

## Application Note

065

### Replacing an interconnect PCB in M520 and M620 blades

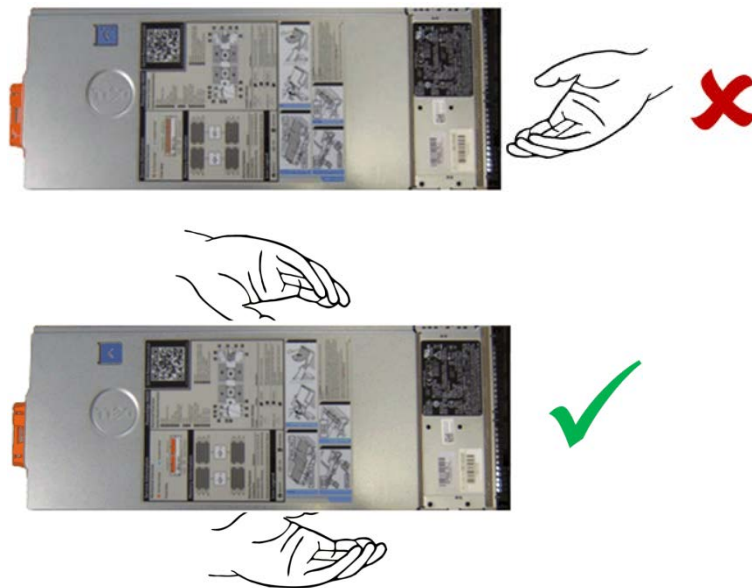
#### 1. Introduction

This application note describes how to replace an interconnect PCB on a M520 or M620 blade.

**Note:** The following illustrations show an M520 blade, but the principles apply equally to M620 blades.

#### 2. Health & safety

- Never carry the blade by its handle.



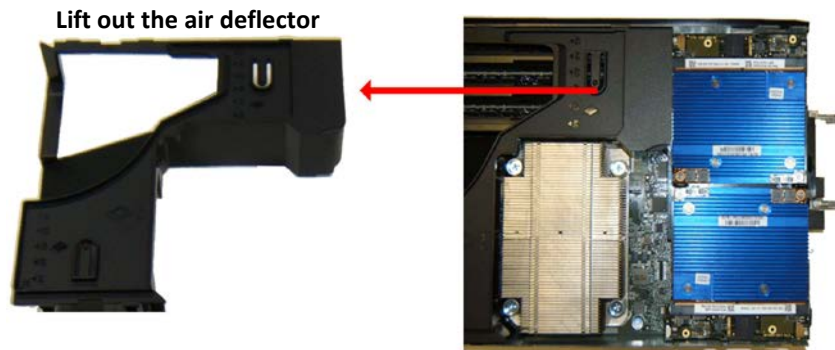
- Always wear an anti-static strap connected to an appropriate electrostatic discharge (ESD) point before handling the host card or an opened Dell blade.

### 3. Removing the existing host cards

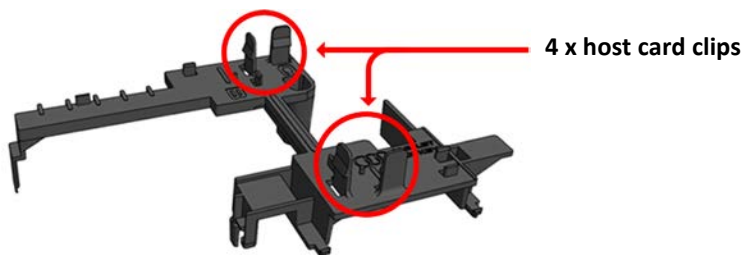
Before removing the host cards, note the following points:

- **Read all of Section 3 before removing the host cards.**
- Never handle the host card by the blue heat sink.

1. (Only applicable to the M520 blade) Remove the air deflector to give easy access to the host cards. You must reinstall the air deflector at the end of the process.

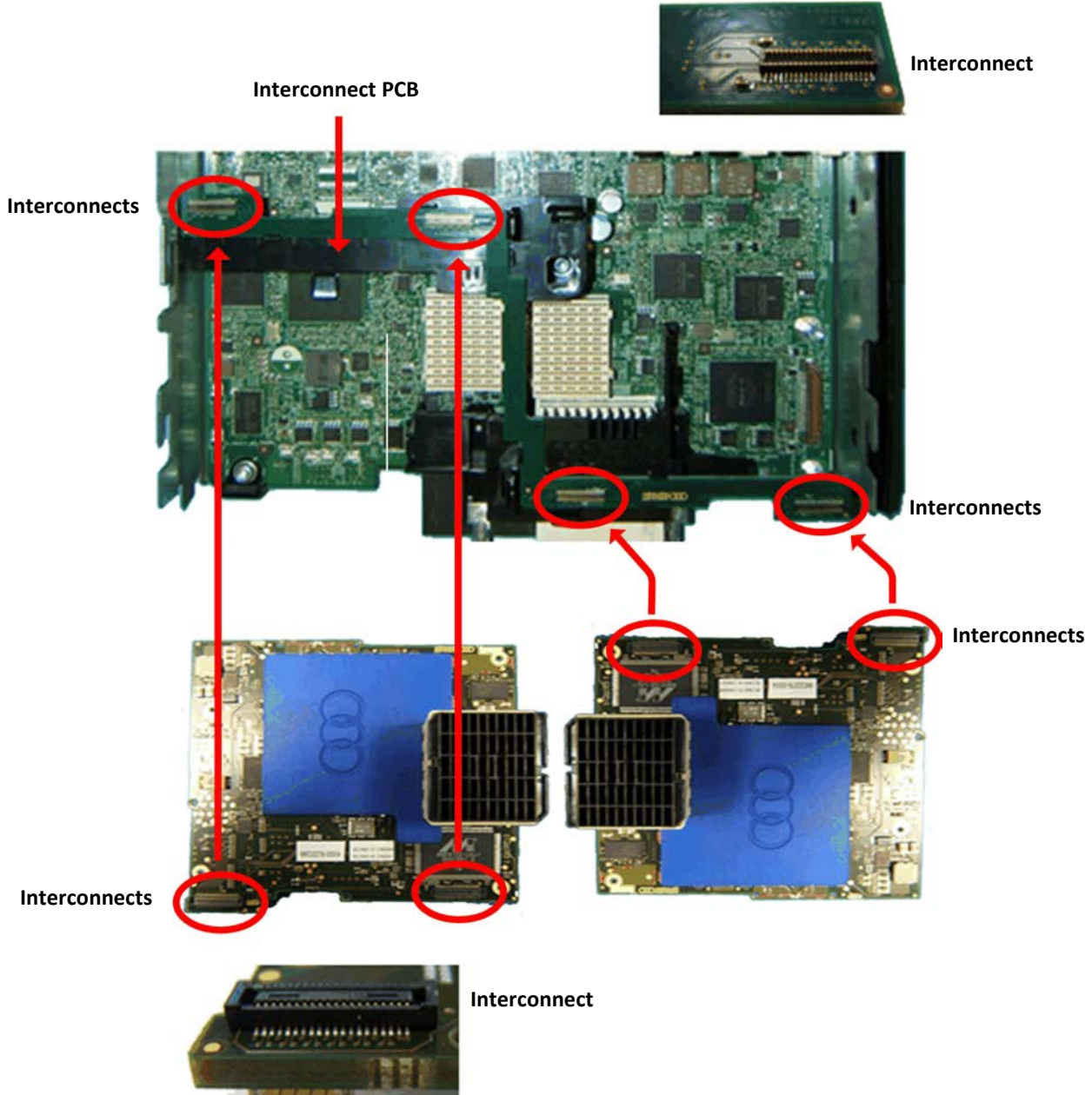


2. The host card is held in place by clips (see below), which are integral to the plastic host card holder. There are two clips for each host card. Gently push these away from the card to allow it to be removed.



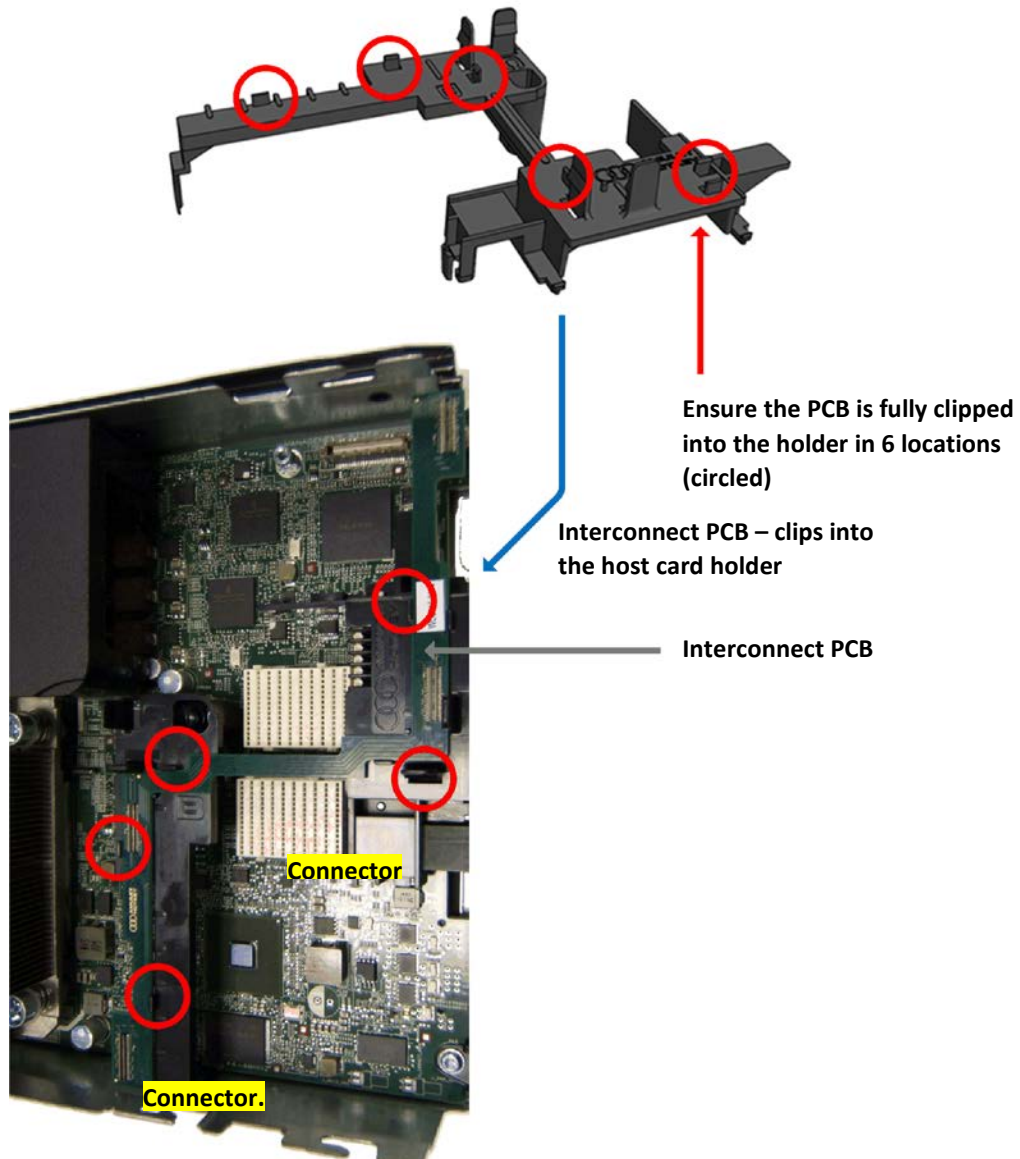
3. The host cards are also attached to the Interconnect PCB by small connectors.

*Carefully disconnect these connectors before removing the host card.* Firmly hold the Interconnect PCB and carefully pull the host card away. The connectors will easily disconnect.



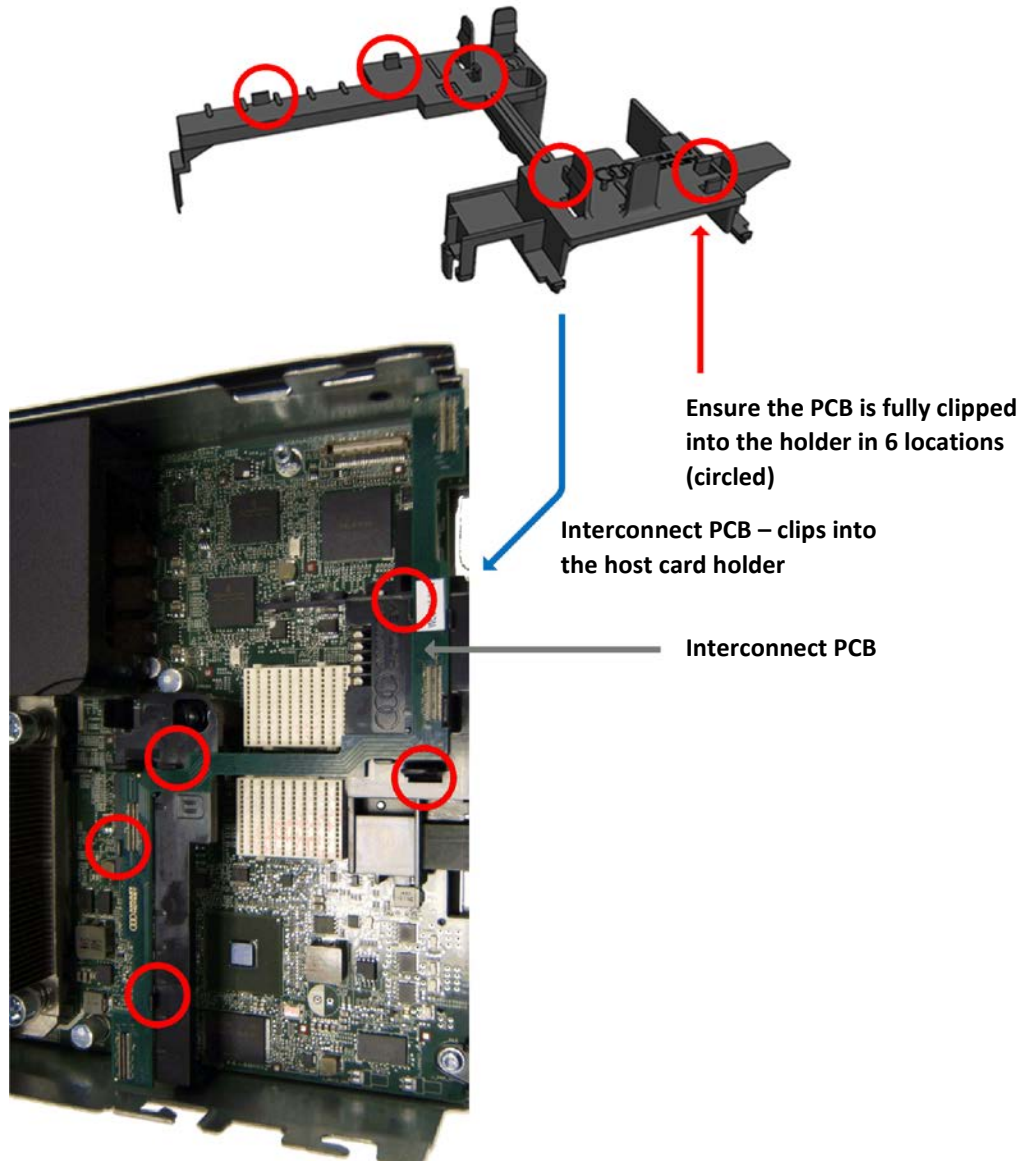
- Carefully remove **both** host cards. We recommend that they are kept in appropriate ESD safe bags for safe storage.
- With the host cards removed, you can replace the Interconnect PCB.

The PCB is held in place by 6 integrated clips (circled below). These need to be carefully pushed away from the PCB to allow it to be safely removed.



#### 4. Insert the new Interconnect PCB.

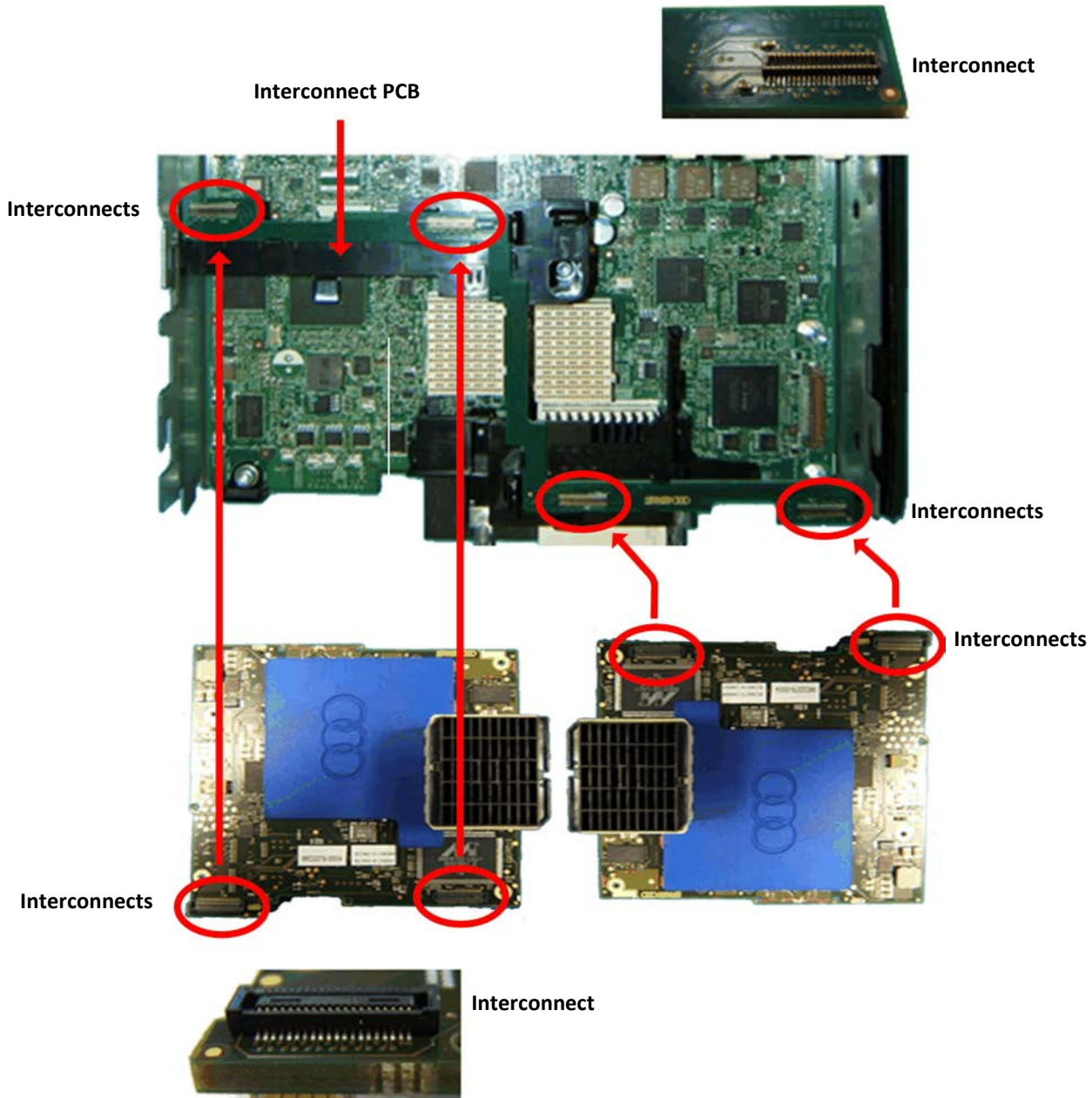
Reinstall the new Interconnect PCB with the connectors facing upwards. The PCB is designed to fit either way round.



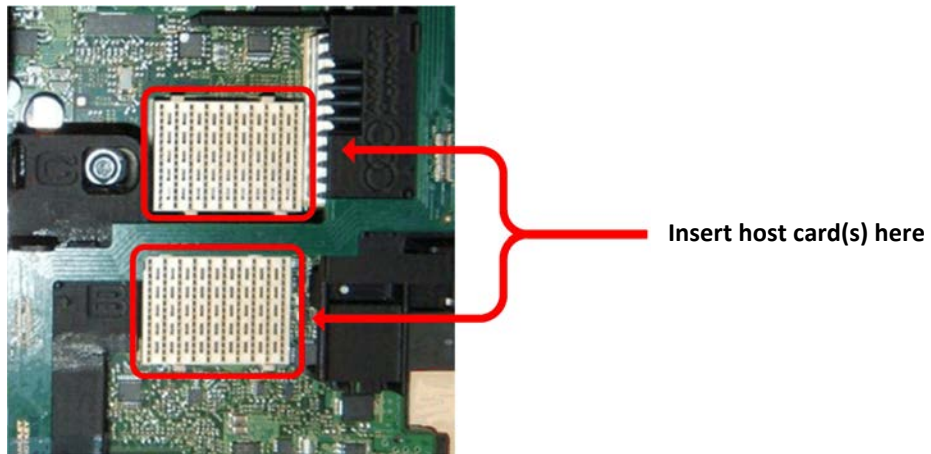
## 5. Reinstalling the Host cards.

Read all of Section 5 before installing the host cards.

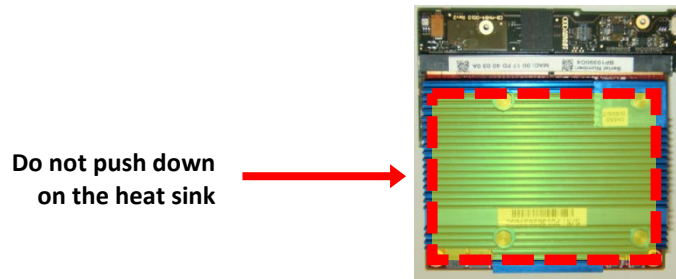
**Important:** When installing the host card(s) on to the Interconnect PCB, ensure that the host connectors are fully installed into Interconnect PCB connectors.



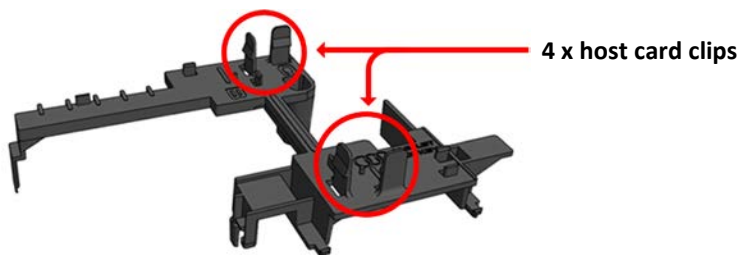
1. Reinsert the Host cards.



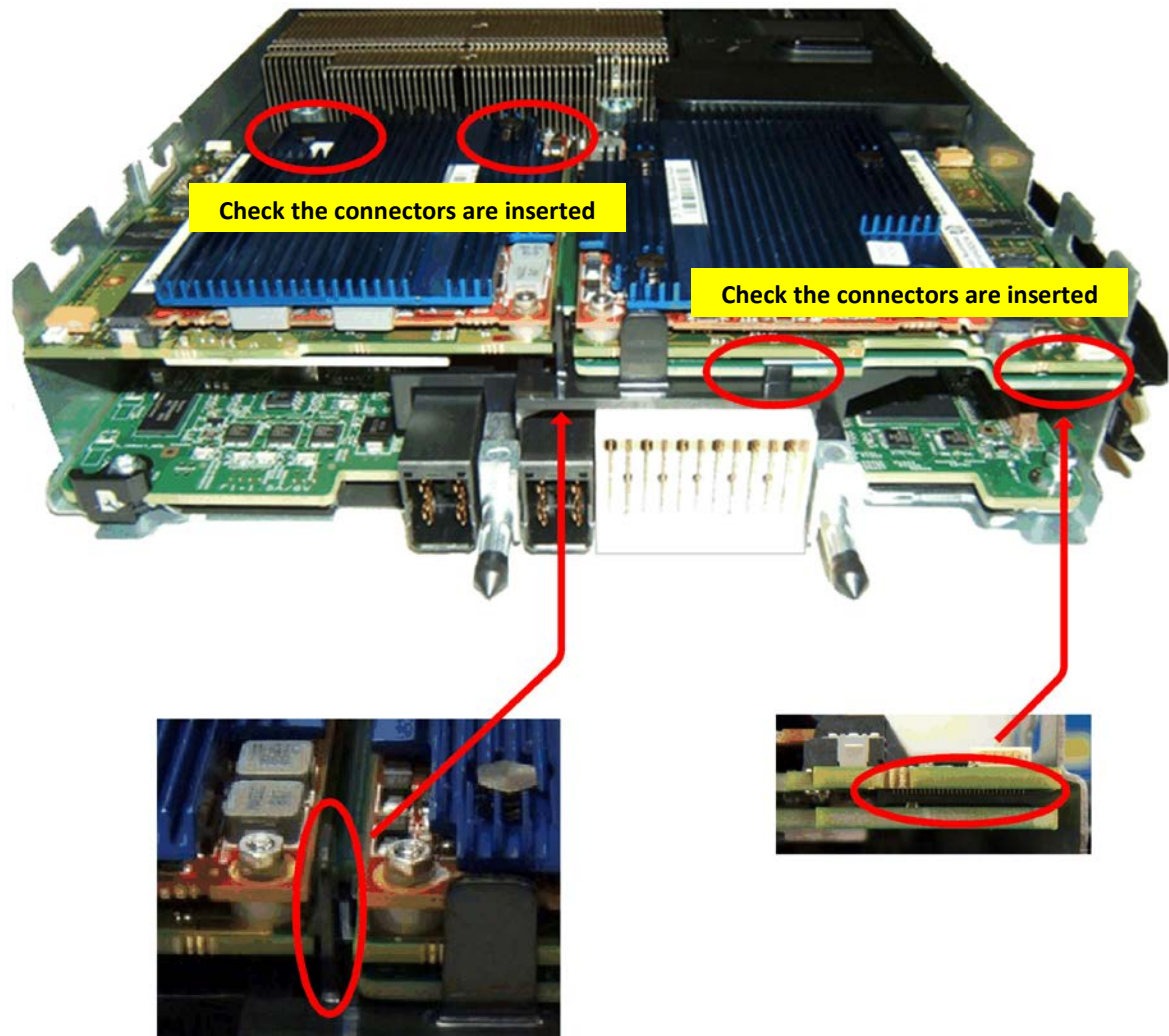
2. **Important:** When installing the card, do not push down on the **MXM heat sink**.



3. The host clips into the host card holder and connects to the interconnect PCB.



4. Check that the interconnect card connectors are fully inserted into the host connectors. Take particular care to check the Fabric B host card, which cannot easily be seen.



5. Re-install the air deflector (if not already installed).
6. Replace the blade lid.

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