

U.2 Interposer Rev A, Rev B

Installation Guide



Disclaimers

- End User is responsible for proper installation
- SerialTek is not liable for damage to Device Under Test
- Best practices for ESD prevention must be followed at all times

NOTICE:

Failure to comply with this installation guide VOIDS Interposer and Analyzer warranty.

Requirements: Overview

Proper installation of the U.2 Interposer has two (2) requirements:

1. Proper Insertion
2. Strain Relief

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Requirement 1 of 2: Proper Insertion

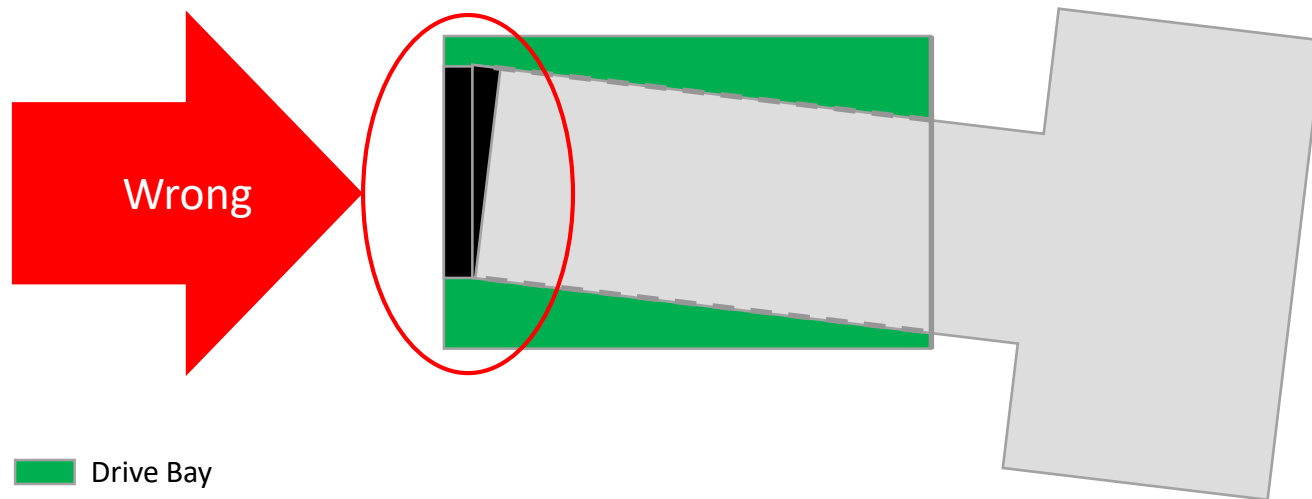
Proper insertion must meet the following criteria *prior to insertion*:

1. Male U.2 connector is 100% vertically aligned with U.2 female connector
2. Male U.2 connector is 100% horizontally aligned with U.2 female connector
3. Minimum insertion force is used

Failure to meet these requirements will result in damage to both the Interposer and the Drive Bay.

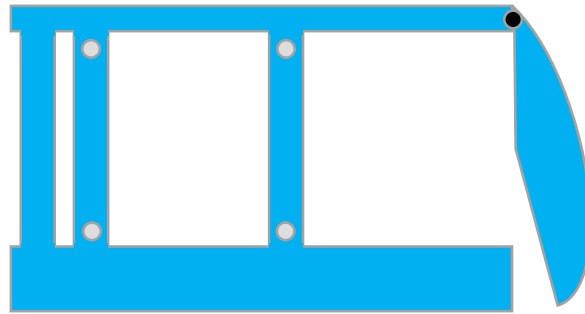
Requirement 2 of 2: Strain Relief

Due to the geometry of the U.2 Interposer, damage to both the interposer and drive bay U.2 connectors will result unless strain relief is provided



Strain Relief - Preferred Method (1 of 5)

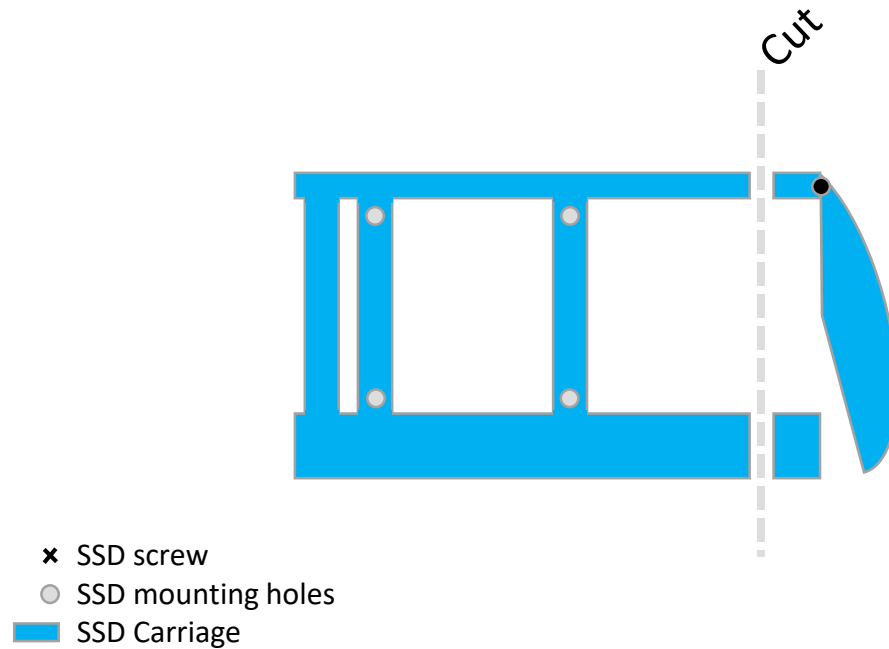
- To guarantee that the interposer is inserted, correctly, a Drive Carriage must be mounted to the U.2 interposer
- The drive carriage must be modified to accommodate the interposer



- × SSD screw
- SSD mounting holes
- SSD Carriage

Strain Relief - Preferred Method (2 of 5)

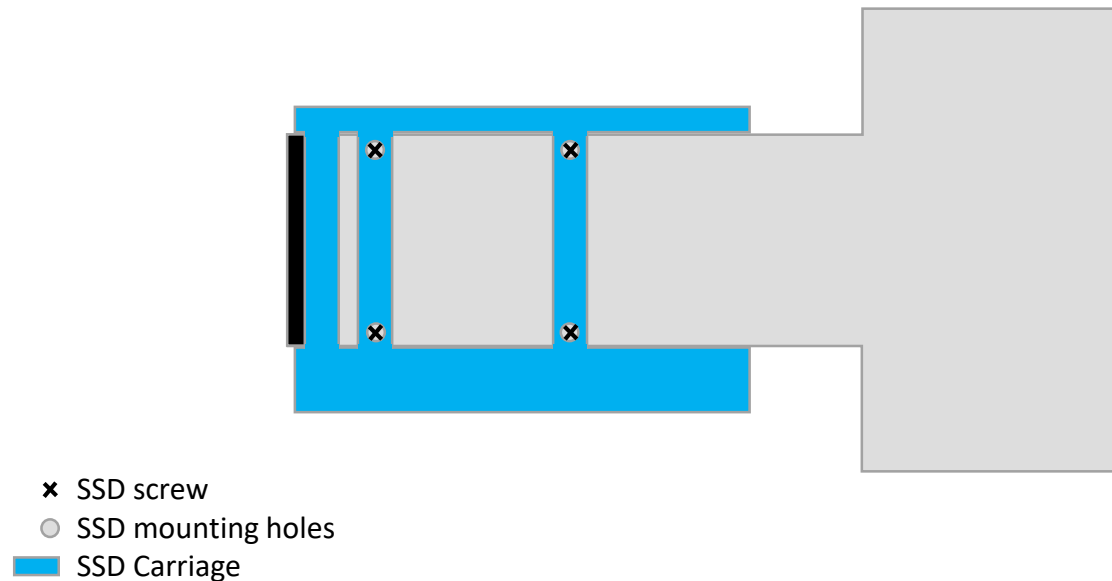
To modify the drive carriage, the back must be removed (see below)



Strain Relief - Preferred Method (3 of 5)

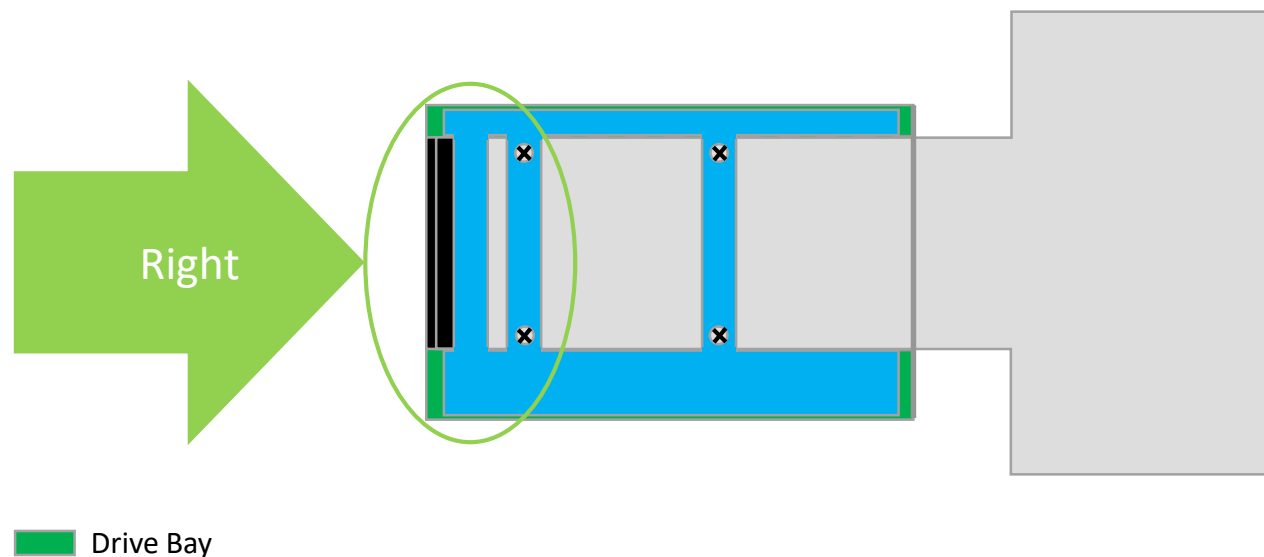
Mount the Interposer to the drive carriage using the screws supplied with the drive carriage

- The U.2 interposer matches 2.5-inch SSD geometry and has holes to accommodate these screws



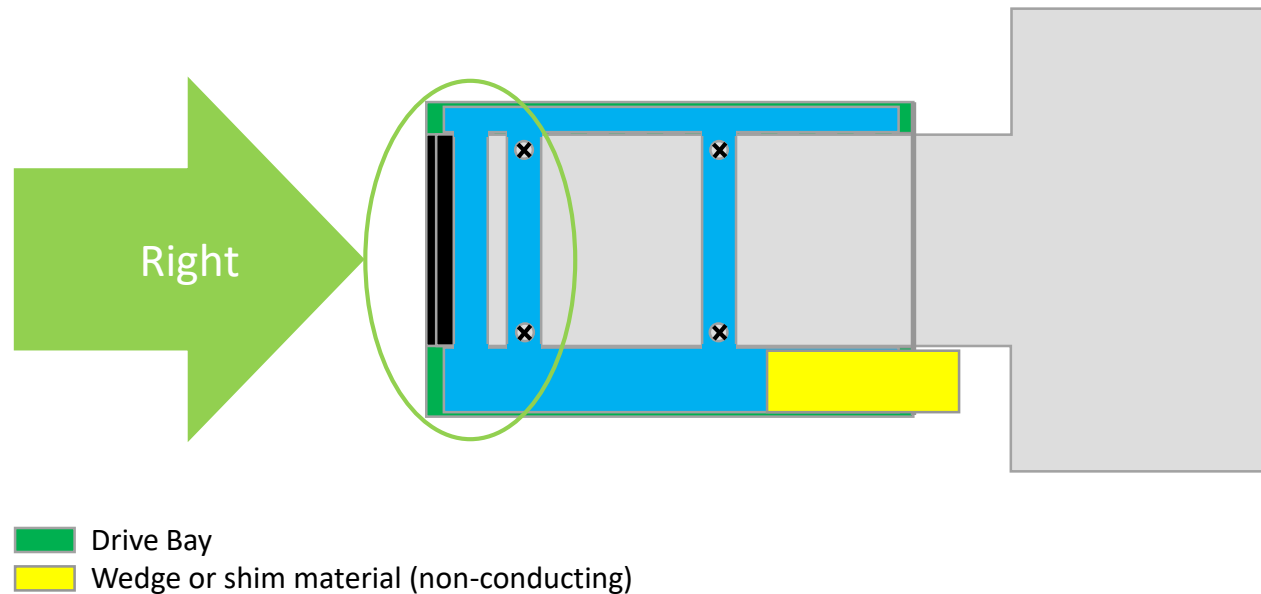
Strain Relief - Preferred Method (4 of 5)

Once fastened to the Drive Carriage, the U.2 interposer may be inserted into the drive bay without damage.



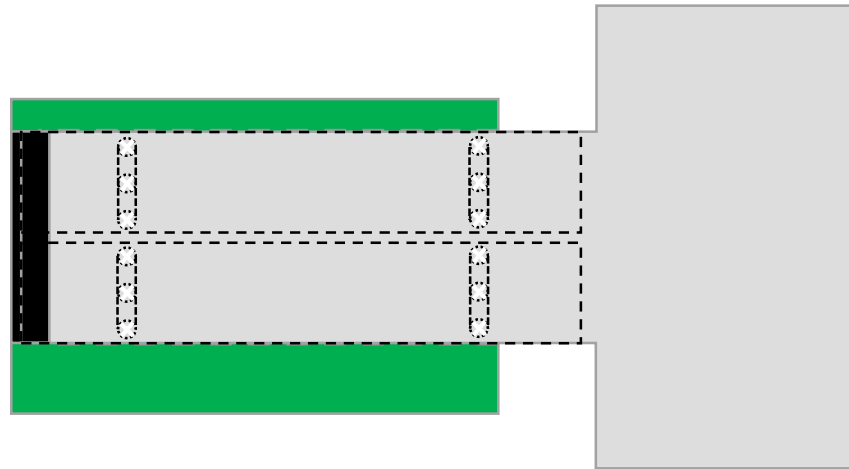
Strain Relief - Preferred Method (5 of 5)

Note: depending on the strength of the modified drive carriage, additional strain relief may be required for prolonged interposer use



Strain Relief - Backup Method (1 of 3)

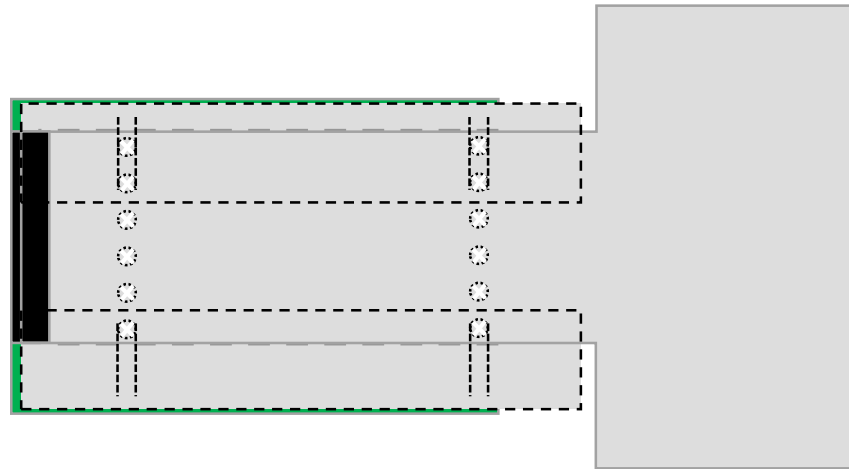
If it is not possible to use a drive carriage, the U.2 Interposer may be widened to provide strain relief.





- Drive Bay
- ⊙ Interposer flange mounting screw (on opposite/top side)

Strain Relief - Backup Method (2 of 3)

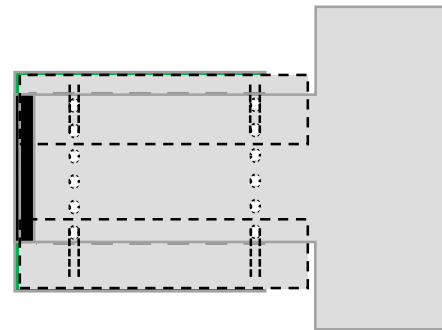
To adjust the flanges: loosen the screws, slide the flanges out, and re-tighten. Then, insert the interposer into the drive bay.



-  Drive Bay
-  Interposer flange mounting screw (on opposite/top side)

Strain Relief - Backup Method (3 of 3)

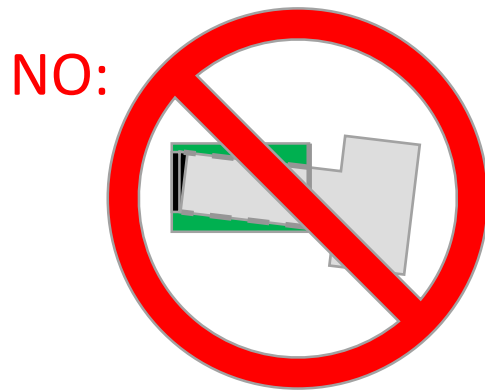
- Special considerations:
 - **Using a drive carriage is the preferred method.** Contact support@serialtek.com for assistance prior to widening the interposer flanges
 - Adjusting the flanges can only provide strain relief along the width of the interposer.
 - **Caution: interposer can be misaligned even when the flanges are properly adjusted.** Inserting while misaligned will damage the U.2 connectors.



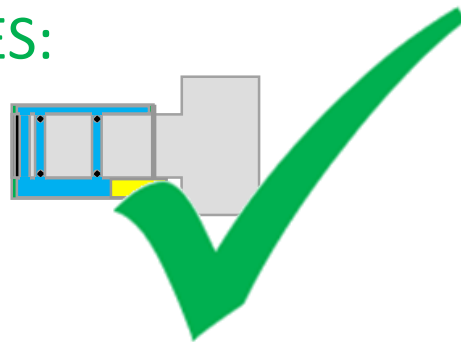
- Drive Bay
- ⊙ Interposer flange mounting screw (on opposite/top side)

Review

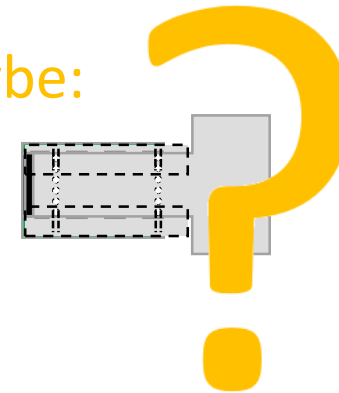
- End User is responsible for proper interposer installation and use
- The U.2 Interposer must be fastened to a drive carriage to ensure proper alignment and strain relief



YES:



Maybe:



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Thank You.

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