

M.2 Riser Assembly ATCA-75XX-KIT-M.2 Quick Start Guide

P/N: 6806872A01C JUNE 2022

1 Box contents

Make sure you receive all items of your shipment.

The Penguin Edge™ ATCA-75XX-KIT-M.2 contains:

- 1 (1 ea.) ATCA-75XX M.2 riser
- 2 (1 ea.) M.2 riser bracket (long)
- 3 (1 ea.) M.2 riser bracket (short)
- 4 (2 ea.) Phillips pan head screw M2.5 x 6mm
- 5 (2 ea.) Phillips pan head screw M2.5 x 4mm

One printed copy of *Quick Start Guide* (this document)
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 make 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. For information on the environmental requirements refer to the *Penguin Edge™ ATCA-7540 Series Installation and Use Manual*.

Operating temperature is the temperature of the air circulating around the blade, not the actual component temperature.

4 Replace the M.2 Riser

First, remove the M.2 riser assembly from the ATCA blade. You need a #2 Phillips screwdriver.

1. Loosen the bracket screw near the Zone 3 connectors to allow access to the standoff screw, see illustration **A**.
2. Unscrew the two M2.5 x 4mm screws that secure the old M.2 riser assembly to the blade.
3. Firmly grasp the assembly and gently disconnect it from the blade connector by lifting vertically until it releases.
4. Put the riser assembly and screws aside.

Before installing the replacement M.2 riser assembly (1) onto the ATCA blade, attach one bracket to each side of the assembly, as shown.

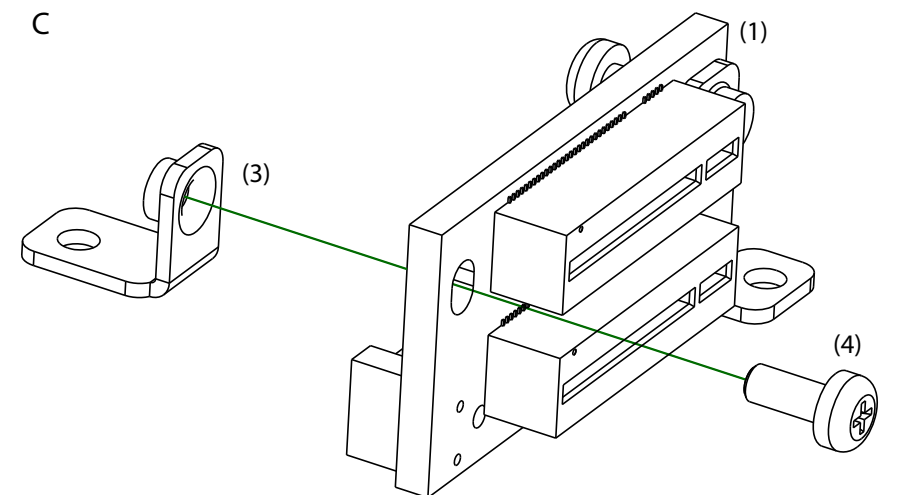
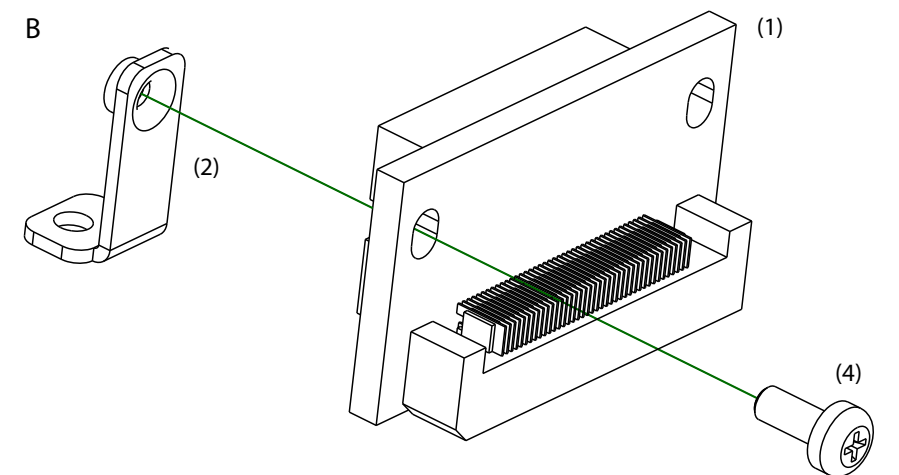
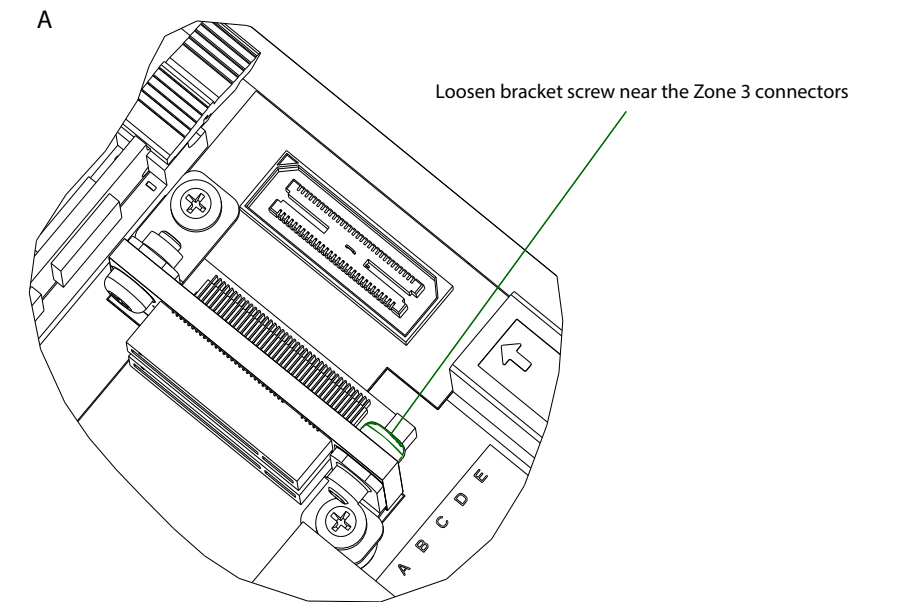
5. Align bracket (2) with the alignment hole on the front side of the assembly.
6. Insert one pan head screw (M2.5 x 6mm) through the bracket and assembly alignment holes, see illustration **B**. Give the screw just enough of a turn to equal two threads.

Note: This keeps the brackets in place and allows for up/down movement and a 10 degree rotation of the mounting screw for final mounting.

7. Repeat Steps 4 and 5 for bracket (3), mounting it on the backside of the assembly, see illustration **C**.

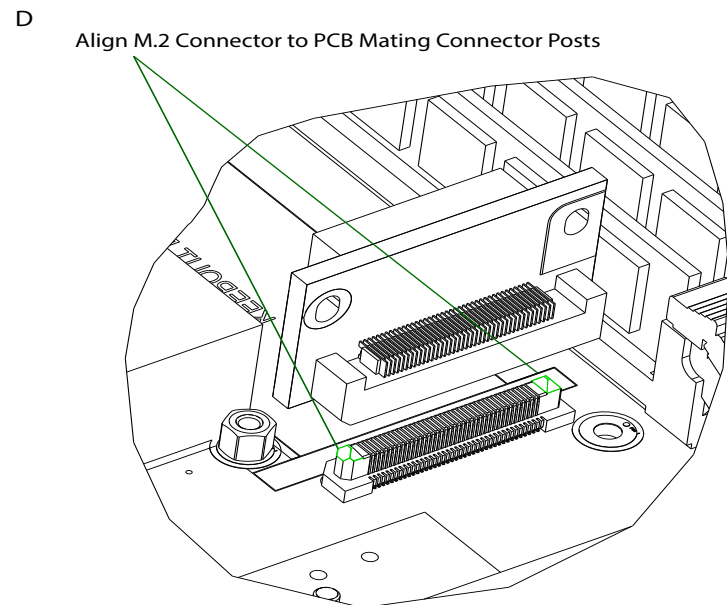
To install the riser assembly on to the blade, follow these steps:

8. Grasp each side of the assembly, pinching the bracket and assembly together to avoid interference with the Zone 3 connectors.



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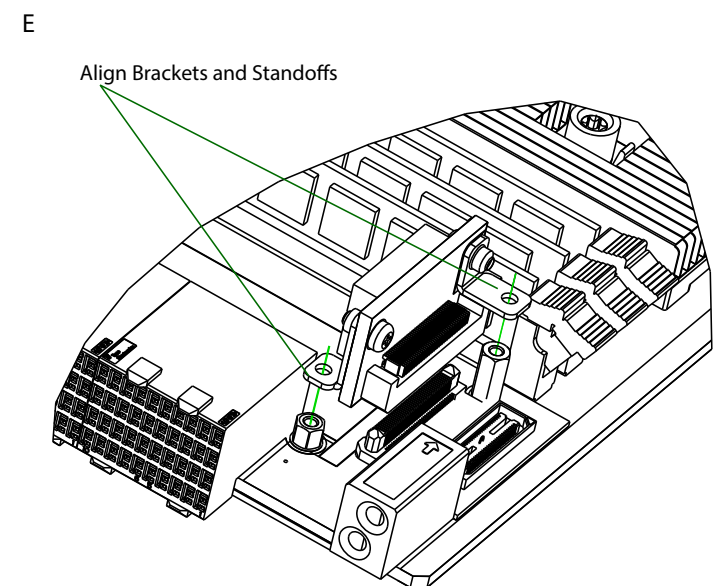
9. Align the mating posts of the M.2 connector to the mating posts of the ATCA blade. Make sure the M.2 connector is parallel to the mating connector, see illustration D.



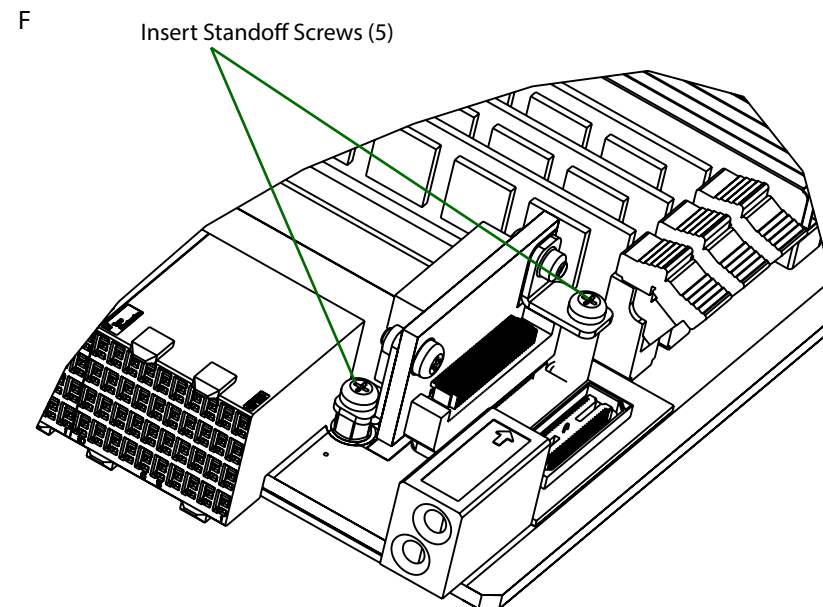
The M.2 connector should align on both posts of the blade's mating connector. Failure to do so, may result in connector pin damage or in a short.

10. Apply a small amount of equal pressure to the top corners of the M.2 assembly (directly above the two mating posts) and gently press down to make sure a proper connection is achieved.

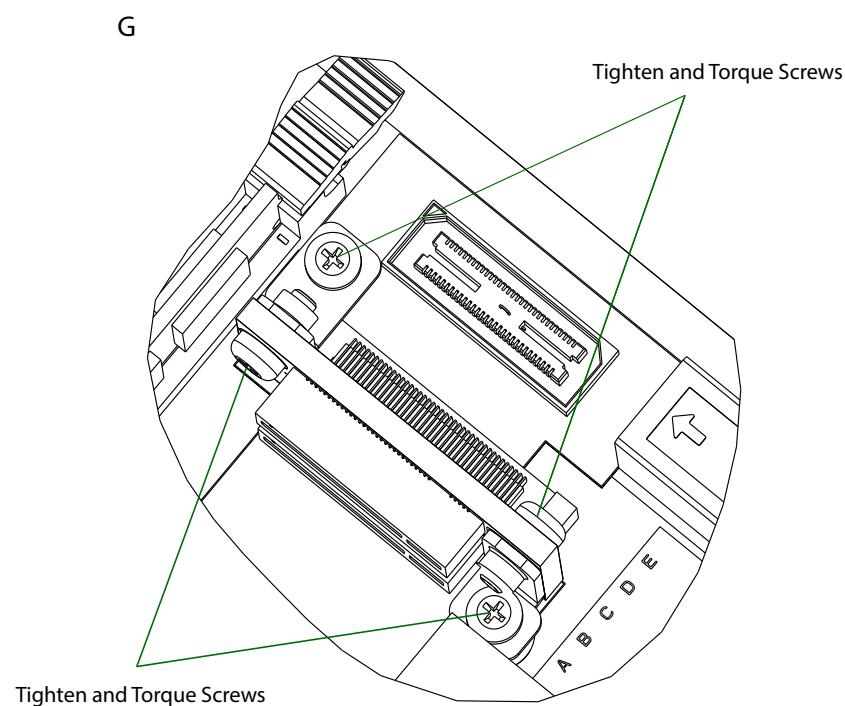
Note: The connection is correct when the M.2 assembly bracket mounting holes align with the mating standoff mounting holes on the ATCA blade, see illustration E.



11. Insert a M2.5 x 4mm pan head screw in each standoff. Hold the M.2 assembly in place while tightening the screws.



12. Torque each M2.5 x 4mm screw to 0.3 N-m.
13. Tighten each bracket screw to secure it to the M.2 assembly.
14. Torque each M2.5 x 6mm bracket screw to 0.3 N-m.



You have completed the replacement of an ATCA-75XX-KIT-M.2.

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 *Penguin Edge™ ATCA-7540 Series Installation and Use* manual and other related documentation which can be found using the Documentation Search at <https://www.penguinsolutions.com/edge/support/>.



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