Penguin Edge™ KIT-IEEE-2500 Quick Start Guide

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1 Box contents

The Penguin Edge™ KIT-IEEE-2500 is used to convert MVME2500ET boards with SCANBE handles to IEEE handles. This kit does not include the VME board.

Make sure you receive all items of your shipment as shown in the following table:

Qty	Part Number	Description
1	6406849C02B	MVME2500 front panel (rugged)
1	5506827A01A	Ejector handle, top
1	5506828A01A	Ejector handle, bottom
2	03-L6397C01A	M2.5 x 11mm screw
2	03NL9004C46	M2.5 x14mm screws
2	0206815A01A	M2.5 x 0.45 hex nuts
1	0306875A01A	M2.5 x 10mm screw
1	3306812C02	Part number overlay
1	3306865E01A	Logo overlay
1	6806800V46A	Quick Start Guide (this document)

Tools needed:
- Phillips head screwdriver
- 1/8" hex nut driver
- 9/32" hex nut driver or open end wrench

NOTE: Care should be taken not to scratch the front panel with the tools employed.

2 Safety

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

3 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.

4 Site preparation

Make sure that all environmental and power requirements defined in the *Penguin Edge™ MVME2500 Installation and Use* manual are met. Operating temperatures refer to the temperature of the air circulating around the board and not to the actual component temperature.

5 Remove front panel assembly (SCANBE)

WARNING: Do not remove the heat frame from the board as this will damage the thermal interface material and compromise the integrity of the board.

Reference Diagram A to remove the front panel/SCANBE ejector handle assembly from the board.

1. Remove front plate mounting hardware:
   – Heat frame screw
   – Reset switch hex nut and washer (set aside*)
   – Mini DB-9 connector jack posts (set aside*)

2. Carefully pull the reset switch through the rear of the front panel, leaving the wiring intact.
3. Remove two M2.5x14mm screws from the bottom of the board. Note these screws mate with hex nuts on the top side of the board.
4. Slide the Part Number and Logo panels off the ejector handles to expose the internal screw. This action can be accomplished using your thumb.
5. Unscrew and remove the internal screw in each handle.
6. Gently move each handle back and forth until the metal alignment block and plastic lever (which are joined by a hidden pin) are no longer trapped between the heat frame and PCB.
7. Carefully tilt the front panel assembly away from the board, taking care not to break the light pipes (USER1, FAIL), and remove from the PCA.
8. Remove the PMC/XMC slot cover and set aside*.

*The jack posts, reset switch hex nut and washer, and PMC/XMC slot cover will be reused for the installation of the front panel/IEEE ejector handle assembly.
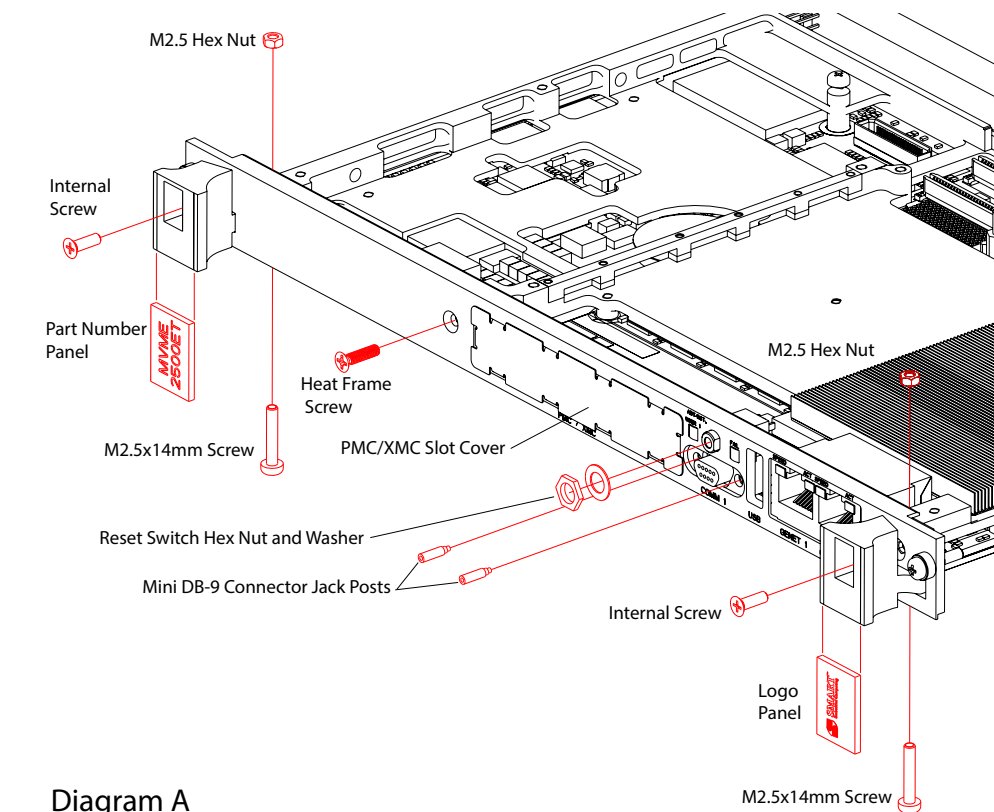

Diagram A

6 Install front panel/IEEE ejector handle assembly

Reference Diagram B to install the front panel/IEEE ejector handle assembly to the MVME2500 board.

1. Carefully place the front panel assembly on the PCA using a tilting motion, taking care not to break the light pipes (USER1, FAIL).
2. Insert the reset switch into the panel, taking care to keep the wiring intact.
3. Install front plate mounting hardware:
   – M2.5x10mm heat frame screw included with kit
   – Reset switch hex nut and washer set aside in step 4.1
   – Mini DB-9 connector jack posts set aside in step 4.1
4. Slide the ejector handles onto each end of the front panel. Note that the handles are not interchangeable – they can only go on one way.
5. Press the red button on each ejector handle to move to the open position.
6. Install the internal screw provided with each handle to secure each handle to the front panel.
7. Install the M2.5x14mm screws and mating nuts to secure the front panel assembly to the board.
8. Screw the M2.5x11mm screws into the ejector handles. Note that these screws become captive and will be used to secure the board to the chassis during board installation.
9. Insert the PMC/XMC slot cover set aside in step 4.8 into the front panel.
10. Place the Logo overlay on the outer surface of the upper ejector handle.
11. Place the part number overlay on the inner surface of the lower ejector handle.
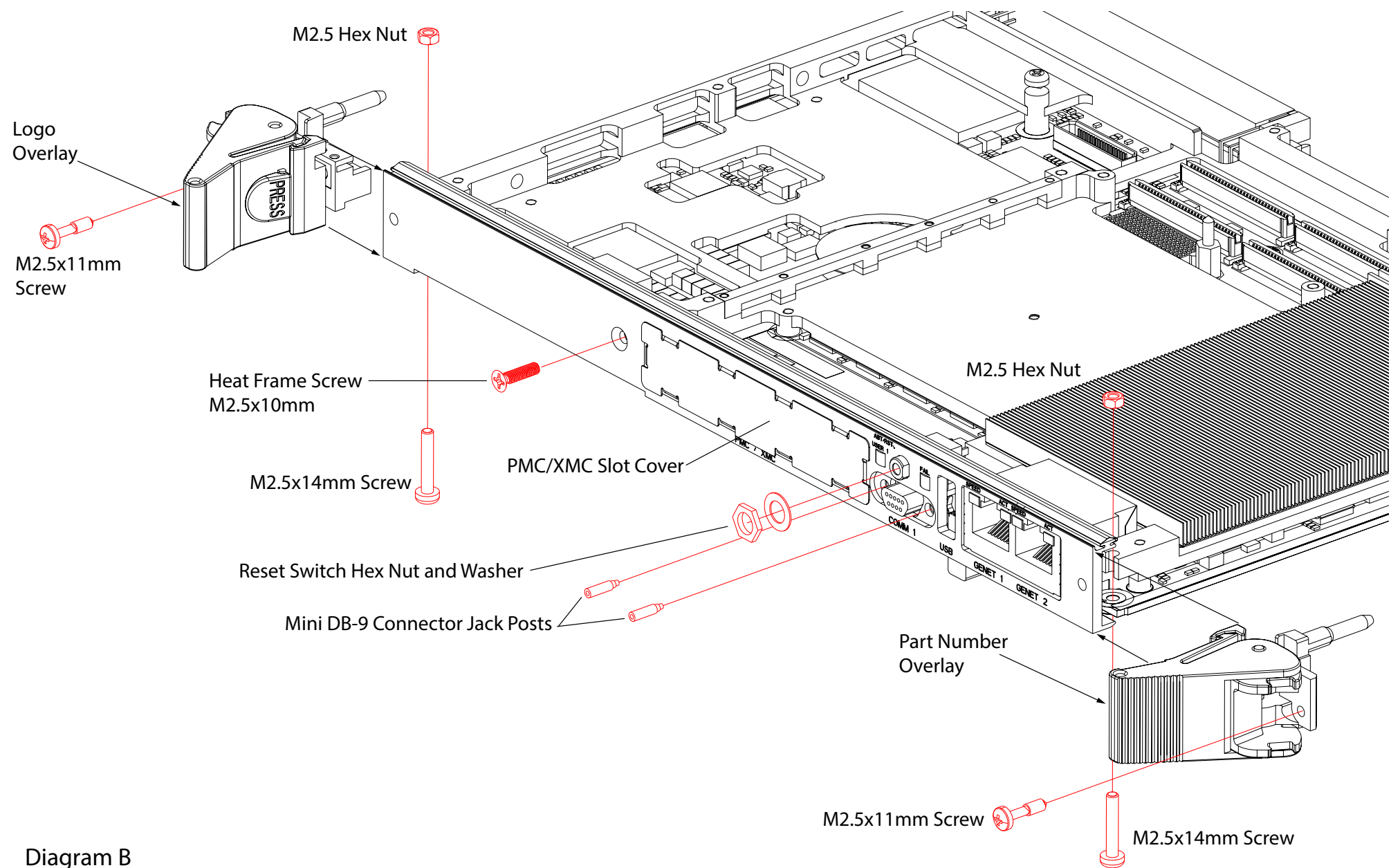

Diagram B

Get More Information

For more information on this product, see the *MVME2500 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/*.

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/*.