

Penguin Edge™ PCIE-8120 Quick Start Guide

P/N: 6806800R88J September 2022

1 Box contents

Make sure you receive all items of your shipment:

- One PCIE-8120 card
- One printed copy of *Quick Start Guide* (this document)
- One printed copy of *Safety Notes Summary*
- Any optional items ordered



When installing or servicing the system or accessories, strictly observe the safety precautions in the *Safety Notes Summary*. Ignoring these instructions can void the system warranty and cause personal injury or property damage.

2 ESD

Use ESD protection



Electrostatic discharge and incorrect installation or removal of the card can damage circuit or shorten its life.

Use a properly grounded ESD wrist strap or work in an ESD-safe environment.

Connect to the ESD connector at the front or the rear of the system.

3 Site preparation

Prior to installation, prepare your site.

- Make sure that the I/O area for add-in cards of your server is capable of holding a single-slot, standard height, full length PCIe card.
- The PCIE-8120 card requires a PCIe x4 connector size at minimum. It can also be installed in a x8 or x16 slot.
- The PCIE-8120 can be installed in a system board PCIe slot or on a PCIe riser card.

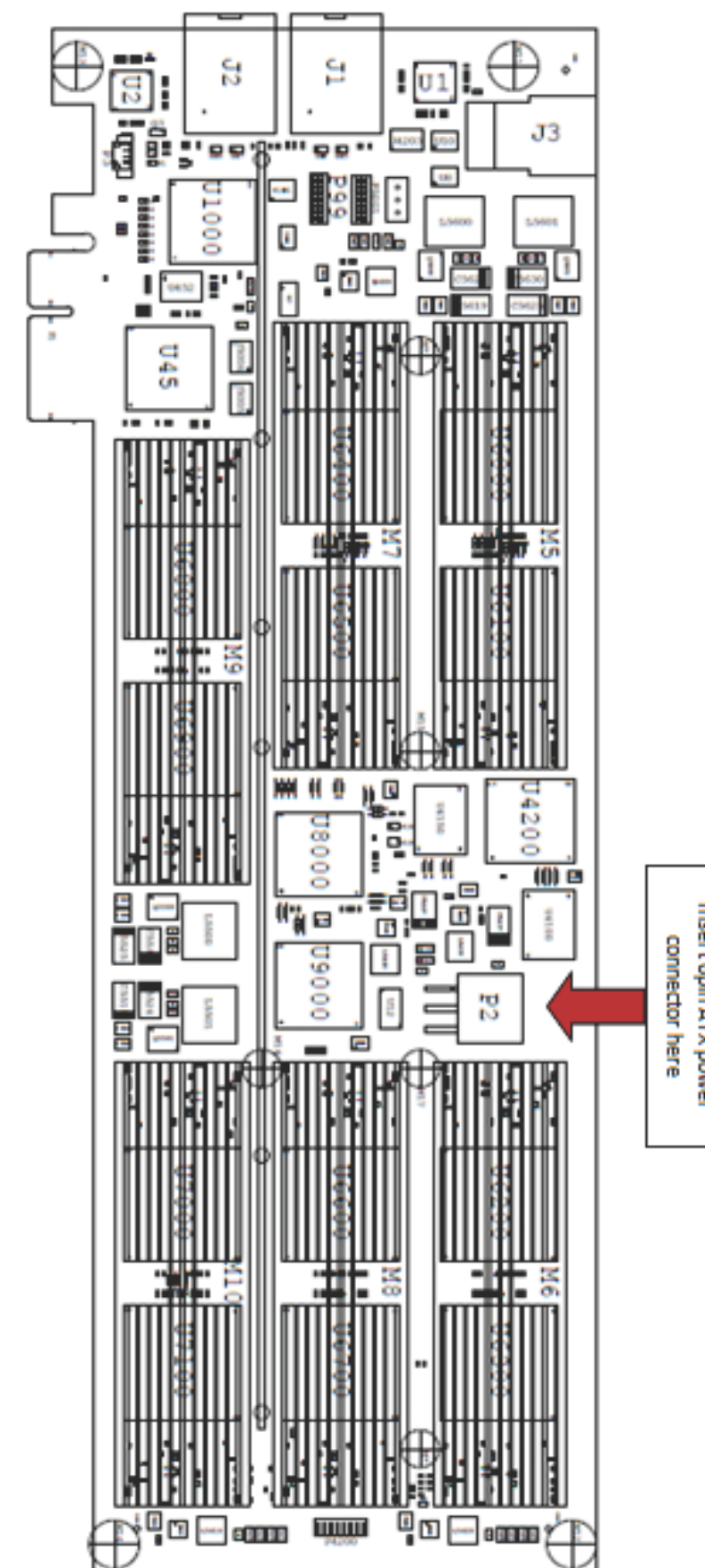
For instruction on how to install the card in a specific server, please consult the installation manual provided by your server vendor.

- Make sure the I/O slot can supply 75W of power via the 12V supply rail for the 8 or 12 DSP versions. The four DSP version can also be operated in a 25W I/O slot.
- For the PCIE-8120 version with the 6-pin ATX power connector, make sure your server PSU provides an appropriate adapter.

4 Install external power connector

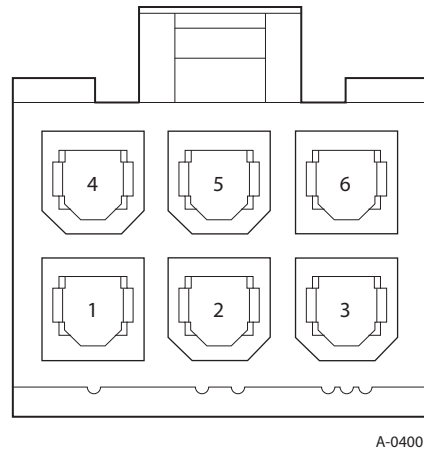
Note: An external ATX power connector option is available only for the NEBS variant. Cards with external power connectors should be connected using server manufacturer supplied cables. Ensure that the power cable is provided with server.

Refer to the pin assignment drawing and table on the back side of this guide.



5 Pin assignment

ATX 6-pin power connector system pin assignment.



A-0400

Pin	Signal
1	+12 V
2	+12 V
3	+12 V
4	Ground
5	Sense
6	Ground

Technical Assistance

For technical assistance or to report product damage or shortages, contact your local Penguin Solutions sales representative or visit <https://www.penguinsolutions.com/edge/support/>.

Get more information



For more information on this product, see the *PCIE-8120 Installation and Use* manual and other related technical documentation, which can be found by using the Documentation Search at <https://www.penguinsolutions.com/edge/support/>.



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