PS1250

PS1255

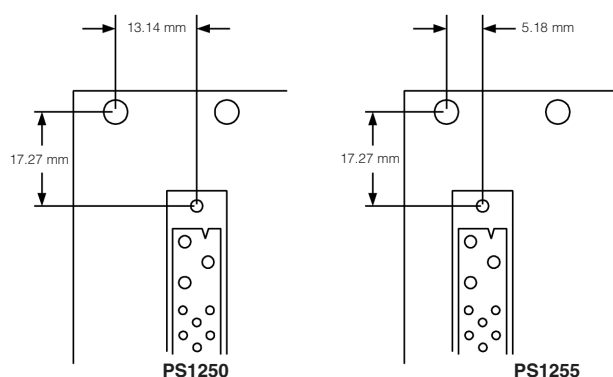### PS1250A 6U x 8HP:

The PS1250 is a 6.5U (or 6U) tall, 8HP wide power backplane. The PS1250A is a backwards compatible version of the PS1250 with two additional power bugs. The PS1255 has 1 less +5 volt power bug than the PS1250A. The PS1250 may be used with the PS1300 or PS1400 series of modular CompactPCI backplanes, or in any other application where large supply currents are required. The PS1250A will accept 1 Positronic type 500W power supply. Any power supply that is compatible with the backplane dimensions shown in Figure 4 can be used. Either AC or DC power is supplied to the power plane by means of a three contact Mate-n-Lok connector.

There are 3 ATX-style power connectors on this power plane for distribution of regulated power to the modular CompactPCI backplanes. The connectors used are Molex "Mini-Fit Jr." series headers or compatible connectors. These are the same connectors that are recommended for ATX style PC power supplies.

CompactPCI backplanes are connected to the power backplanes by means of cable assemblies (PS1600) with mating "Mini-Fit Jr." receptacles at either end. These cable assemblies provide +5 V, +3.3 V, +12 V, -12 V, GND, and control signals between the two backplanes. The PS1250A also has a row of power taps for use when large supply currents are required, or ATX connectors cannot be used. One power backplane can supply power to one or more CompactPCI backplanes, subject to the current requirements of the CompactPCI backplanes.

PS1255 6U x 16HP:
(Offset Connector)

The PS1245 uses the same printed circuit board as the PS1240/1, only with its power supply connectors offset to the left to accommodate PICMG 2.11 compliant power supplies. See below for details.

PS1257 6U x 8HP:

This board is also designed to accommodate rear power entry modules for 48 V applications.

Either AC or DC power is supplied to the powerplane by means of a six contact Mate-n-Lok connector. There are 2 ATX-style power connectors on this power plane, for distribution of regulated power to the modular

CompactPCI backplanes. The connectors used are Molex "Mini-Fit Jr." series headers or compatible connectors. These are the same connectors that are recommended for ATX style PC power supplies. The CompactPCI backplanes will be connected to the power backplanes by means of cable assemblies with mating "Mini-Fit Jr." receptacles at either end. These wiring harnesses provide +5 V, +3.3 V, +12 V, -12 V, GND, and control signals between the two backplanes. These wiring harnesses, the PS1600, can be ordered separately. The PS1247 uses the new P47 power supply connector, as specified in the PICMG2.11 R1.0 Power Interface Specification.

PS1258 6U x 8HP:

The PS1258 is a 6.5U (or 6U) tall, 8HP wide backplane designed to accept a single 6U x 8HP CompactPCI hot-insertable power supply modules, and supply DC power to other CompactPCI backplanes. This board is also designed to accommodate rear power entry modules for 48V applications. Either AC or DC power is supplied to the powerplane by means of a six contact Mate-n-Lok connector. There are 2 ATX-style power connectors on this power plane, for distribution of regulated power to the modular CompactPCI backplanes. The connectors used are Molex "Mini-Fit Jr." series headers or compatible connectors. These are the same connectors that are recommended for ATX style PC power supplies. The CompactPCI backplanes will be connected to the power back-planes by means of cable assemblies with mating "Mini-Fit Jr." receptacles at either end. These wiring harnesses provide +5 V, +3.3 V, +12 V, -12 V, GND, and control signals between the two backplanes. These wiring harnesses, the PS1600, can be ordered separately. The PS1247 uses the new P47 power supply connector, as specified in the PICMG2.11 R1.0 Power Interface Specification.

Order No.	Model No.	Dimensions	Power supply capacity	Input connector	Output connector	Power input	Voltage settings	Hot swap
9818073	PS1250A	6U x 8HP1	6U single	P38	ATX	500W	local/remote	-
3687992	PS1255	6U x 8HP1	6U single	P38	ATX	500W	local/remote	-
3688602	PS1257	6U x 8HP2 x 1	3U dual	P47	ATX	300W (2x150W)	local/remote	-
3688607	PS1258	6U x 8HP1	6U single	P47	ATX	500W (1x150W)	local/remote	-