

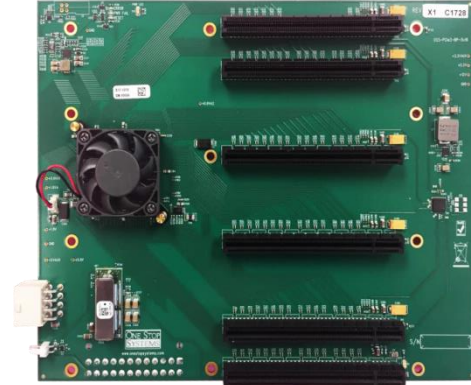
Expansion Backplane, 5 PCIe x16 slots (457)

Requires an OSS target adapter card in the target slot.. Cable and adapter card sold separately.

PN: OSS-BP-457

Features

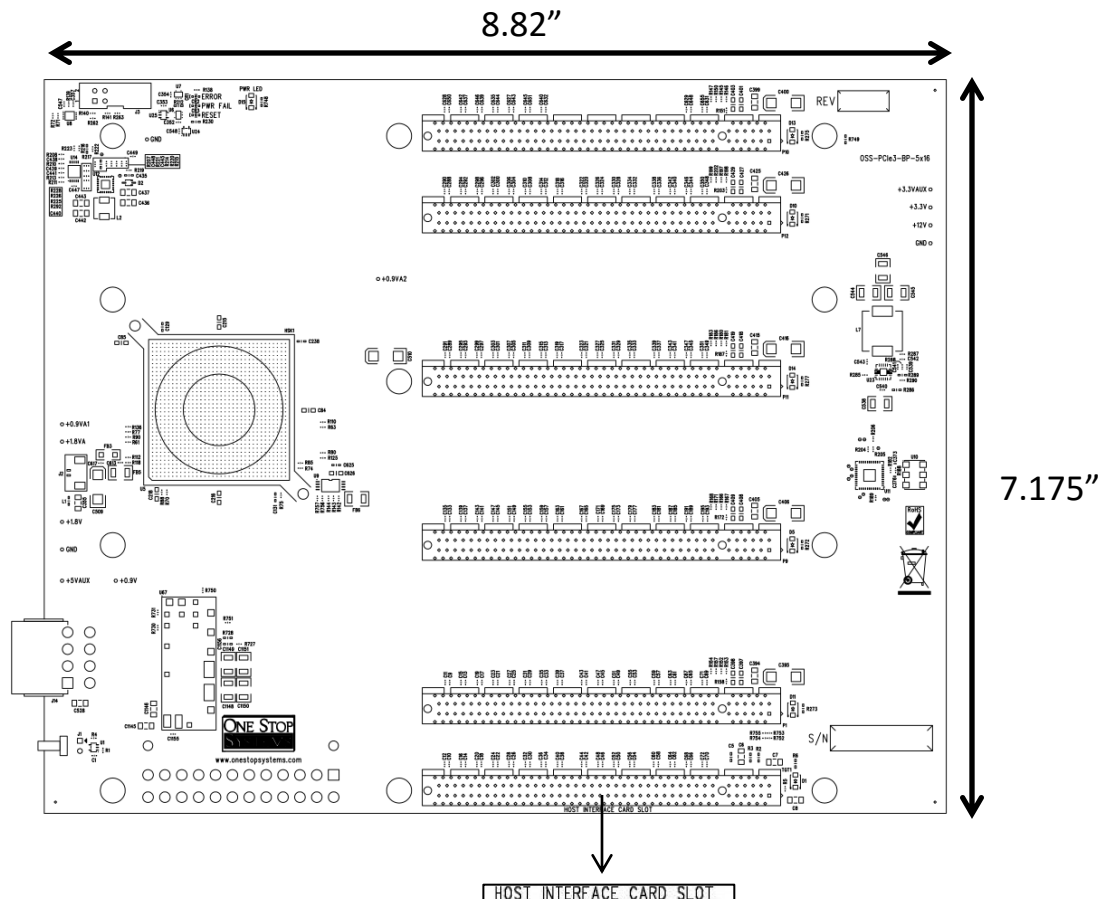
- One OSS PCIe x16 3.0 target slot for OSS target cable adapter
- Five PCIe x16 3.0 expansion slots
- ATX power input
- Thunderbolt power connector
- Fan speed controller



Specifications

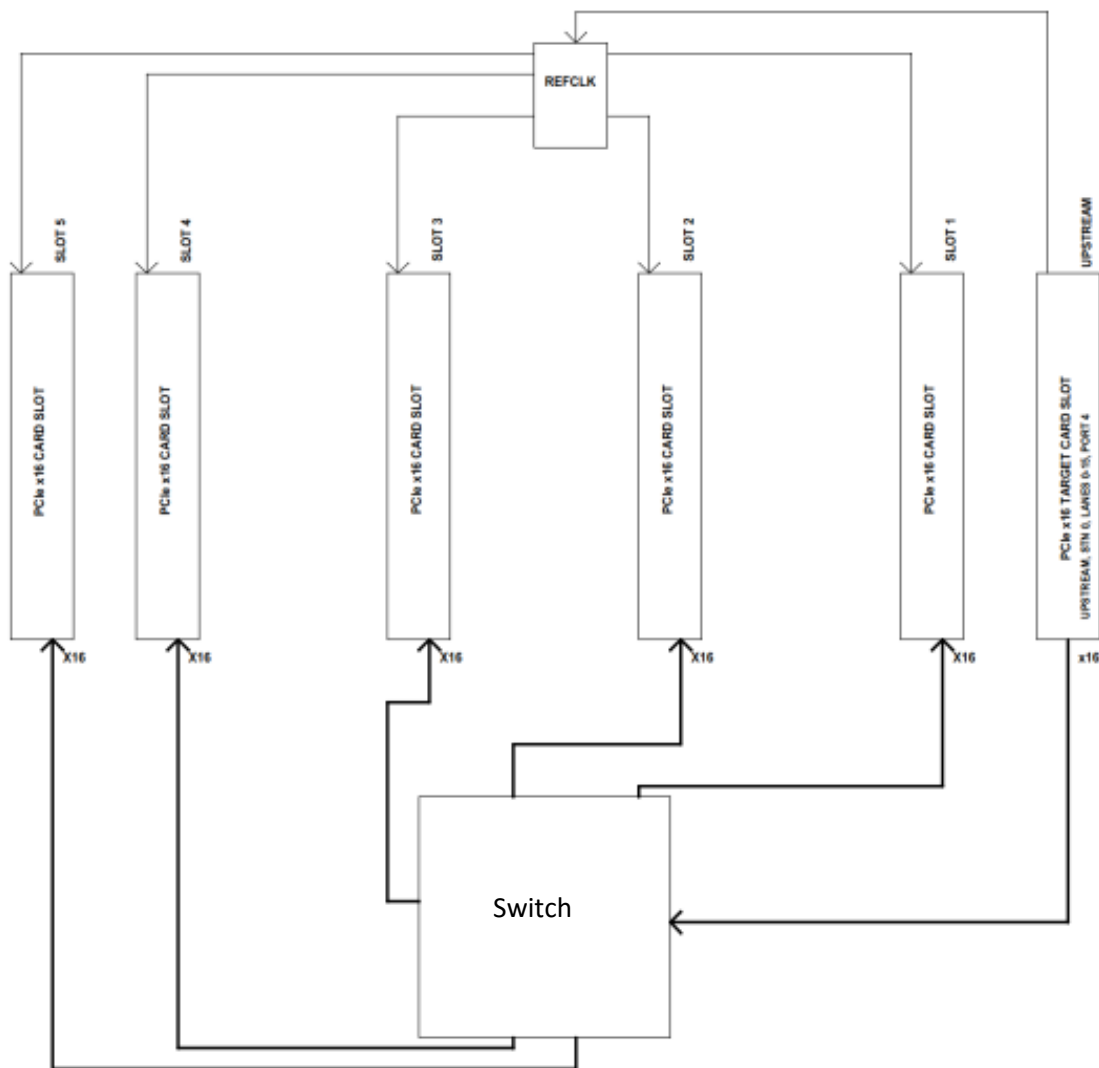
Dimensions (H x L):	7.175" x 8.82"
Power:	ATX 24-pin plus 8-pin EPS12V connectors
Slots:	1 OSS target slot (for OSS target cable adapter only) 5 PCIe x16 3.0 electrical and mechanical

Dimensional Drawing



NOTE: The power ON connector is only used in Thunderbolt cable configurations. Forcing the power ON in PCIe configurations using the header connector on the backplane may cause the expansion backplane to not enumerate properly with the host system.

Block Diagram



Connector Pin-Outs

Connector	Definition
J1	Force Power On
J2	Heatsink Fan Header
J3	I2C Connector
J9	ATX Power Input Connector
J14	EPS12V Input Connector

J1 – Force Power On (Molex P/N: 22-05-3021)

Pin	Definition
1	PS_ON#
2	GND

J2 – Heatsink Fan Header (Molex P/N; 53398-0271)

Pin	Definition
1	FANPWR_PEX
2	GND

J3 –I2C Interface Connector (3M P/N; 929710-10-02-RK)

Pin	Definition	Pin	Definition
1	I2C-SCL0	2	GND
3	I2C-SDA0	4	NC

J9 - Input Power (Molex P/N: 39-30-1240)

Pin	Definition	Pin	Definition
1	+3.3V	13	+3.3V
2	+3.3V	14	-12V
3	GND	15	GND
4	+5V	16	PS_ON#
5	GND	17	GND
6	+5V	18	GND
7	GND	19	GND
8	PWRON	20	NC
9	+5VSB	21	+5V
10	+12V1	22	+5V
11	+12V1	23	+5V
12	+3.3V	24	GND

J14 – Input Power (Molex P/N: 87427-0802)

Pin	Definition	Pin	Definition
1	GND	5	+12V
2	GND	6	+12V
3	GND	7	+12V
4	GND	8	+12V