30±12/5-12/1Total loading on all outputs not to exceed 350W24VDC Model: DPC1304-10225.0/303.3/30±12/5-12/1Total loading on all outputs not to exceed 350WLine/ Load RegulationAt the Sense Point, Over Full Input Range 0 - 100% Output Loading <±1% for V1, V2, V3, sense leads connected. <ts% for="" th="" v4<="">Minimum LoadingNone required for single unit applications. 10% loading required in N+1, N2 configurationsStabilityOutput diff <t-0.2% 20="" after="" minute="" th="" warm-up<="">Dynamic ResponseLess than 3% deviation with a 25% load change at 1A/µsec. Output returns to within 1% in less than 300µsecRipple and Noise (PARD)For all outputs, S0mV max or 1% peak-to-peak nominal, which ever is greater, DC to 20MHz bandwidth with a coaxial probe and 0.1µf/22µf capacitors at the output terminalsCurrent Sharing/ Parallel N+1 OperationV1, V2, V3 outputs compensate for up to 0.2SV total line drop in th</br></t-0.2%></ts%>	AC Power Factor	0.99 line PFC typical at AC	115V, full load		
AC EMI Filtering Meets IFCC Level A, and EN 55022 Level A Efficiency Typical, full load: 60% at AC 115V 65% at DC 24V Redundant/Hot Swap Full power N+1 redundant, hot swap capable OUTPUT V2 V3 V4 AC Model: PCI354-1022 5.0/40 3.3/40 +12/9 -12/1 48VDC Model: DPCI354-1022 5.0/40 3.3/40 +12/9 -12/1 48VDC Model: DPCI354-1022 5.0/40 3.3/40 +12/9 -12/1 48VDC Model: DPCI354-1022 5.0/40 3.3/30 +12/5 -12/1 Total loading on all outputs not to exceed 350W 24VDC Model: DPCI304-1022 5.0/30 3.3/30 +12/5 -12/1 Total loading on all outputs not to exceed 300W 24VDC Model: DPCI304-1022 5.0/30 3.3/30 +12/5 -12/1 Total loading on all outputs not to exceed 300W 24VDC Model: DPCI304-1022 5.0/30 3.3/30 +12/5 -12/1 Total loading on all outputs not to exceed 300W 24VDC Model: DPCI304-1022 5.0/30 3.3/40 +12/5 -12/1 Total loading on all outputs not to exceed 300W 24% for V1, V2, V3, sense leads connection. Casesho for V4 Minimum Loading None requ	Inrush Current	15Apk @ AC 115V; 30Apk @ AC 230V			
Efficiency Typical, full load: 60% at AC 115V 65% at DC 48V, 60% at AC 24V Redundant/Hot Swap Full power N+1 redundant, hot swap capable OUTPUT Voltage/Current (V/A) V1 V2 V3 V4 AC Model: PCI354-1022 5.0/40 3.3/40 +12/9 -12/1 4800 C Model: DPCI354-1022 5.0/40 3.3/40 +12/9 -12/1 4800 C Model: DPCI354-1022 5.0/40 3.3/30 +12/5 -12/1 4800 C Model: DPCI364-1022 5.0/40 3.3/30 +12/5 -12/1 5800 C Model: DPCI304-1022 5.0/30 3.3/30 +12/5 -12/1 5800 C Model: DPCI304-1022 5.0/30 <th>AC Transient Protection</th> <th>MOV. Withstands different</th> <th>ial and common mode t</th> <th>ransients as specified by IE</th> <th>EE C62.41 3KV</th>	AC Transient Protection	MOV. Withstands different	ial and common mode t	ransients as specified by IE	EE C62.41 3KV
65% at DC 48V, 60% at DC 24V Redundant/Hot Swap Full power N+1 redundant, hot swap capable OUTPUT V3 V4 AC Model: PCI35A-1022 5.0/40 3.3/40 +12/9 -12/1 48VDC Model: DPCI354-1022 5.0/40 3.3/40 +12/9 -12/1 48VDC Model: DPCI354-1022 5.0/40 3.3/40 +12/9 -12/1 24VDC Model: DPCI364-1022 5.0/30 3.3/30 +12/5 -12/1 24VDC Model: DPCI364-1022 At the Sense Point, Over Full Input Range 0 - 100% Output Coding < 12/1 24VDC Model: DPCI364-10	AC EMI Filtering	Meets IFCC Level A, and El	N 55022 Level A		
OUTPUT Voltage/Current (V/A) V1 V2 V3 V4 AC Model: PCI354-1022 5.0/40 3.3/40 +12/9 -12/1 48VDC Model: DPCI354-1022 5.0/40 3.3/40 +12/9 -12/1 Total loading on all outputs not to exceed 350W 24VDC Model: DPCI304-1022 5.0/30 3.3/30 +12/5 -12/1 Total loading on all outputs not to exceed 300W 12/1 -12/1 -12/1 -12/1 Total loading on all outputs not to exceed 300W 1100K Ange 0 - 100% Output Loading <±1% for V1, V2, V3, sense leads connected. <±5% for V4 -12/1 Minimum Loading None required for single unit applications. 10% loading required in N+1, N2 configurations Stability Output drif <±0.2% after 20 minute warm-up Temperature Coefficient <±0.02%/C, 0° - 50°C, after 20 minute warm-up Dynamic Response Less than 300 usec Ripple and Noise (PARD) For all outputs, 50mV max or 1% peak-to-peak 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 compensate for up to 0.25V total line drop in the load cables. Outputs are intermaly sensed if leads are opened <tr< th=""><th>Efficiency</th><th colspan="3"></th><th></th></tr<>	Efficiency				
Voltage/Current (V/A)V1V2V3V4AC Model: PCI354-10225.0/403.3/40+12/9-12/148VDC Model: DPCI354-10225.0/403.3/40+12/9-12/1Total loading on all outputs not to exceed 35UW24VDC Model: DPCI364-10225.0/303.3/30+12/5-12/1Total loading on all outputs not to exceed 300WLine/ Load RegulationAt the Sense Point, Over Full Input Range 0 - 100% Output Loading <±1% for V1, V2, V3, sense leads connected. <±5% for V4Minimum LoadingNone required for single unit applications. 10% loading required in N+1, N2 configurationsStabilityOutput drift <±0.2% after 20 minute warm-upTemperature Coefficient<±0.02%/°C, 0° - 50°C, after 20 minute warm-upDynamic ResponseLess than 3% deviation with a 25% load change at 1A/µsec. Output returns to within 1% in less than 300µsecRipple and Noise (PARD)For all outputs, S0mV max or 1% peak-to-peak nominal, which ever is greater, DC to 20MHz bandwidth with a coaxial probe and 0.1µF/22µF capacitors at the output terminalsCurrent Sharing/ Parallel N+1 OperationV1, V2, V3 outputs. Single wire connection for ±10% current sharing between any number of unitsRemote SenseV1, V2, V3 outputs compensate for up to 0.25V total line drop in the load cables. Outputs are internally sensed if leads are openedOver Current/Short Circuit ProtectionConstant current limit on all outputs. Automatic recovery when overload is removedOver Voltage ProtectionNon-crowbar type. Any output that exceeds 25% ±10% of nominal Vout will cause all outputs to	Redundant/Hot Swap	Full power N+1 redundant	t, hot swap capable		
AC Model: PCI354-1022 5.0/40 3.3/40 +12/9 -12/1 48VDC Model: DPCI354-1022 5.0/40 3.3/40 +12/9 -12/1 Total loading on all outputs not to exceed 350W 24VDC Model: DPCI304-1022 5.0/30 3.3/30 +12/5 -12/1 Total loading on all outputs not to exceed 300W Line/ Load Regulation At the Sense Point, Over Full Input Range 0 – 100% Output Loading <td< th=""><th>OUTPUT</th><th></th><th></th><th>· · · · · · · · · · · · · · · · · · ·</th><th></th></td<>	OUTPUT			· · · · · · · · · · · · · · · · · · ·	
48VDC Model: DPCI354-1022 5.0/40 3.3/40 +12/9 -12/1 Total loading on all outputs not to exceed 350W 24VDC Model: DPCI304-1022 5.0/30 3.3/30 +12/5 -12/1 Total loading on all outputs not to exceed 300W Line/ Load Regulation At the Sense Point, Over Full Input Range 0 - 100% Output Loading <±1% for V1, V2, V3, sense leads connected. <±5% for V4 Minimum Loading None required for single unit applications. 10% loading required in N+1, N2 configurations Stability Output drift <±0.2% after 20 minute warm-up Temperature Coefficient <±0.02%/°C, 0° - 50°C, after 20 minute warm-up 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) For all outputs, 50mV max or 1% peak-to-peak 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. Single wire connection for ±10% current sharing between any number of units Remote Sense V1, V2, V3 outputs compensate for up to 0.25V total line drop in the load cables. Outputs are intermally sensed if leads are opened AC Hold-Up Time Outp	Voltage/Current (V/A)	V1	V2	V3	V4
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24VDC Model: DPCI304-1022 5.0/30 3.3/30 +12/5 -12/1 Total loading on all outputs not to exceed 300W Line/ Load Regulation At the Sense Point, Over Full Input Range 0 – 100% Output Loading <±1% for V1, V2, V3, sense leads connected. <±5% for V4 Minimum Loading None required for single unit applications. 10% loading required in N+1, N2 configurations Stability Output drift <±0.2% after 20 minute warm-up Temperature Coefficient <±0.02%/°C, 0° - 50°C, after 20 minute warm-up 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) For all outputs, 50mV max or 1% peak-to-peak 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. Single wire connection for ±10% current sharing between any number of units Parallel N+1 Operation Remote Sense V1, V2, V3 outputs compensate for up to 0.25V total line drop in the load cables. Outputs are internally sensed if leads are opened AC Hold-Up Time Outputs remain in regulation >15msec minimum following loss of AC power at low line, full load Over Voltage Protection Non-crowbar type. Any output that exceeds 25% ±10% of nominal Vut will cause all outputs to latch off. Remote inhibit, enable or power input recycle required to reset.	48VDC Model: DPCI354-1022	5.0/40	3.3/40	+12/9	-12/1
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<±1% for V1, V2, V3, sense leads connected. <±5% for V4		Total loading on all c	outputs not to exceed 30	0W	
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Temperature Coefficient<±0.02%/°C, 0° - 50°C, after 20 minute warm-upDynamic ResponseLess than 3% deviation with a 25% load change at 1A/µsec. Output returns to within 1% in less than 300µsecRipple and Noise (PARD)For all outputs, 50mV max or 1% peak-to-peak nominal, which ever is greater, DC to 20MHz bandwidth with a coaxial probe and 0.1µF/22µF capacitors at the output terminalsCurrent Sharing/ Parallel N+1 OperationV1, V2, V3 Outputs. Single wire connection for ±10% current sharing between any number of unitsRemote SenseV1, V2, V3 outputs compensate for up to 0.25V total line drop in the load cables. Outputs are internally sensed if leads are openedAC Hold-Up TimeOutputs remain in regulation >15msec minimum following loss of AC power at low line, full loadOver Current / Short Circuit ProtectionNon-crowbar type. Any output that exceeds 25% ±10% of nominal Vout will cause all outputs to latch off. Remote inhibit, enable or power input recycle required to reset.Over Temperature ProtectionInternal temperature sensing. Causes all outputs to shut down. Automatic recovery Under Voltage WarningReverse Sense ProtectionOutputs latch-off if remote sense connections are installed in reverse. Remote inhibit, enable or power input recycle required to reset	Minimum Loading	None required for single u	nit applications. 10% loa	ding required in N+1, N2 o	configurations
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Reverse Sense Protection Outputs latch-off if remote sense connections are installed in reverse. Remote inhibit, enable or power input recycle required to reset	Over Temperature Protection	Internal temperature sensing. Causes all outputs to shut down. Automatic recovery			
or power input recycle required to reset	Under Voltage Warning	Any output dropping below 10% of nominal triggers the power fail warning signal			
Over/ Under Shoot None at turn-on or turn-off	Reverse Sense Protection				
	Over/ Under Shoot	None at turn-on or turn-of	•		

*Specifications subject to change without notice.





Remote Enable Enabled by closed circuit or TTL logic 0. Disabled by open circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1. Disabled by closed circuit or TTL logic 1.	SIGNALS, INDICATORS AND C	ONTROLS		
Disabled by closed directil or TTL logic 0 Power Fail Warning Loss of fungut AC cusses a TIL compatible signal to go low >4msec prior to any output direpping out of regulation. At AC turn-on, signal stays low until all outputs are in regulation. OFF or RED indicates in put power Na and outputs within regulation. OFF or RED indicates in put power Na and outputs within regulation. OFF or RED indicates in put power fault MECHANICAL Single bi-Cole TED. Green indicates input power fault Mechanical Outline Drawings are available. Contact the factory and reguest copies by specifying input voltage and connector type Weight Approx: 238 kg / 48 lbs Retaining Latches Supplied with Type IV Rital #3866.033 upper and #3666.932 lower latches. Models may be ordered without latches. Refer to Option Codes to specif. I/O Connector Offset 47 pin models supplied with the Connector at 7.40 (.291) offset (PICMG std) only. 38 pin models supplied with guide rails at 6.61 1.260 prioral 7.40 (.291) offset (PICMG std) only. Guide Rails 47 pin models supplied with guide rails at 6.61 1.260 prioral 7.40 (.291) loffset (PICMG std) only. S8 pin models supplied with guide rails at 6.61 1.260 prioral 7.40 (.291) loffset S9 pin models supplied with guide rails at 6.61 1.260 prioral 7.40 (.291) loffset S9 pin models supplied with guide rail offset. Front Panel Overlay Supplied with learn overlay and JPC logg. May be deleted, or supplied with customer specified logo or other informati	Remote Enable			
out of regulation. At AC turn-on, signal stays low until all outputs are in regulation. PF signal alios triggered in both AC and DC input models by an under voltage condition on any output LED Indicator Single bi-color LED. Green indicates input power ON and outputs within regulation. OFF or RED indicates an input and/or output power fault MECHANICAL Mechanical Outline Drawings are available. Contact the factory and request copies by specifying input voltage and connector type Weight Approx: 238 kg/ 48 lbs Retaining Latches Supplied with Type IV Ritital 4366 6903 upper and 43666 502 lower latches, or Type VII Telecom Ritital 47366.134 upper and 43666.135 lower latches. Models may be ordered without latches. Refer to Option Codes to select. I/O Connector Offset 47 pin models supplied with the I/O connector at 7.40 [291] offset (PICMG std) only. 38 pin models supplied with guide rails at 6.61 [260] offset for use with Rittal #3687.832 (or equivalent) PSU guides. Guide Rails 47 pin models supplied with guide rails at 6.61 [260] offset for use with Rittal #3687.832 (or equivalent) PSU guides. Front Panel Overlay Supplied with Lexan overlay and JE Logo. May be deleted, or supplied with customer specified logo or offset 4.02 (1601 only with 15.27 L601] offset OPERATING ENVIRONMENT Operating Temperature OPerator Genvira Temperature 0° - 50°C ambient at full load, with specified forward airflow Operating Temperature 0° - 50°C ambient at full load, with specified power and spec	Remote Inhibit			
Indicates an input and/ or output power fault MECHANICAL Mechanical Outline Drawings are available. Contact the factory and request copies by specifying input voltage and connector type Weight Approx: 2.38 kg / 4.8 lbs Retaining Latches Supplied with Type IV Ritital #3666.903 upper and #3666.902 lower latches, or Type VII Telecom Ritital #3661.34 upper and #3666.313 lower latches. Models may be ordered without latches. Refer to Option Codes to select I/O Connector Offset 47 pin models supplied with the Uo connector at 15.27 L6011 or optional 7.40 [2911 offset Guide Rails 47 pin models supplied with the Uo connector at 15.27 L6011 or optional 7.40 [2911 offset Guide Rails 47 pin models supplied with the uo connector at 15.27 L6011 or optional 7.40 [2911 J/O connector offset. 4.07 [1.60] optional guide rails at 6.61 [260] offset for use with Rittal #3684.669 CPCI standard guides. 38 pin models svapiled in both 6.61 [260] and 4.07 [1.60] fifset or offset Front Panel Overlay Supplied with Lexan overlay and JE Leago. May be deleted, or supplied with customer specified logo or other information. Contact factory Poresting Temperature 0P – S0°C ambient at full load, with specified forward airflow Operating Temperature 0P – S0°C ambient at full load, with specified forward airflow Operating Temperature 0P – S0°C ambient at full load, with specified forward airflow Operating Temperature -9°C S0°C ambient at full load, with specified forward ai	Power Fail Warning	out of regulation. At AC turn-on, signal stays low until all outputs are in regulation. PF signal also		
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Ior equivalent) PSU guides. 4.07 [.160] optional guide rail offset available for use with Rittal #3684.669 CPCI standard guides. 38 pin models available in both 6.61 [.260] and 4.07 [.160] offsets with 7.40 [.291] I/O connector offset 4.07 [.160] only with 15.27 [.601] offset Refer to Option Codes to specify guide rail offset Front Panel Overlay Supplied with Lexan overlay and JE Logo. May be deleted, or supplied with customer specified logo or other information. Contact factory Refer to Option Codes to specify overlay OPERATING ENVIRONMENT Operating Temperature 0° - 50°C ambient at full load, with specified forward airflow Cooling Direct forward airflow required to achieve full rated power and specified MTBF, AC Input: 90 cfm minimum for 47-pin configuration, 120 cfm minimum for 38-pin configuration. DC Input: 90 cfm minimum for 41-pin configuration. DC Input: 90 cfm minimum for 41-pin configuration. DC Input: 90 cfm minimum for 41-pin configuration. Direct forward airflow required to achieve full rated power and specified MTBF, AC Input: 90 cfm minimum for 38-pin configuration. Dot Input: 90 cfm minimum for 41-pin configuration. DC Input: 90 cfm minimum for 41-pin configuration. Designed fo		Refer to Option Codes to specify connector offset		
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24VDC Input Models Pending				
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	-	gurations may not be eligible to bear some or all of the agency approval marks noted above. Contact		

*Specifications subject to change without notice.





PICMG STANDARD 47 PIN CONNECTOR

PIN#	SEQ ⁽¹⁾	FUNCTION	
01-04	2	+5.0V	V1 Output
05-12	2	GND	V1+V2 Return
13-18	2	+3.3V	V2 Output
19	2	GND	V3 Return
20	2	+12.0V	V3 Output
21	2	-12.0V	V4 Output
22	2	RTN	Signal Return
23	2	N/C	No Connection (Reserved)
24	2	GND	V4 Return
25,26	2	N/C	No Connection (Reserved)
27	3	R/EN	Remote Enable. Close circuit to GND
28	2	N/C	No Connection (Reserved)
29	2	V1-ADJ	+5.0V Remote Voltage Adjust.
30	2	+S1	+5.0V (V1) Remote Sense
31	2	N/C	No Connection (Reserved)
32	2	V2-ADJ	+3.3V (V2) Remote Voltage Adjust
33	2	+S2	+3.3V (V2) Remote Sense
34	2	S-RTN	Sense Return for V1, V2, V3
35	3	ISHR-1	+5.0V (V1) Current Share
36	2	+\$3	+12.0V (V3) Remote Sense
37,38	2	N/C	No Connection (Reserved)
39	2	R/INH	Remote Inhibit. Close circuit to GND
40	2	N/C	No Connection (Reserved)
41	3	ISHR-2	+3.3V (V2) Current Share
42	2	PF	Power Fail Signal
43	2	N/C	No Connection (Reserved)
44	3	ISHR-3	+12.0V (V3) Current Share
45	1	PE	Primary Earth (chassis) Safety Ground
46	2	ACC	Neutral AC Power Input
	2	+DC	+DC Input Power
47	2	AC	Line AC Power Input
	2	-DC	-DC Input Power

OPTIONAL 38 PIN CONNECTOR

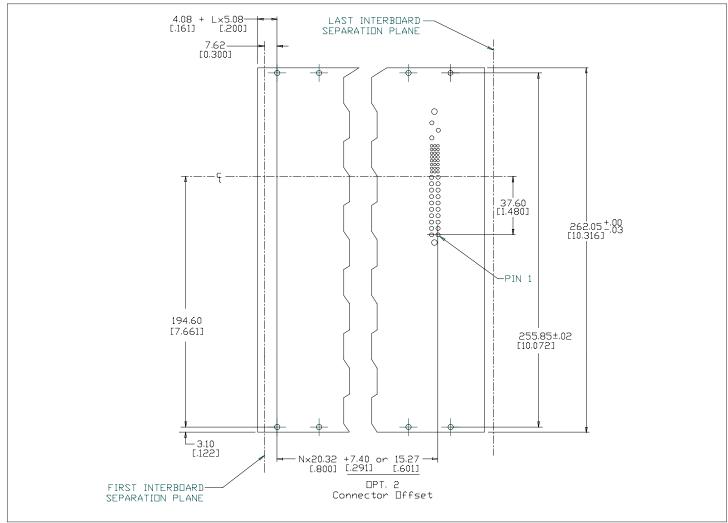
PIN#	SEQ ⁽²⁾	FUNCTION	
01-04	2	+5.0V	V1 Output
05-12	2	GND	V1+V2 Return
13-16	2	+3.3V	V2 Output
17	2	GND	V3 Return
18	2	+12.0V	V3 Output
19,20	2	N/C	No Connection (Reserved)
21	2	-12.0V	V4 Output
22,23	2	GND	V4 Return
24	2	+S1	+5.0V (V1) Remote Sense
25	3	R/EN	Remote Enable. Close circuit to GND





26	2	S-RTN	Sense Return for V1, V2, V3
27	2	+S2	+3.3V (V2) Remote Sense
28,29	2	N/C	No Connection (Reserved)
30	2	+S3	+12.0V (V3) Remote Sense
31	2	R/INH	Remote Inhibit. Close circuit to GND
32	3	ISHR-1	+5.0V (V1) Current Share
33	3	ISHR-2	+3.3V (V2) Current Share
34	3	ISHR-3	+12.0V (V3) Current Share
35	2	PF	Power Fail Signal
36	1	PE	Primary Earth (chassis) Safety Ground
37	2	ACC	Neutral AC Power Input
	2	+DC	+DC Input Power
38	2	AC	Line AC Power Input
	2	-DC	-DC Input Power
		*(1) Cor	ntact mating sequence. 1= First to make/ last to break

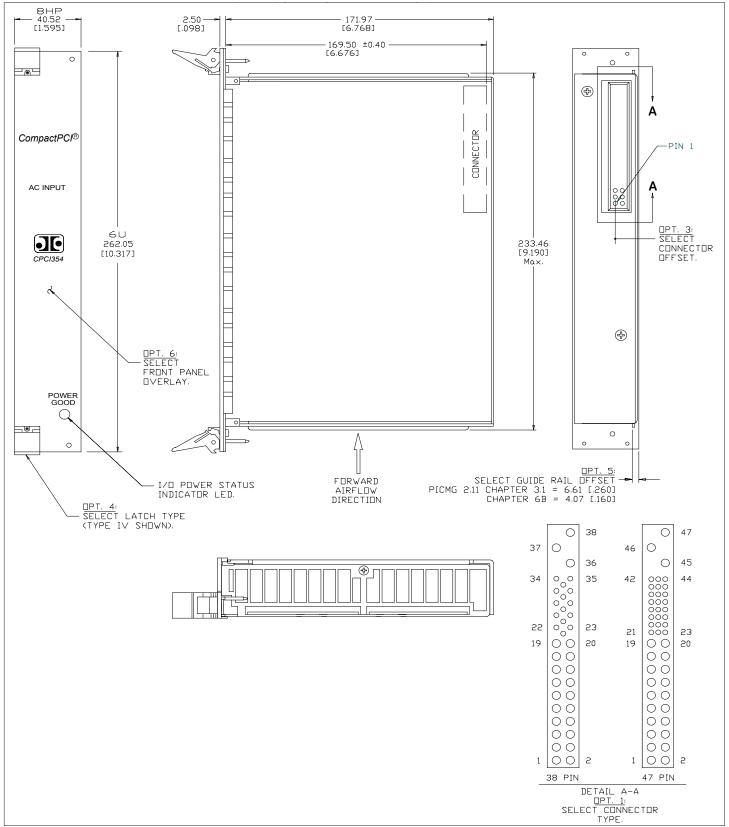
BACKPLANE CONNECTOR LOCATIONS, VIEWED FROM THE FRONT OF THE ENCLOSURE







COMPACTPCI350° OUTLINE DRAWING









INNOVATIVE SPECIALTY DC POWER SYSTEMS

Standard and Custom Power Supplies from 5W to 10KW

TRAFFIC CONTROL POWER SUPPLIES



- 70-400+ Watts / 120 and 220 VAC Models Available
- CALTRANS TEES, NYSDOT, CDOT, GDOT Compliant for 332, 334, 336, 342, 344, and 346 Series cabinets
- RoHS and NEMA Compliant
- Custom labeling and barcoding available
- Ruggedization against shock / vibration / humidity available

CUSTOM POWER DISTRIBUTION ASSEMBLIES (PDAs)



- Compliant with TEES 2020
- 1U smaller than the PDA2-LX and PDA3-LX
- User accessible slots as specified
- Custom labeling and barcoding available
- Ruggedization against shock / vibration / humidity available

COMPACT PCI



- AC or DC input, 175W 500W DC output, active PFC
- 3U x 8HP, 6U x 8HP sizes
- PICMG 2.11 compliant, UL/CSA, NEMKO/TUV/CE certified, ROHS compliant
- Ruggedization against shock/ vibration/ humidity optional

Primary Applications: Industrial Computing, Military, Satellite Comm, Test, Transportation, Telecom, Aerospace

SPECIALTY HOT-SWAPPABLE POWER SUPPLIES



- 200-1500W, Universal Input, 5-54VDC Output
- Hot Swap. N+1, 90+% Efficiency
- 1U Form Factors
- 30+ Variations for Various Applications Including Nuclear
- Ruggedization against shock/ vibration/ humidity optional

Primary Applications: Medical Equipment, Military, Test, Automotive, Computing, Audio, Sensitive Electronics

RACK POWER SYSTEMS



- 200W-1500W, 2-8 slots, single or mixed output voltages, up to 10KW total
- Single, dual, or individual unit AC or DC input
- Internally or externally redundant DC outputs
- Standard 19" and 23" size or user-specified configurations also available
- Ruggedization against shock/ vibration/ humidity optional

Primary Applications: Medical Equipment, Military, Test, Automotive, Computing, Audio, Sensitive Electronics

LOW NOISE CONVECTION / CONDUCTION COOLED POWER SUPPLIES



- 200W-500W, 90—264VAC full range input with 12-54 VDC Output
- Wide operating temperature range / high efficiency
- Small form factors
- Ruggedization against shock/ vibration/ humidity optional

Primary Applications: Medical Equipment, Military, IT, Sensitive Electronics

Jasper

Electronics

MEDICAL ADAPTERS



- 6W-250W, Efficiency levels V & VI
- Desktop, Wall-mount, and Interchangeable AC
 plug types
- Large selection of output connectors additional cable lengths available
- UL60601 (medical) approved adapters available
- Ruggedization against shock/ vibration/ humidity optional

CUSTOMS & MODIFIED STANDARDS



- 75W-2KW
- Single to 7 outputs
- Designed and built to custom or semi-custom specifications
- Ruggedization against shock/ vibration/ humidity optional
- Custom electrical specs, chassis, paint, labeling, connectors, interface all available

Primary Applications: Medical Equipment, Military, Test, Automotive, Computing, Audio, Sensitive Electronics



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