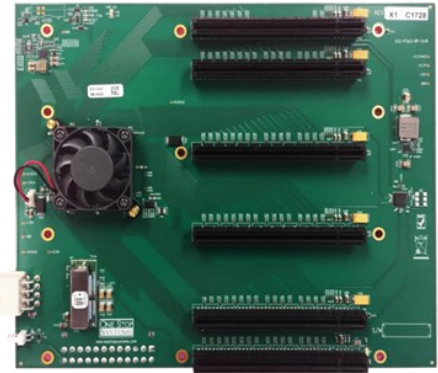


# Expansion Backplane, 5 PCIe x16 slots (457)

Part Number: 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
- Fan speed controller
- Power and cable present LED on front panel

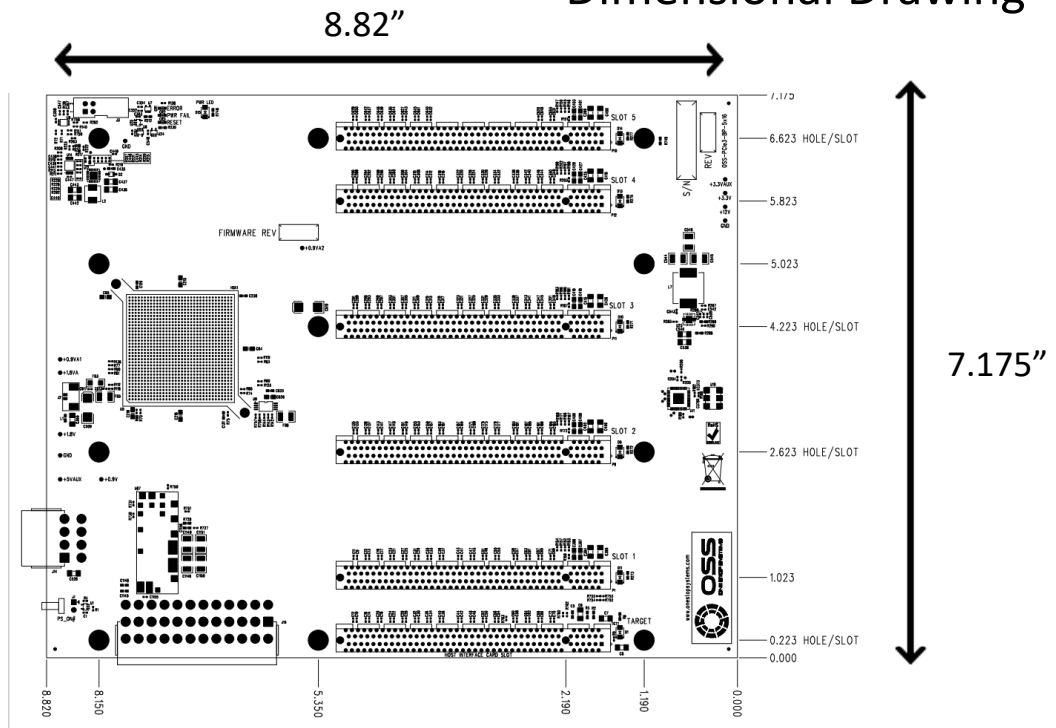


Requires an OSS target adapter card in the target slot. Cable and adapter card sold separately.

## SPECIFICATIONS

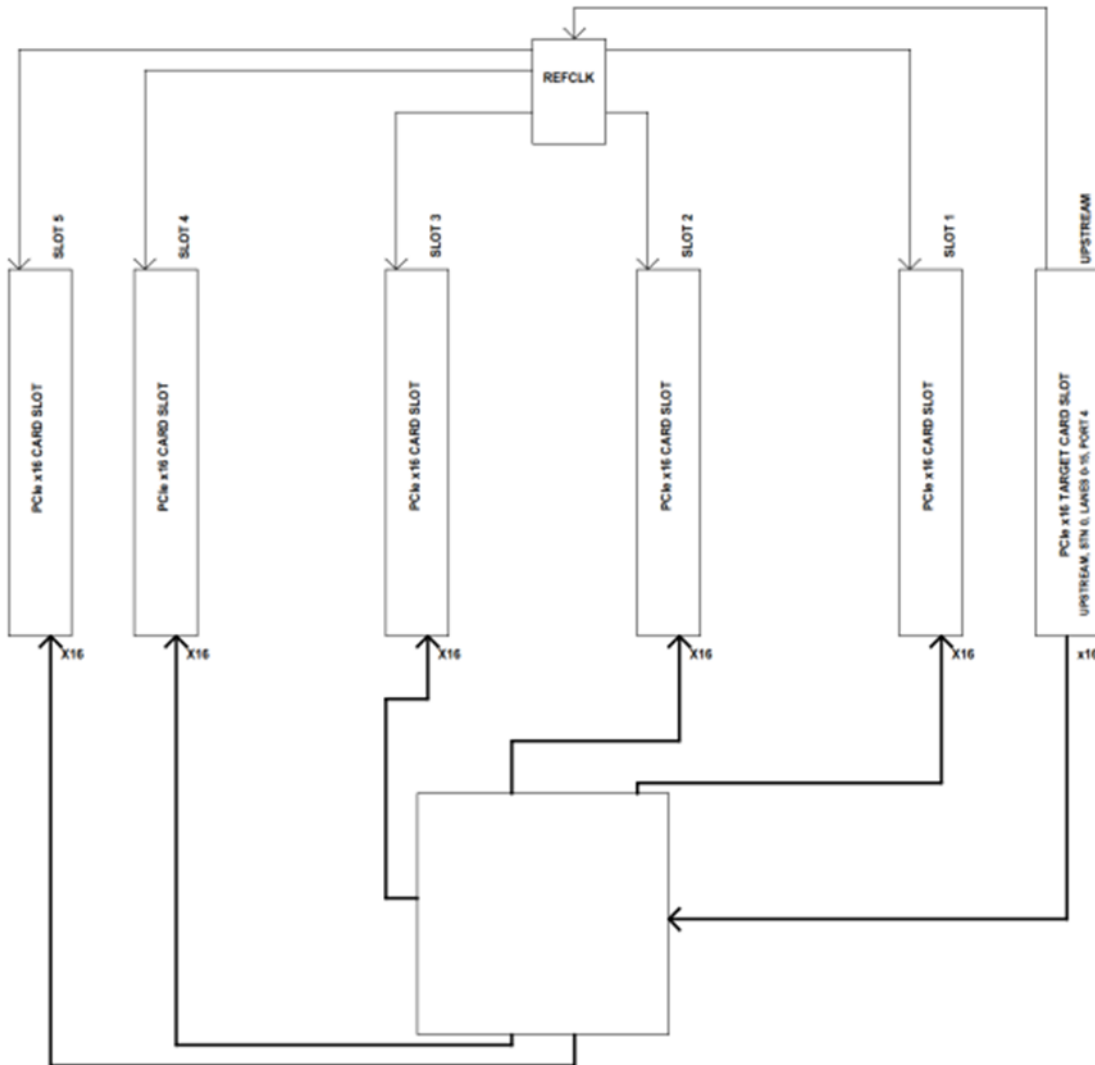
Dimensions (H*L)	7.175" x 8.82"
Power	ATX 24-pin plus 8-pin EPS12V connectors
Slots	1 OSS target slot (for OSS target cable adapter only) 5 PCIe x16 3.0 electrical and mechanical

## 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

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

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

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

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

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

Input Power	ATX 24pin, CPU AUX +12v 8pin
PCIe Generation	Gen 3
Slots	One OSS PCIe x16 3.0 target slot for OSS target cable adapter, Five PCIe x16 3.0 expansion slots
Switch	PLX
Switch Latency	
Size/Form Factor	7.175" x 8.82"
Cooling	Active
Power Consumption	
Operating Temperature	0° C to +50° C environment
Operational Humidity	10 to 90% non-condensing (operating)
Operational Altitude	
Storage Temperature	-40° to 85°C (-40° to 185°F)
Storage Humidity	5 to 95% non-condensing (storage)
Regulatory	FCC Class B, CE, RoHS