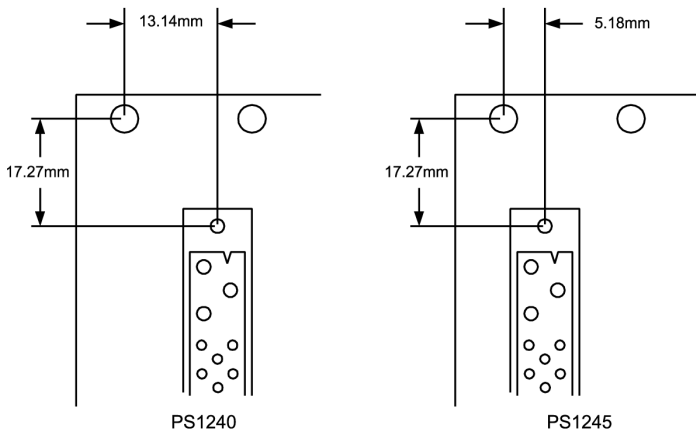


6U x 16HP Power Supply Backplanes



PS1240 and PS1241 6U x 16HP:

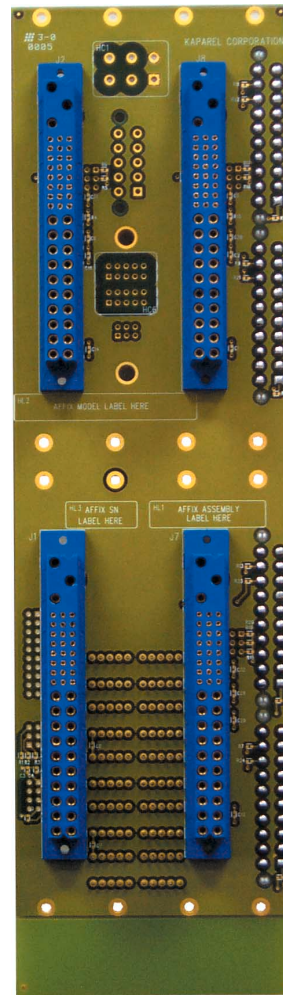
The PS1240 is a 6.5U (or 6U) tall, 16HP wide power backplane, intended for use with the PS1300 or PS1400 series of modular CompactPCI backplanes (see pages 10 and 11), or in any other application where large supply currents are required. The PS1240 will accept up to two Positronic type 500W power supplies operating in current sharing mode. Any power supply that is compatible with the backplane dimensions and pinout shown below may be used. Either AC or DC power is supplied to the powerplane by means of a six contact Mate-n-Lok connector. There are 5 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. The PS1240 also has several rows of power taps for use when large supply currents are required, or ATX connectors cannot be used (the PS1241 is simply a partially populated version of the PS1240). One power backplane can supply power to one or more CompactPCI backplanes, subject to the current requirements of the CompactPCI backplanes.

PS1245 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.

PS1247 6U x 16HP:

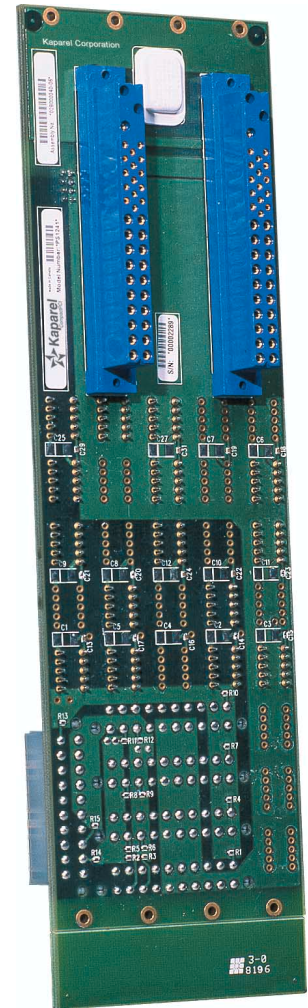
The PS1247 is a 6.5U (or 6U) tall, 16HP wide backplane designed to accept up to four 3U x 8HP (stacked 2 x 2) CompactPCI hot-insertable power supply modules, and supply DC power to other CompactPCI backplanes. This board is also designed to accommodate rear power entry modules for 48 V applications. Either AC or DC power is supplied to the powerplane by means of a six contact Mate-n-Lok connector. There are four 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 PICMG 2.11 R1.0 Power Interface Specification.

PS1248 6U x 16HP:

The PS1248 is a 6.5U (or 6U) tall, 16HP wide backplane designed to accept up to two 6U x 8HP (2 x 1) 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 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 four 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 Compact PCI 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 PS1248 uses the new P47 power supply connector, as specified in the PICMG 2.11 R1.0 Power Interface Specification.

Order No.	Model No.	Related products
3686546	PS1300	3U modular series backplanes (see pg 72)
3680390	PS3300	3U hot swappable power supplies (see pg 141)
3686570	PS1600	20 conductor ATX cable assembly, 16" (see pg 87)

Order No.	Model No.	Dimensions	Power supply capacity	Input connector	Output connector	Power input	Voltage settings	Hot swap
3687881	PS1240	6U x 16HP	2 x 1 (6U) dual	P38	ATX	1000W (2 x 500W)	Local/remote	•
3686679	PS1241	6U x 16HP	2 x 1 (6U) dual	P38	ATX	1000W (2 x 500W)	Local/remote	•
3687973	PS1245	6U x 16HP	2 x 1 (6U) dual	P38	ATX	1000W (2 x 500W)	Local/remote	•
3688037	PS1247	6U x 16HP	2 x 2 (3U) quad	P47	ATX	600W (4 x 150W)	Local/remote	•
3688608	PS1248	6U x 16HP	2 x 1 (6U) dual	P47	ATX	1000W (2 x 500W)	Local/remote	•