Inspur OCP Solution
Mission Bay Overview

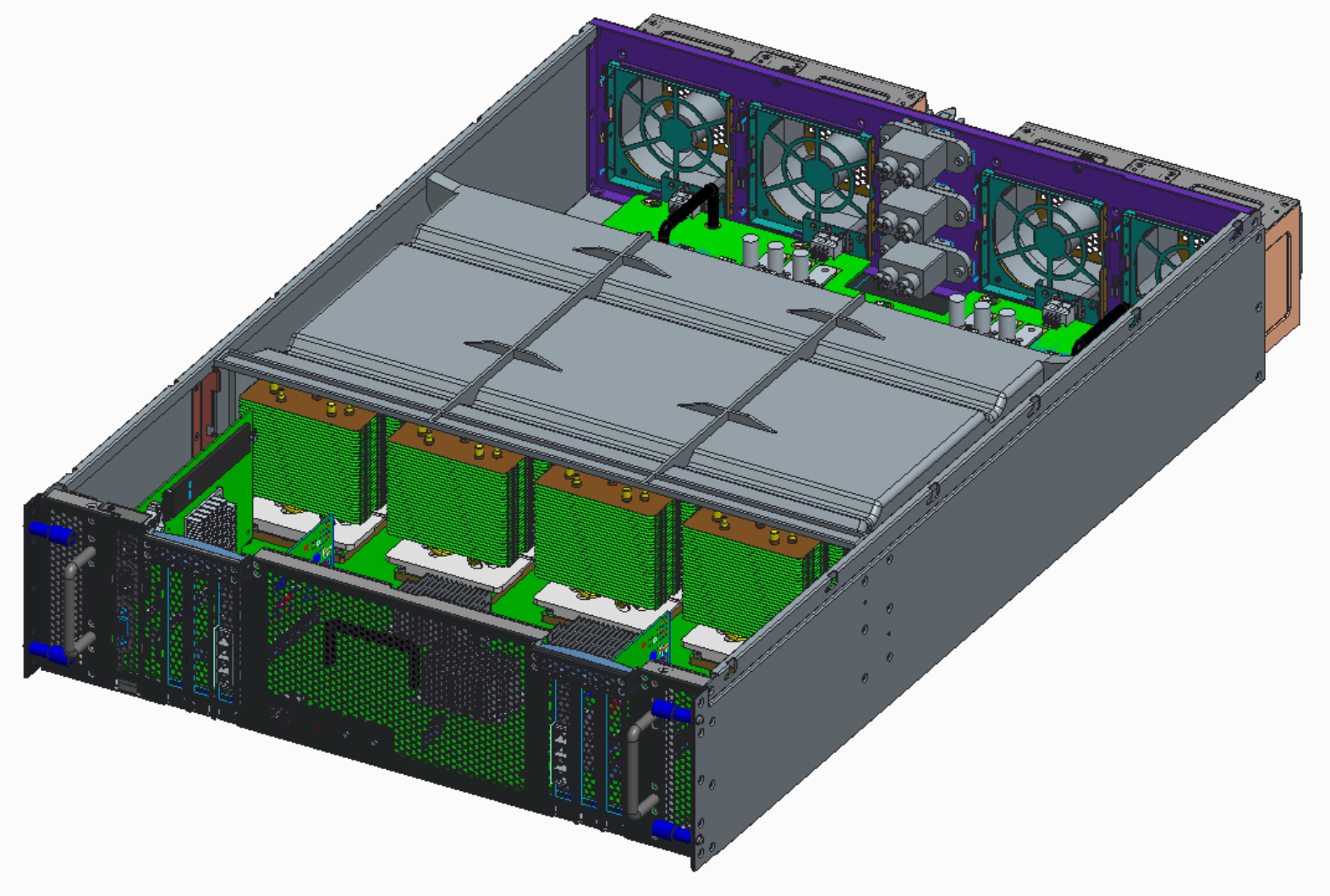
2019

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Mission Bay product Overview

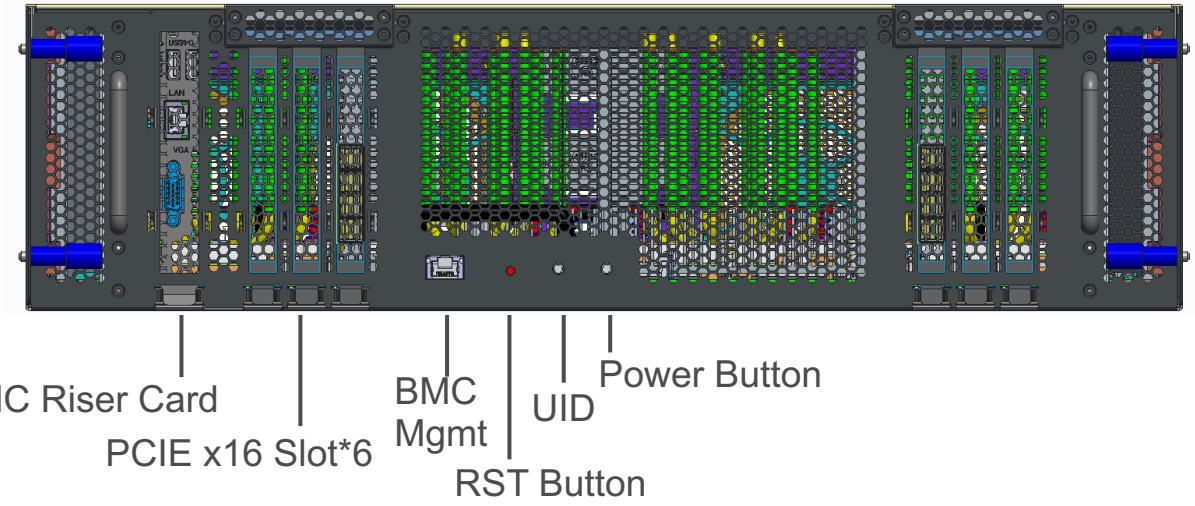
- 8 SXM2 GPUs
- 1 CMC Board
- 4 9256 fans
- 6 PCIe slots



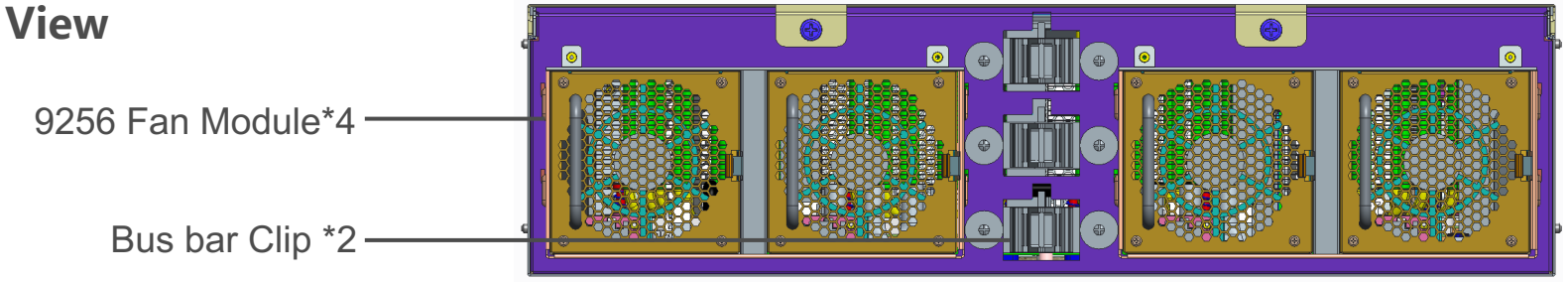
Front view and rear view

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- **Front View**

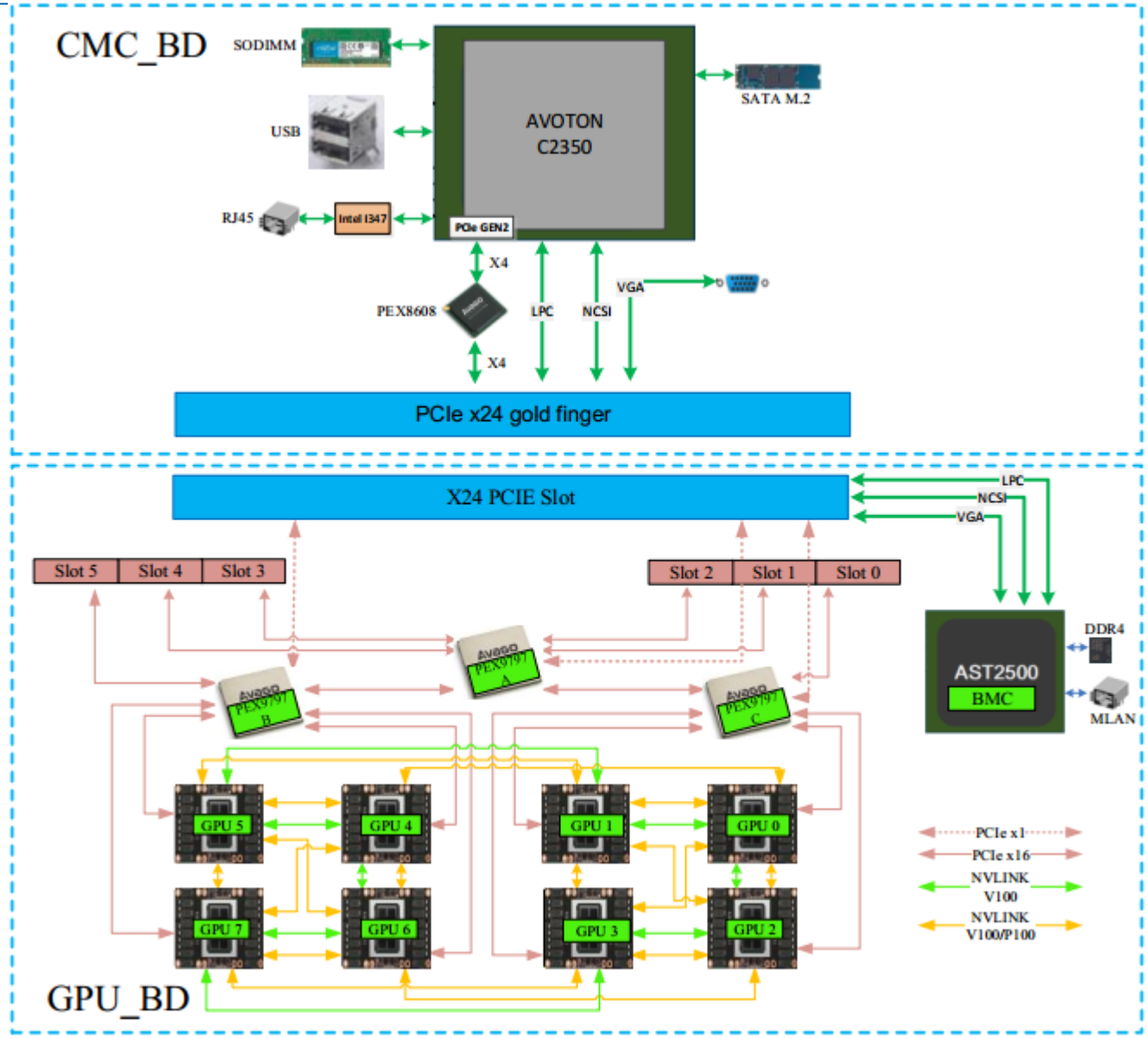


- **Back View**



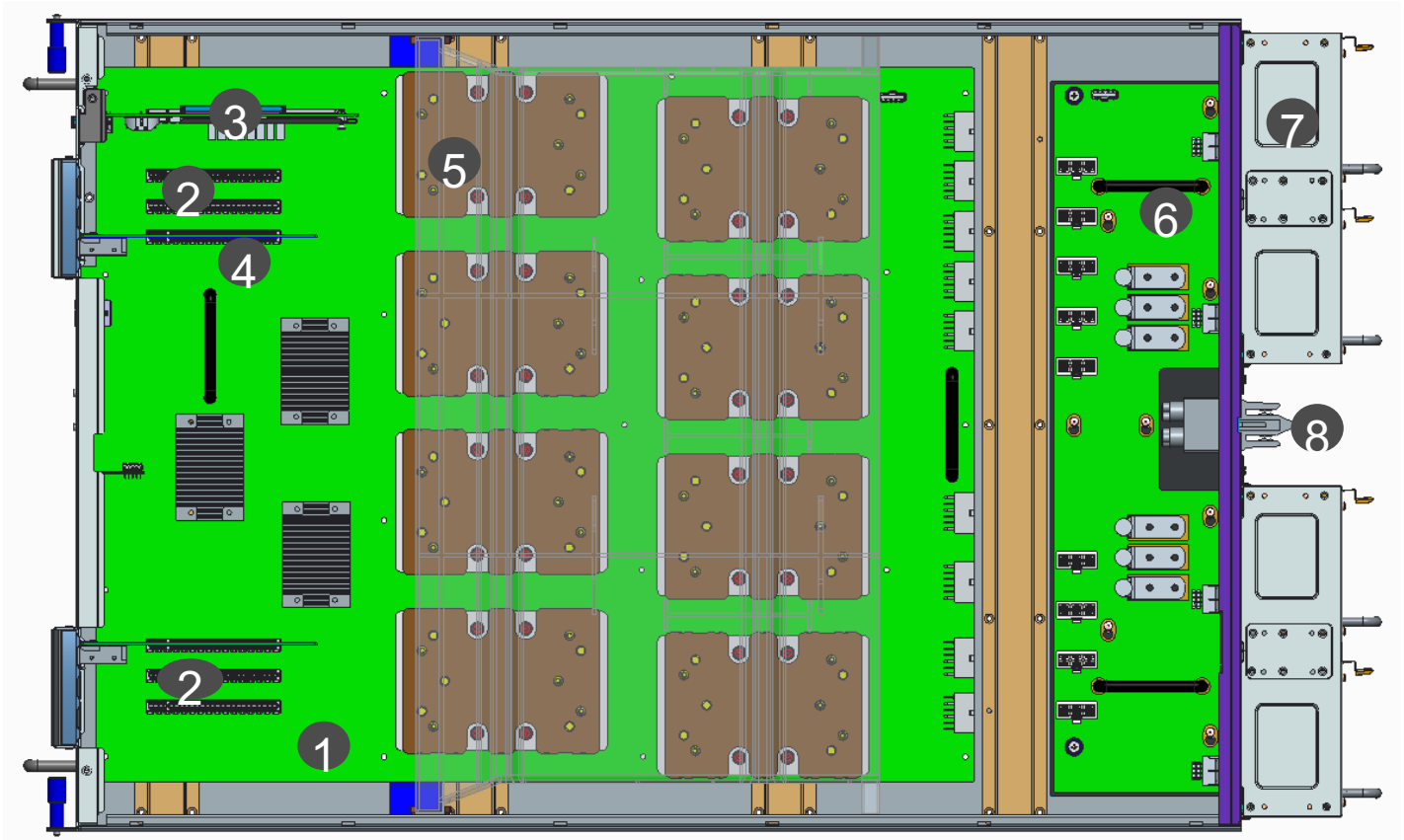
GPU Box System Topology

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Top view

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1、GPU Board
2、PCIE x16 Slot *6
3、CMC Board
4、Re-timer Card *2
5、V100 GPU Card *8
6、PDB
7、9256Fan Module *4
8、Busbar Clip*2

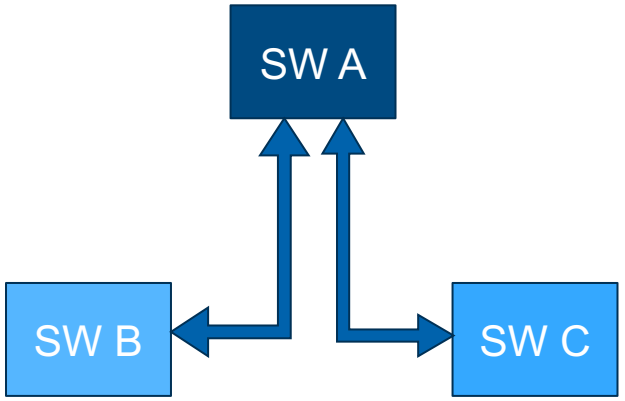
PCIe Slot Number

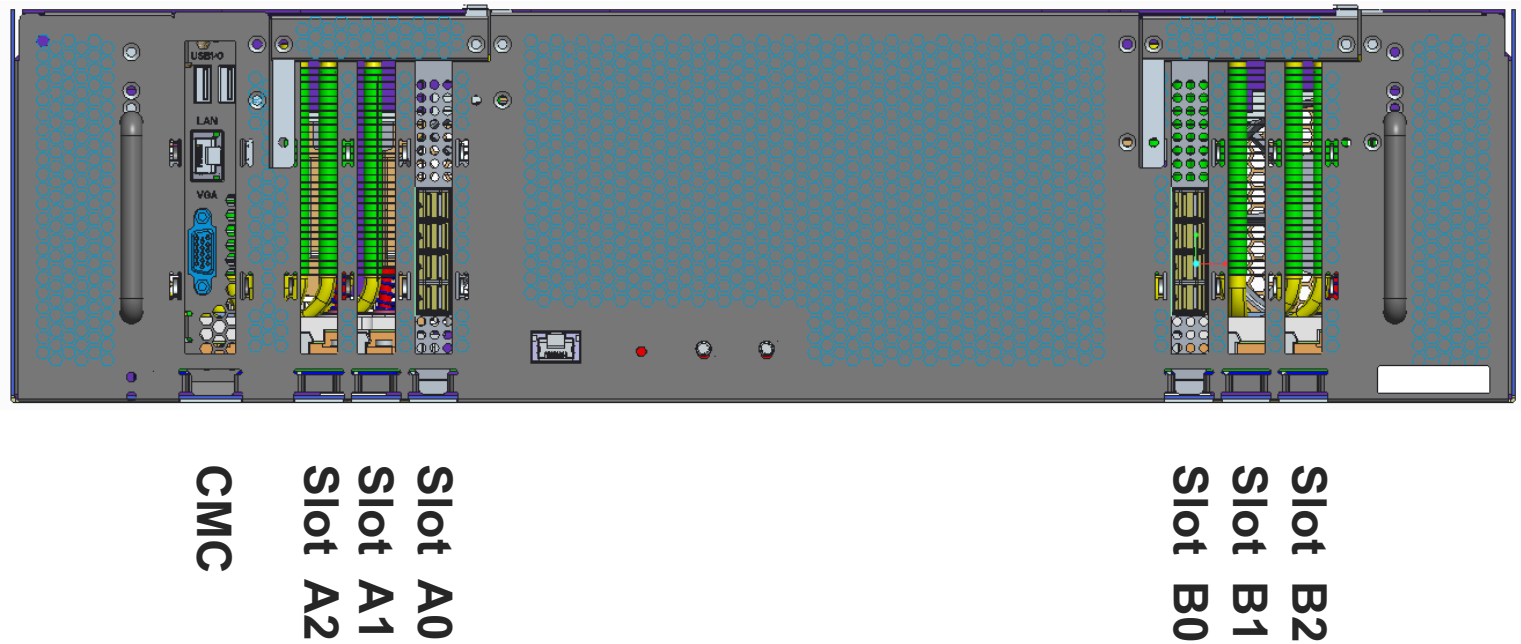
Slot A0/B0 :Switch A upstream

Slot A1/B1 :Switch A downstream

Slot A1 :Switch B downstream

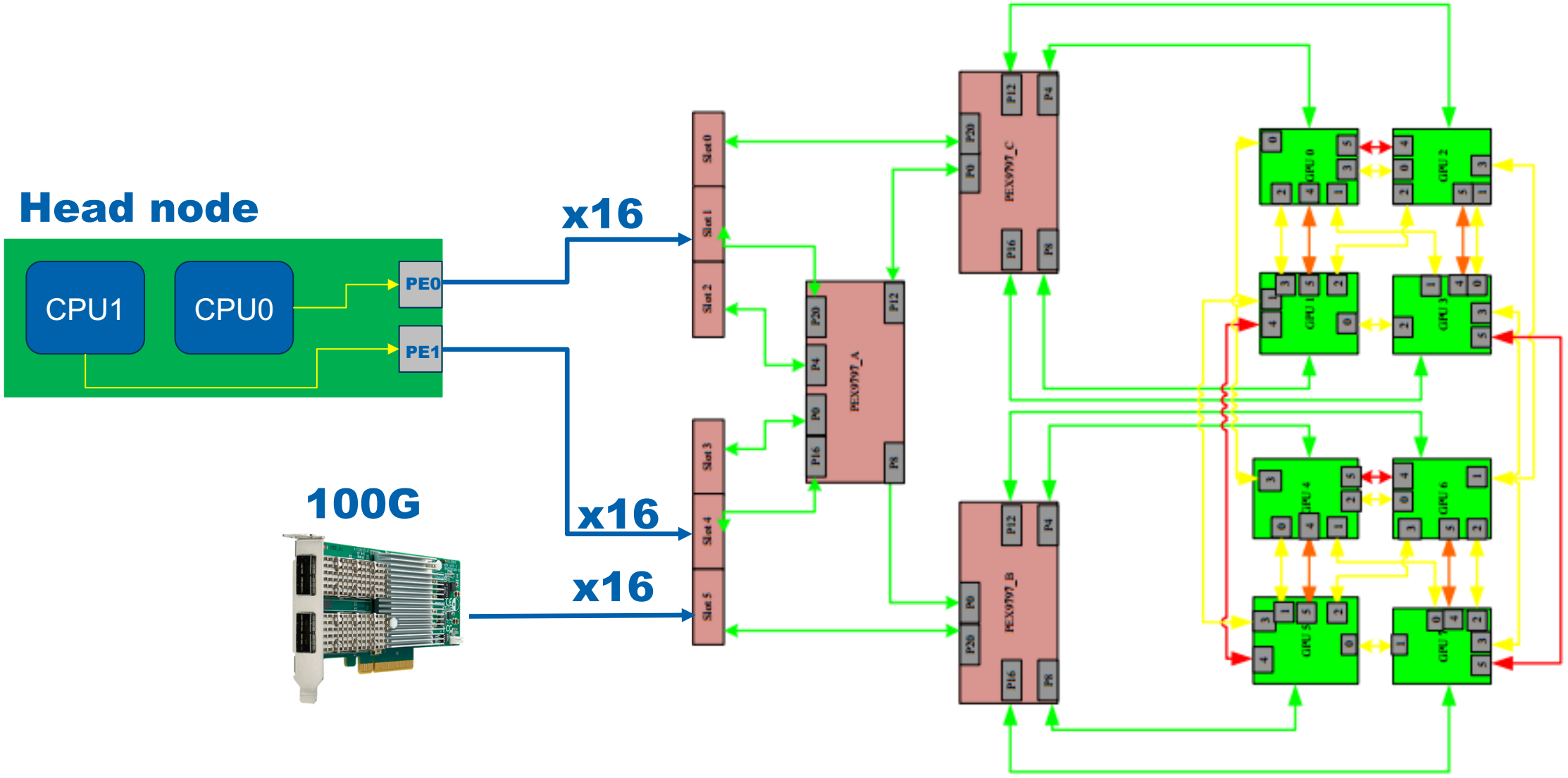
Slot B1 :Switch C downstream





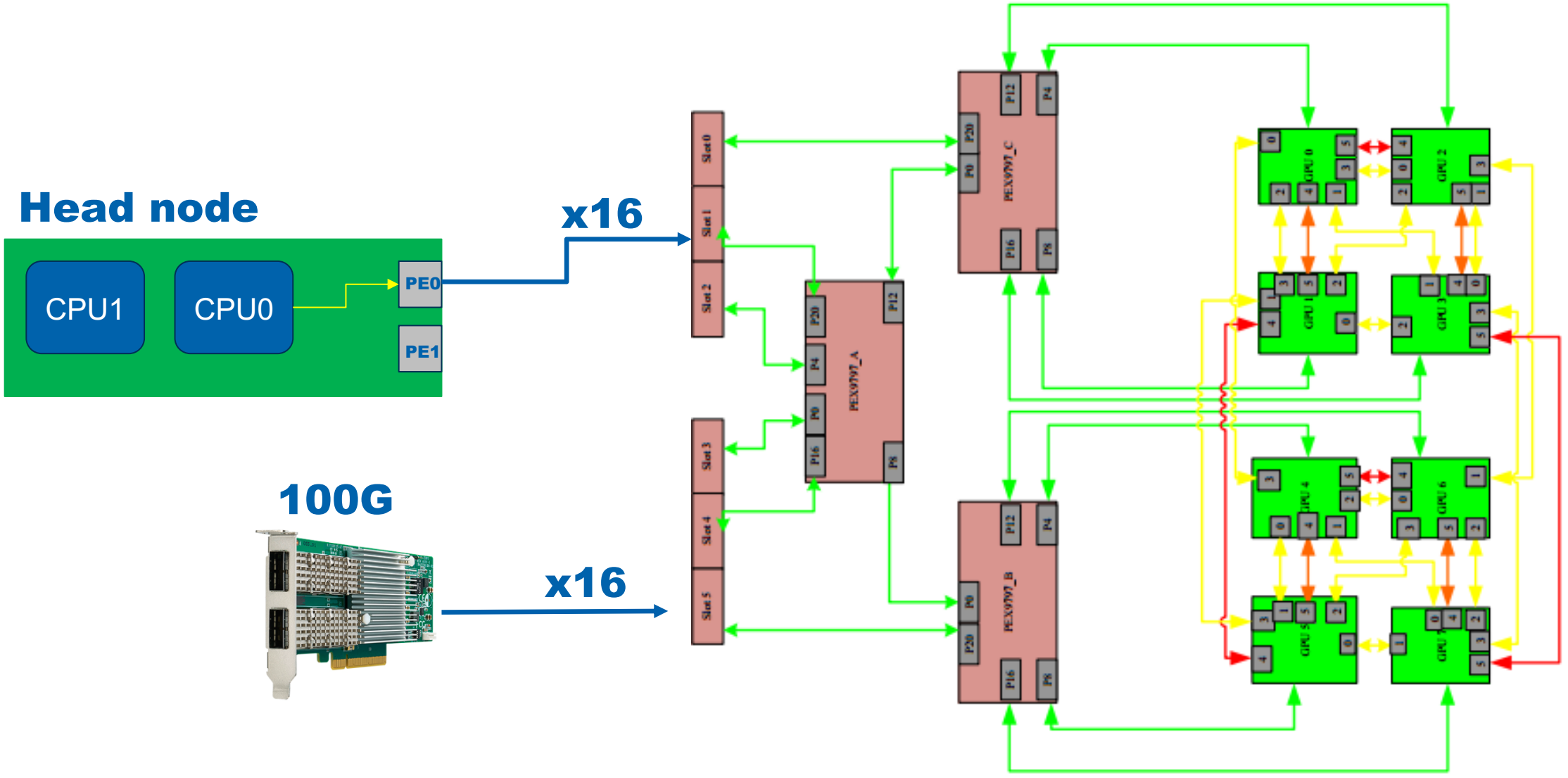
GPU Box System Connection Topology 1

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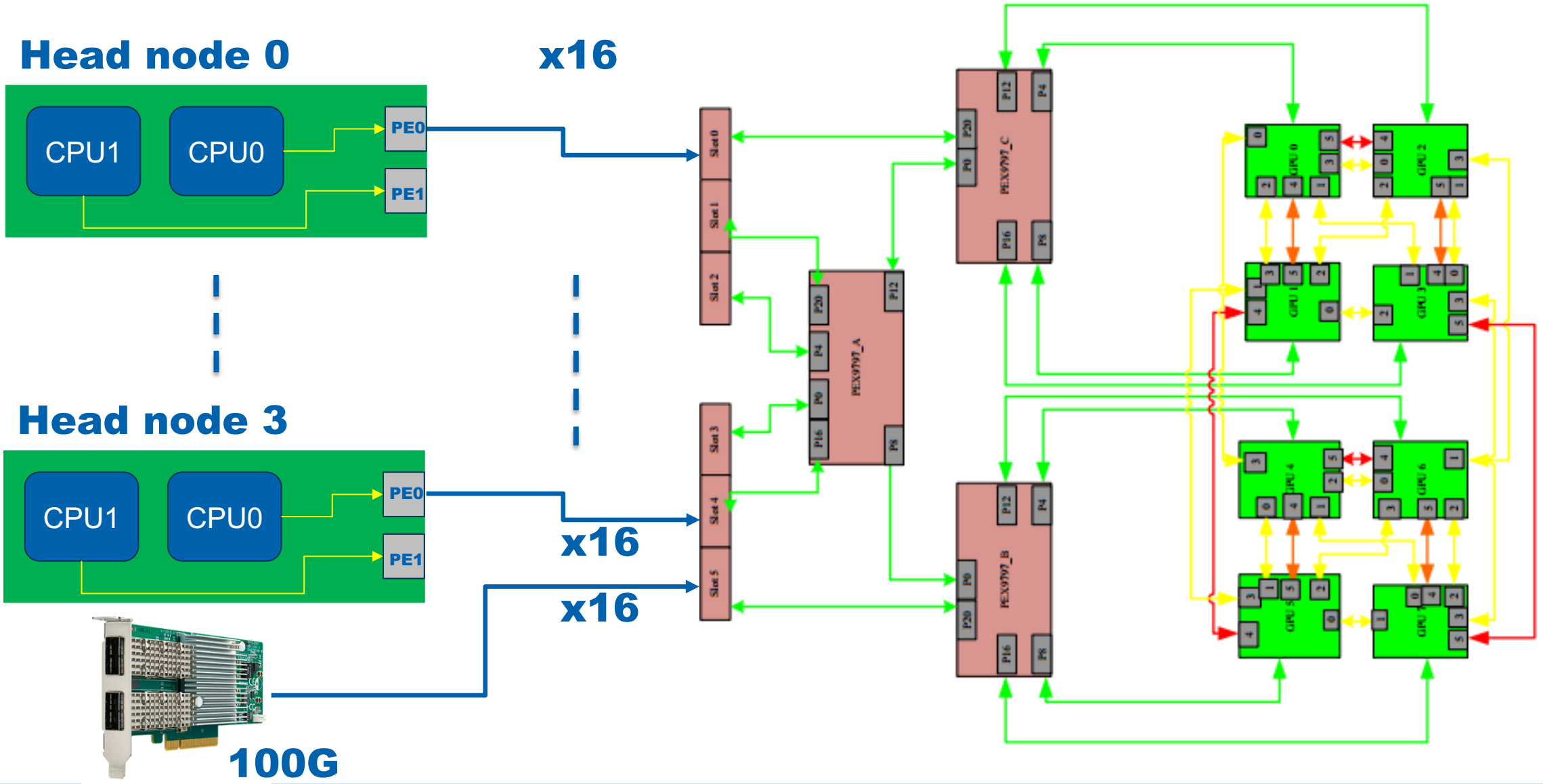
GPU Box System Connection Topology 2

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GPU Box System Connection Topology 3

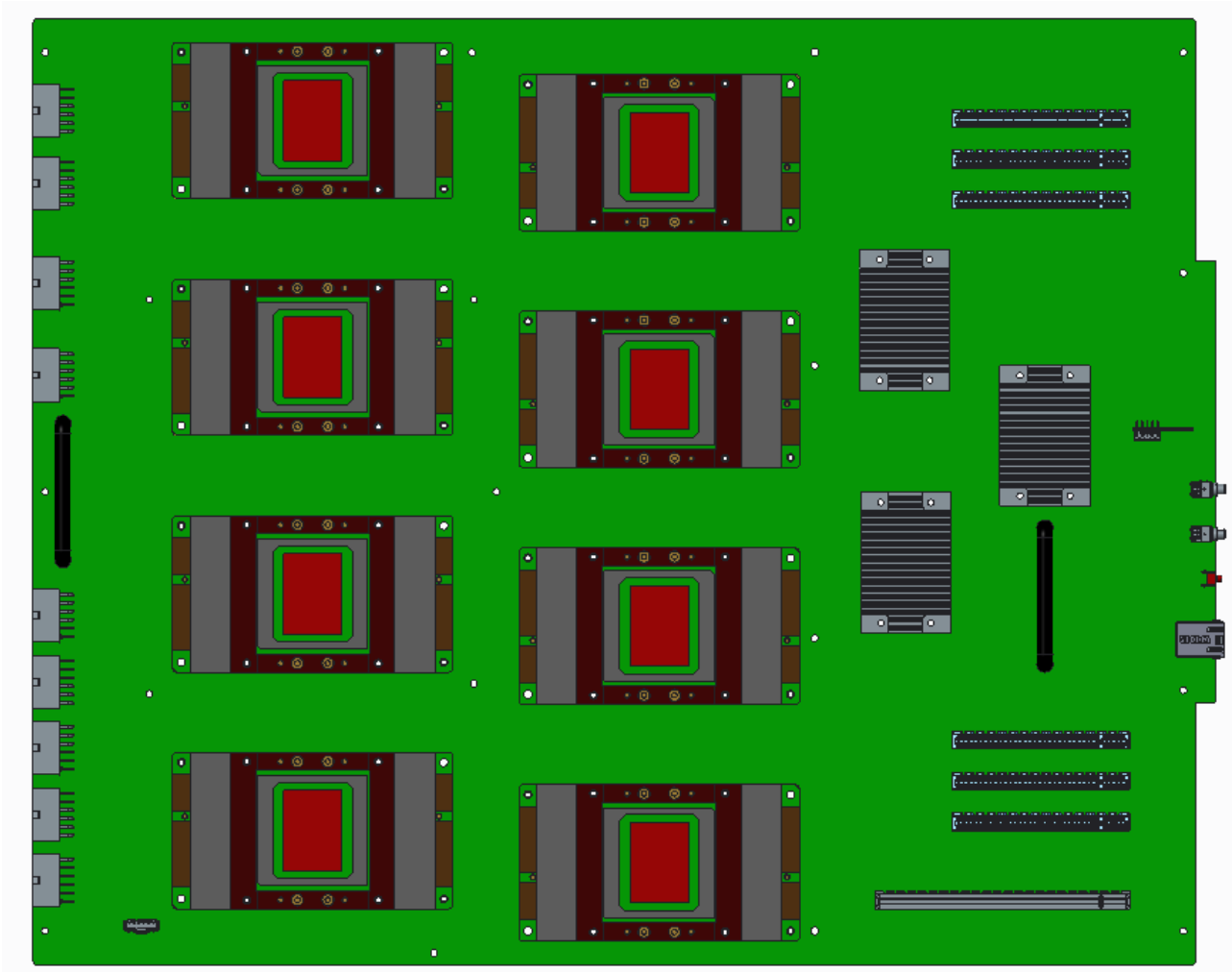
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GPU Board

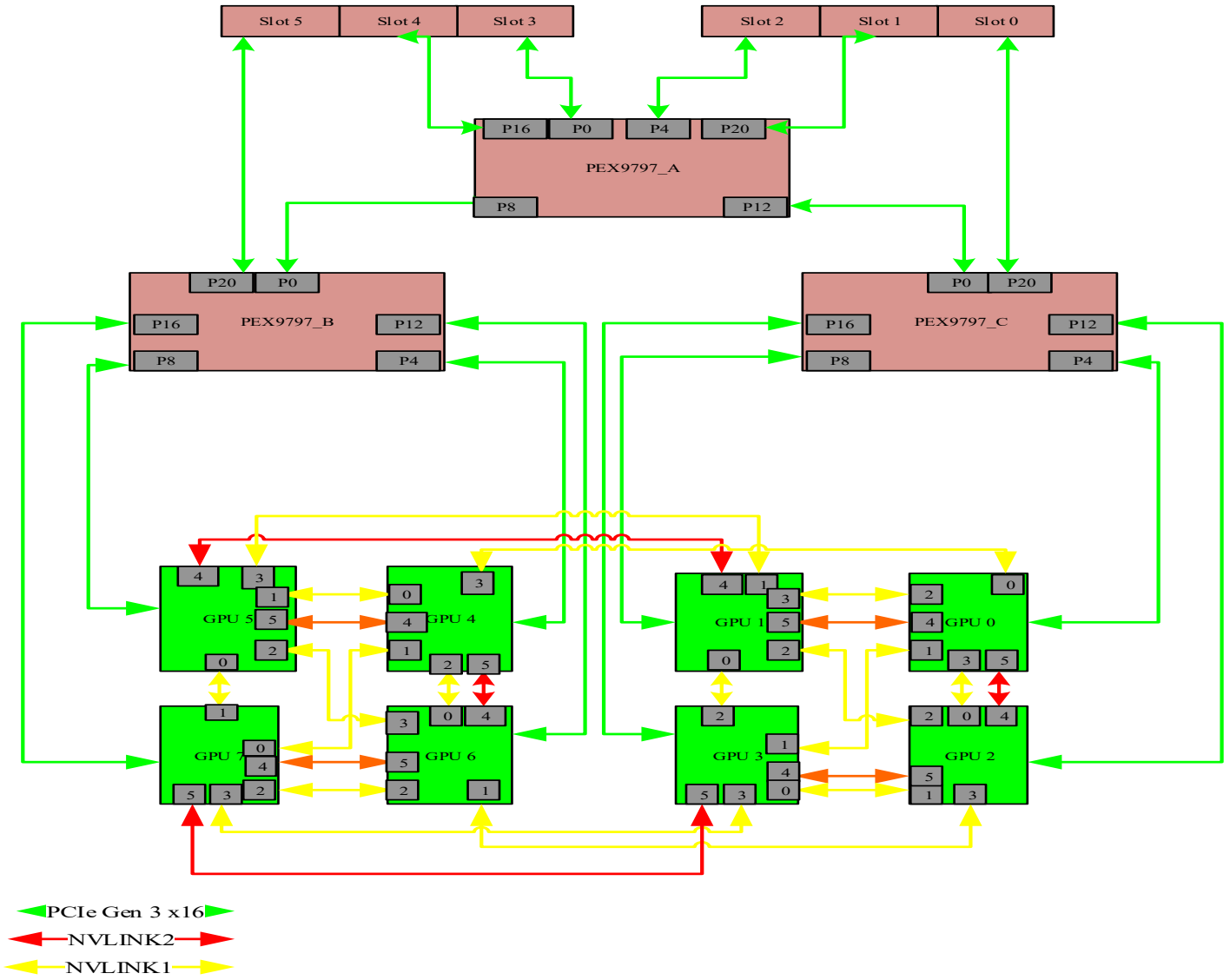
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- 8 SXM2 GPU
- 6 PCIe Slot
- BMC Mgmt
- Power button/LED
- UID Button/LED
- 3 PEX9797 PCIe switch



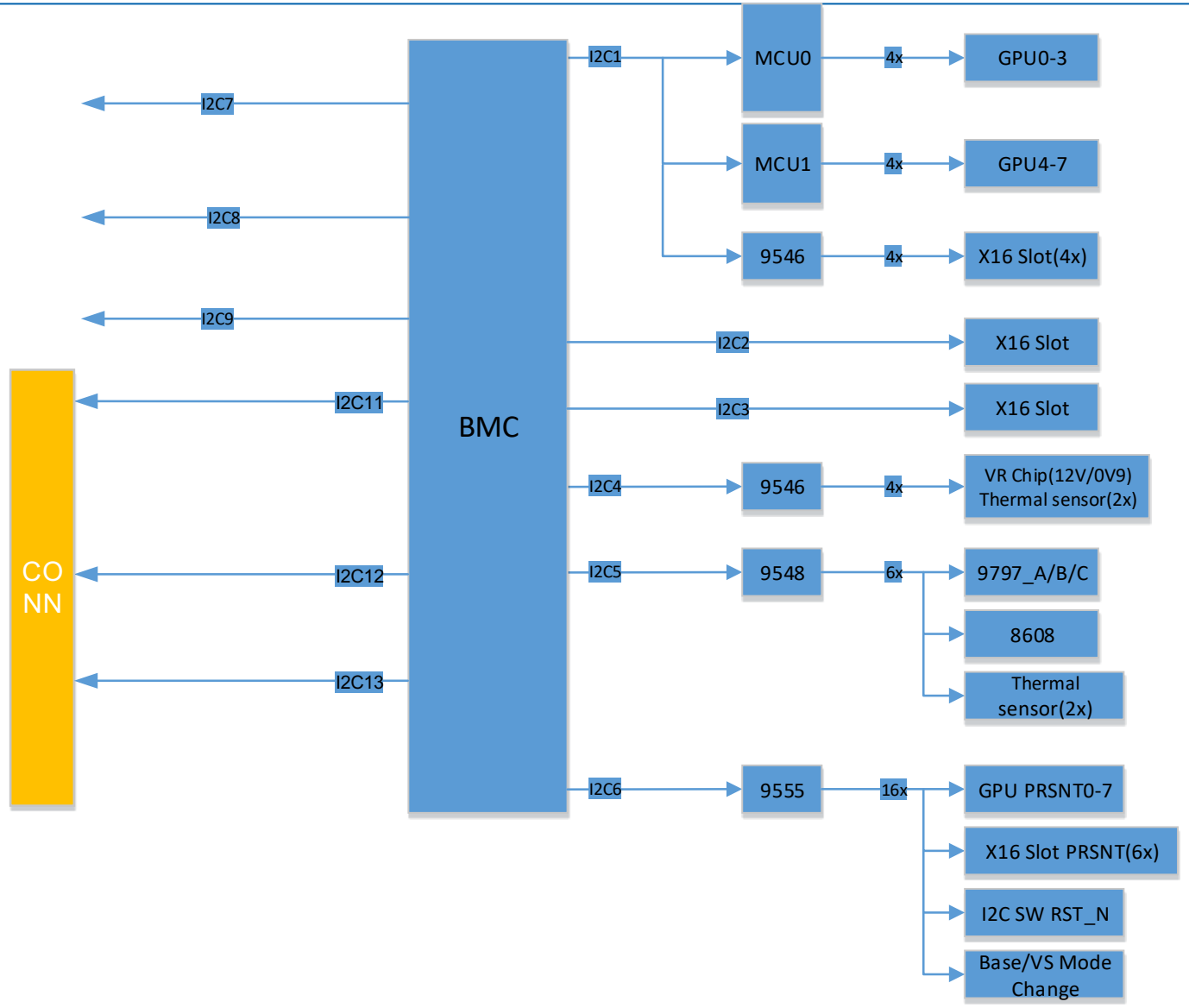
GPU Board PCIe Topology

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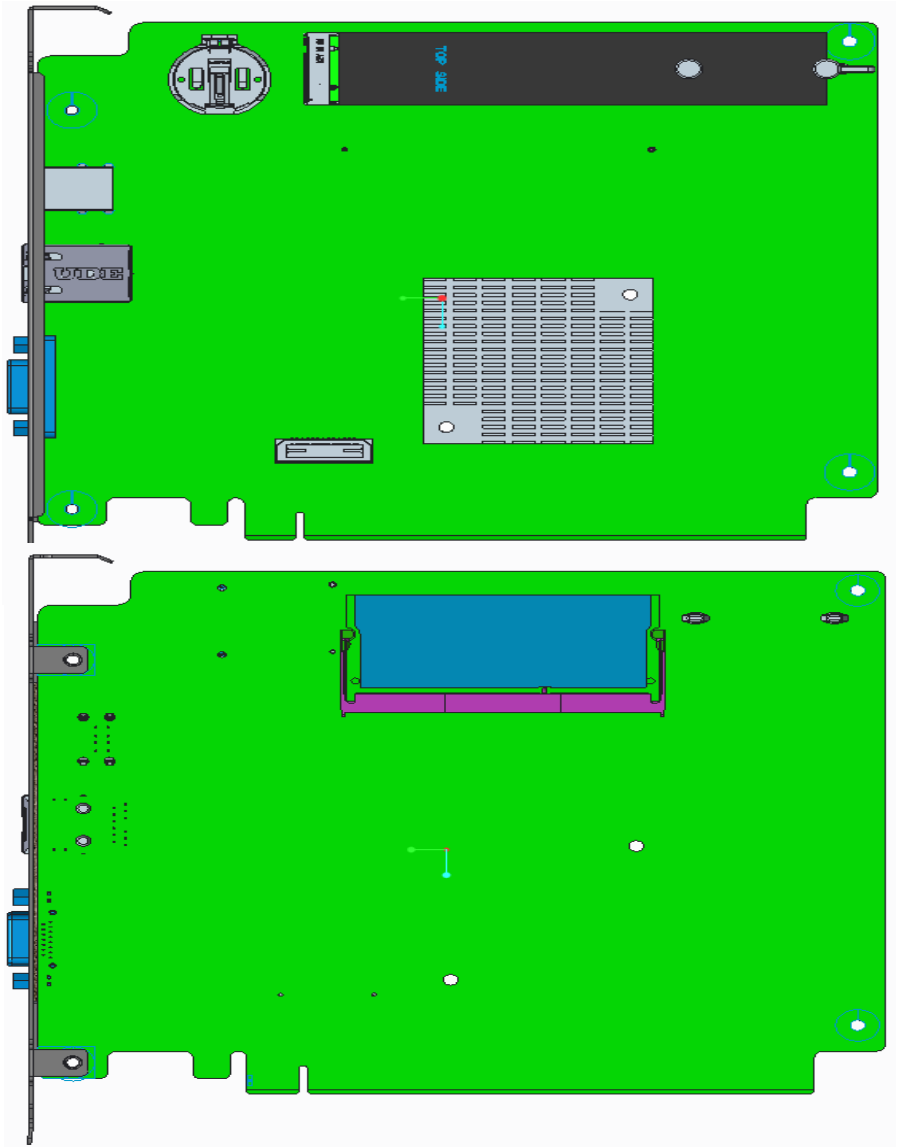
GPU Board I2C Topology

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CMC Board

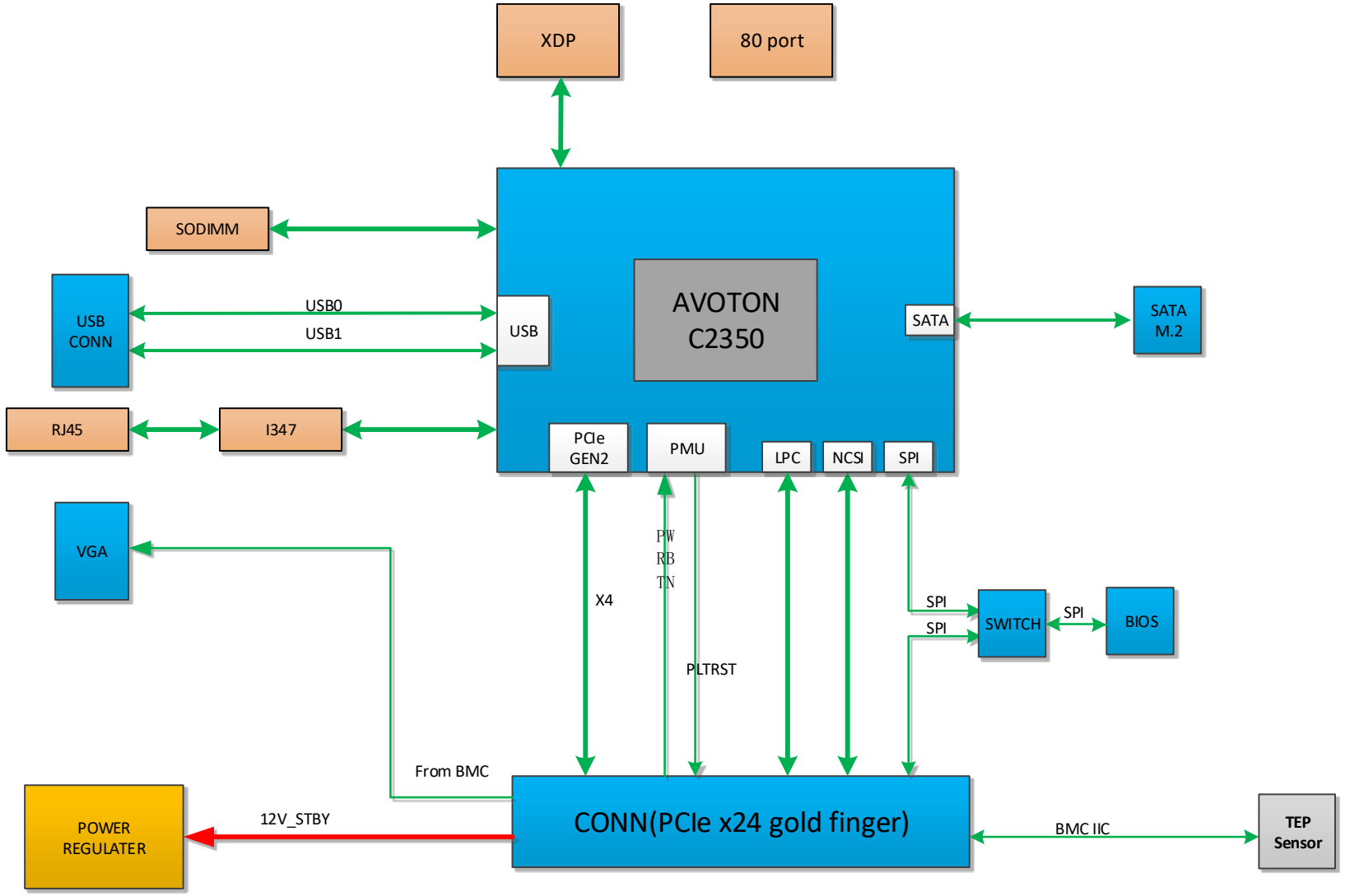
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CPU board	PCIe switch mCPU, support fabric mode
CPU(s)	Intel® Atom™ Processor C2350
Chipset(s)	NA
Memory	Support Memory: DDR3 SODIMM 1333MT/s Num of DIMM slots: 1 RAS features: ECC
VGA	From BMC
SATA storage	● 1个SATA M.2 boot drive
SAS storage	● NA
LAN	● Controller: Intel I347 ● Speed: 10/100/1000 Mbps ● LAN ports：1个RJ45
PCIe slot	PCIe2.0 x4
USB	● Number: 2 ● Compliant with the specification for USB 1.0, 1.1 and 2.0 (1.5 Mbps, 12 Mbps, 480 Mbps).

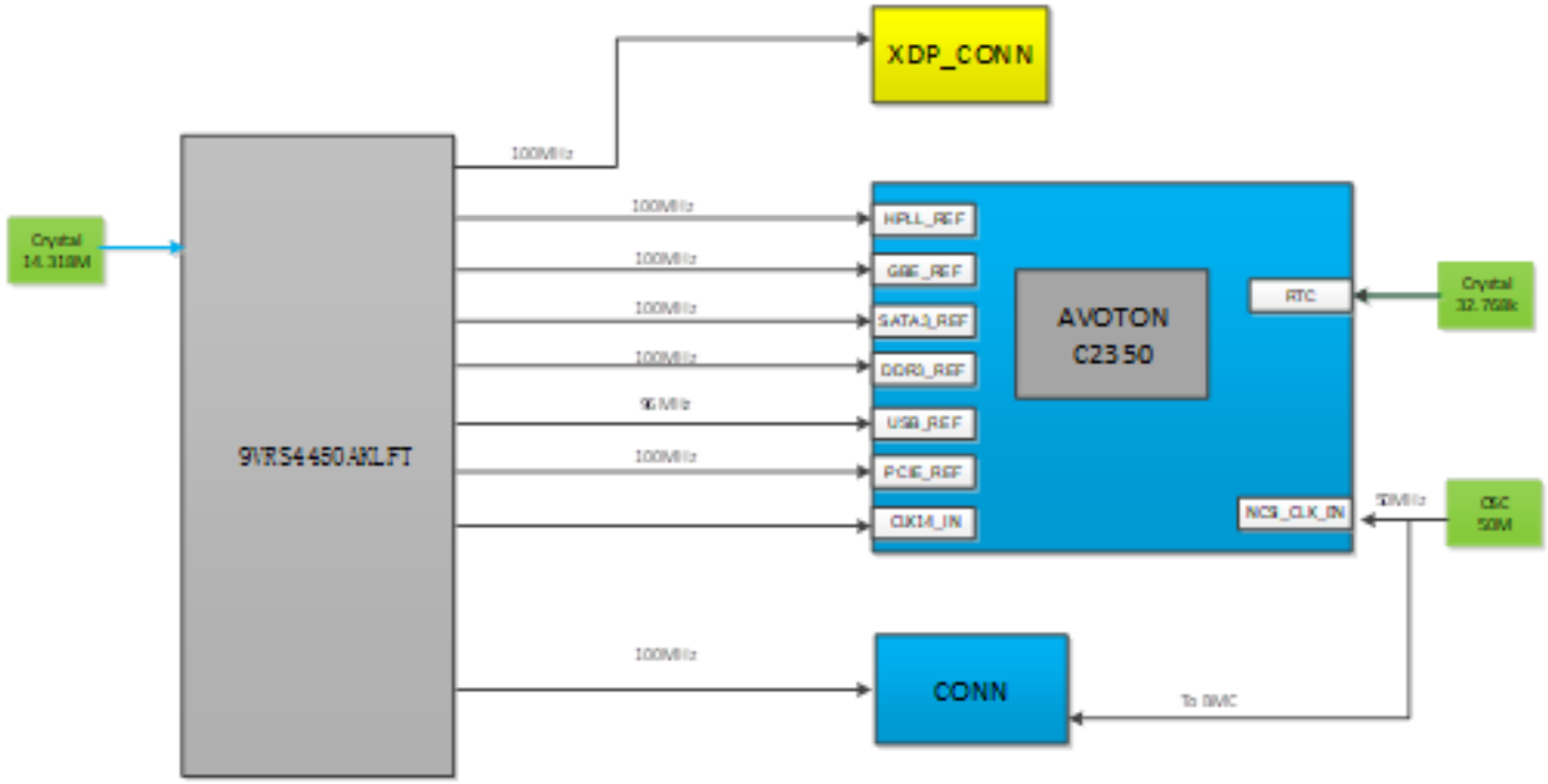
CMC Board Diagram

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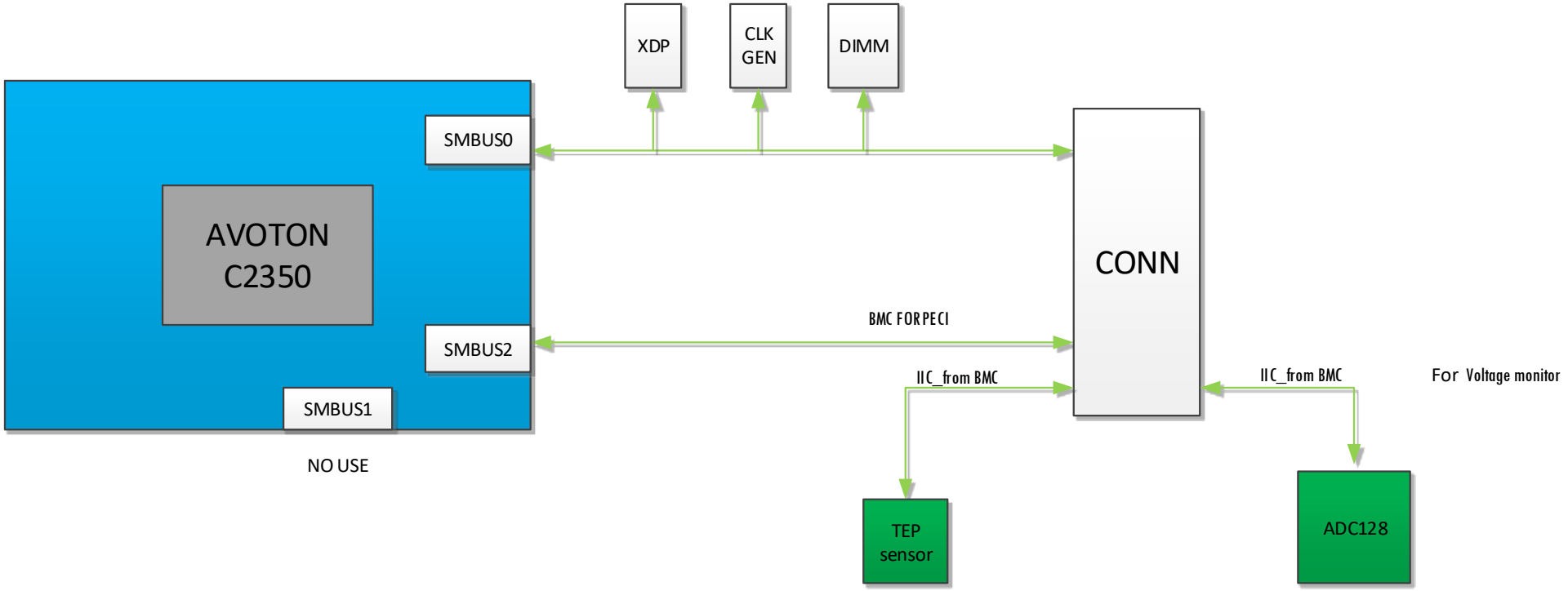
CMC Board Clock Topology

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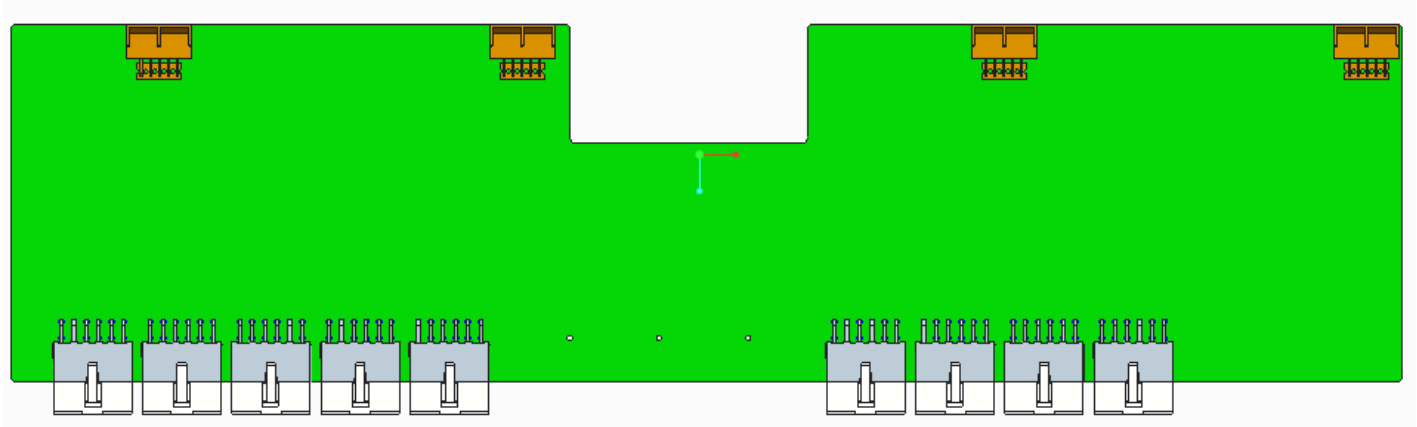
CMC Board I2C Topology

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- Fan control
- Power for GPU





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Thank You