

NVIDIA HGX Contribution

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04/26/22

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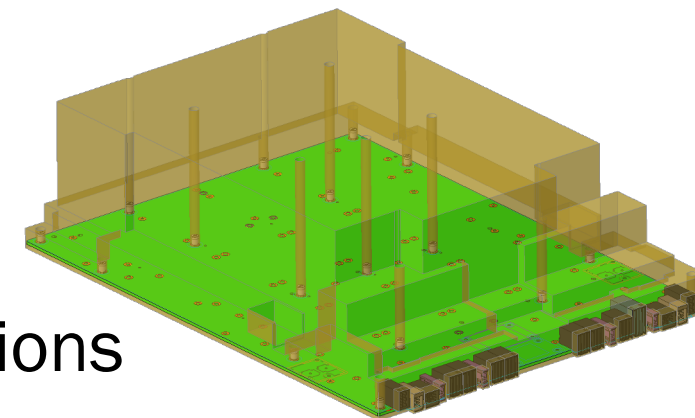
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What is HGX?

- A baseboard designed by Nvidia that hosts 8 of the most recently SXM modules with announced Hopper GPU

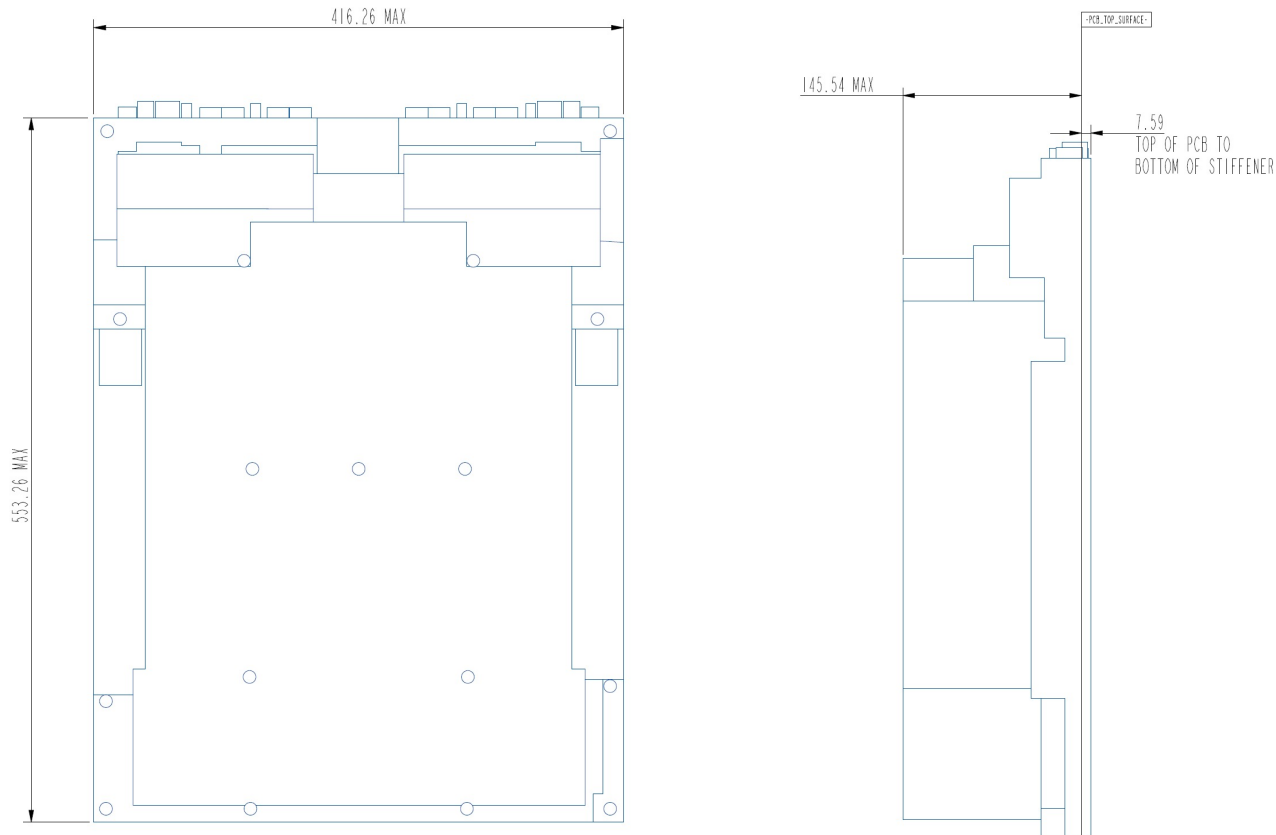
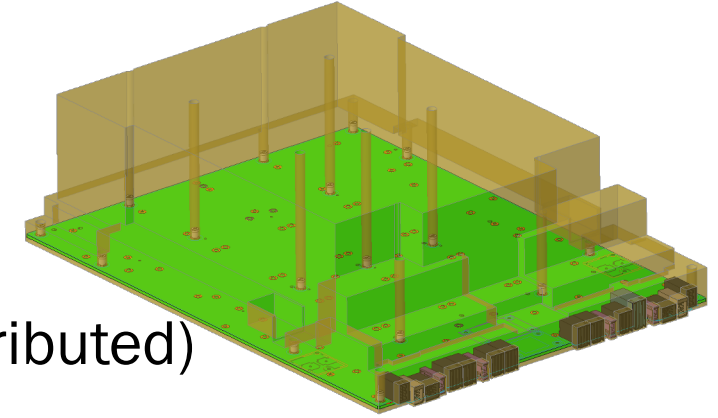
NVIDIA HGX Form Factor Contribution



- Mechanical form factor - Max XYZ dimensions
- Keep in/keep out volume, PCB location, mounting locations
- Connector locations and part numbers
- Connector pinouts, signal names, voltages etc.
- Power connectors, voltages etc.

NVIDIA HGX Form Factor Contribution

- Mechanical form factor (3D CAD will be contributed)

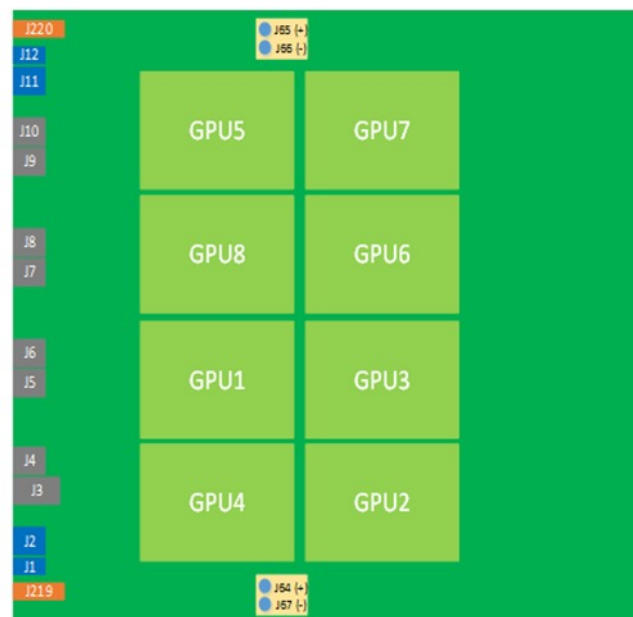


Preliminary/subject to change

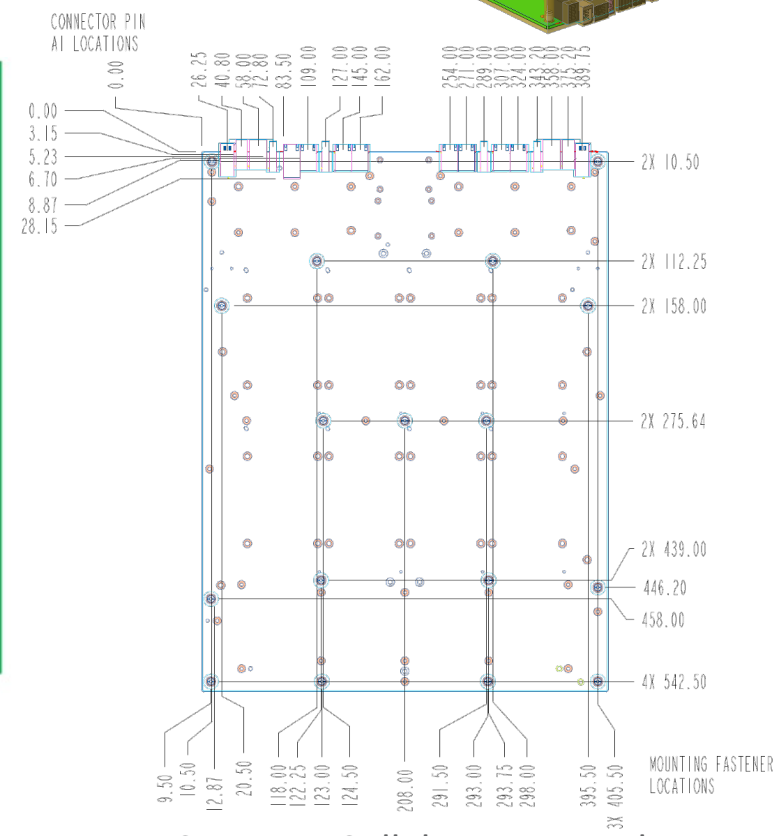
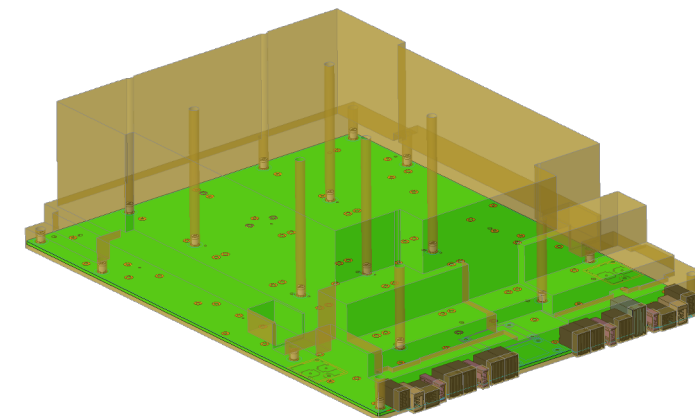
NVIDIA HGX Form Factor Contribution

- Connectors/Pinouts/Locations

Location	Type	Connector
J1	Power	AirMax 2x2
J2	Power	AirMax 2x3
J3	Signal	ExaMax 6x8
J4	Signal	ExaMax 4x8
J5	Signal	ExaMax 4x8
J6	Signal	ExaMax 4x8
J7	Signal	ExaMax 4x8
J8	Signal	ExaMax 4x8
J9	Signal	ExaMax 4x8
J10	Signal	ExaMax 4x8
J11	Power	AirMax 2x3
J12	Power	AirMax 2x2
J64	Power	RadSok (+)
J65	Power	RadSok (+)
J66	Power	RadSok (-)
J67	Power	RadSok (-)
J219	Power	PwrMax 2P
J220	Power	PwrMax 2P

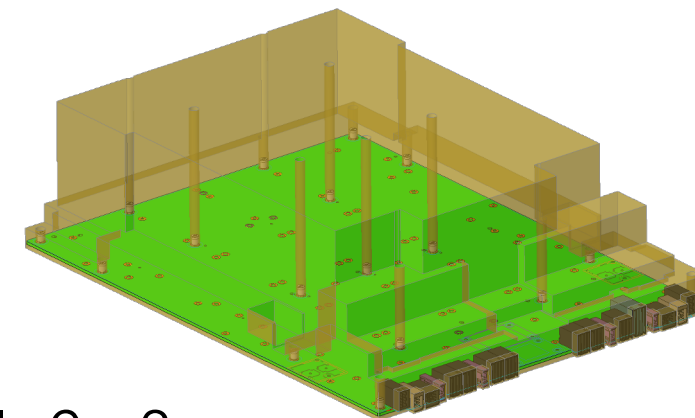


Preliminary/subject to change



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NVIDIA HGX Form Factor Contribution



- Connectivity
 - Examax: 8x16 PCIe Gen5, 1x2 PCIe Gen4 and 1x1 PCIe Gen2
 - System management USB, I2C, and GPIO signals (3.3V tolerant)
 - DC power input
 - AirMax and PwrMax
 - Or Radsok
 - 48-54V nominal
- Schedule
 - Targeting week of 5/9 for complete contribution pending reviews and approvals



Thank you!

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