PICMG 1.3 Passive Backplane

Selection Guide

`[  ]` PAC series wall-mount Chassis `[  ]` 4U Rack-mount Chassis `[  ]` 2U Rack-mount Chassis

PICMG1.3 (PCIe+PCI)	Model		PE-4S	PE-4S2	PE-4S3	PE-5S	PE-5S2	PE-6S	PE-6S2	PE-6S3	PE-6SD	PE-6SD2
Total Slot			4	4	4	5	5	6	6	6	5	5
Expansion Slots	PCIe SLOTS	x16 *	1	1	1	1	1	1	1	1	1	1
		x4	1			1			1			
		x1			2		3	2		3	3	2
	PCI SLOTS		1	2		2		2	3	1		1
USB Connectors by Pin Header			4	4	4	4	4	4	4	4	4	4
PSU TYPE			24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX
Chassis			PAC-42GF-R20 PACO-504F	PAC-42GF-R20 PACO-504F	PAC-42GF-R20 PACO-504F	RACK-500G-R20	RACK-500G-R20	RACK-305G-R20 RACK-360G-R20 RACK-814G-R20 RACK-3000G-R20 PAC-1700G-R20 PAC-125G-R20	PAC-106G-R20 *1 PAC-107G-R20 *1 PAC-1000G-R20 PACO-506F	PAC-1000G-R20 PACO-506F	RACK-221G RACK-2100G	RACK-221G RACK-2100G
Note											2U Type	2U Type

| PICMG1.3 (PCIe+PCI)	Model		PE-7S	PE-7S2	PE-8S	PE-9S	PE-10S	PE-10S2	PE-13SD	PE-16SD	PXE-13S	PXE-19S
Total Slot			7	7	8	9	10	10	13	16	13	19
Expansion Slots	PCIe SLOTS	x16 *	1	1	1	1	1	1	1/1	1/1/1/1	1	1
		x4							1/0	1/1/1/1		
		x1	2	4	3	4	4	4	0/4	0	3	1
	PCI SLOTS		3	1	3	3	4	4	2/2	1/1/1/1	8	16
USB Connectors by Pin Header			4	4	4	4	4	4	8	4/4/4/4	4	4
PSU TYPE			24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	24+4 PIN ATX	Dual 24+4 PIN ATX	Three 20+4 Pin ATX One 24+4-pin ATX	24+4 PIN ATX	24+4 PIN ATX
Chassis			PAC-1700G-R20	PAC-1700G-R20	PAC-125G-R20	N/A	RACK-305G-R20 RACK-360G-R20 RACK-814G-R20 RACK-3000G-R20	RACK-3000G-R20 RACK-305G -R20 RACK-360G-R20 RACK-814G-R20	RACK-3000G-R20 RACK-305G-R20 RACK-814G-R20	RACK-4000-R20	RACK-3000G-R20 RACK-305G-R20 RACK-360G-R20 RACK-814G-R20	RACK-3200G-R20 RACK-3035G-R20
Note									Dual System Backplane	Quad System Backplane	PCIe to PCI Bridge backplane	

*1: when using a PCIe x16 add-on card, the length of the card must not exceed 167mm or 6.57inches.

IEI Graphic Grade Backplane Solution

Graphic centric backplane targets at applications which concerning system speed and performance. It has higher performance over cost ratio than previous PICMG1.0 solution.
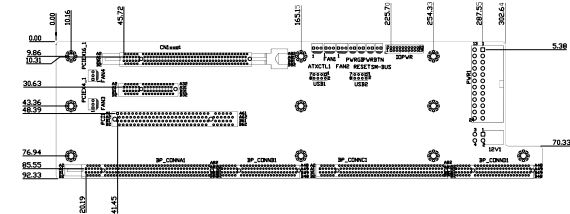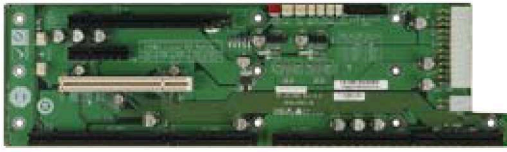

PE-4S **PE-5S** **PE-6S2** **PE-7S2** **PE-9S** **PE-10S** **PE-10S2**
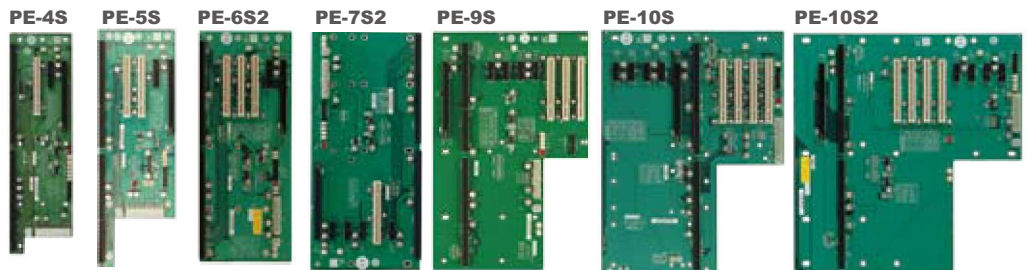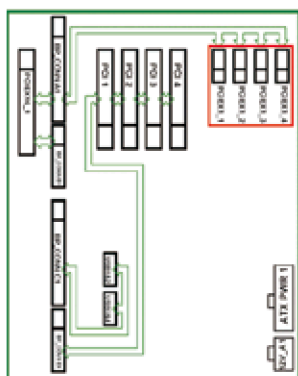
• 20 PCIe Lanes Total
• One PCIe x16 Slot
• Up to four PCIe x1 or One PCIe x4 Slot
• Up to four Local PCI Slots (w/o Bridge)

PXE-13S **PXE-19S**
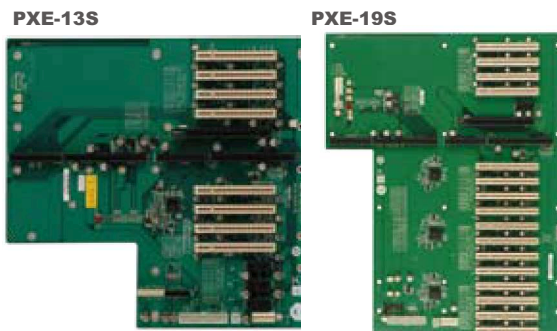
• 20 PCIe Lanes Total
• One PCIe x16 Slot
• Up to Four PCIe x1 Slots
• Up to 4 Local PCI Slots
• PCI Slots Expandable via PCIe to PCI Bridge

1 Application Server Platform

2 Single Board Computer

3 IBX Series POS PC

4 AFOLUX POS Panel PC

5 Video Capture Card

6 KAMIO RISC

7 IOVU Open HMI

8 VITO Universal Controller

9 DINO BLADE

10 LCD Product Series

11 Embedded System

12 Industrial Computer Chassis

13 Power Supply

14 Peripherals

PE–4S–R40
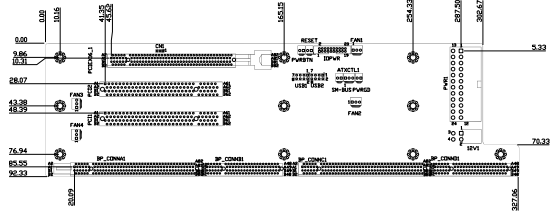**Mounting holes compatible with PCI-4S**

Ordering Information

PE-4S-R40	4-slot backplane with 1 PCIe x16 slot, 1 PCIe x4 slot and 1 PCI slot
PAC-42GF-R20	4-slot full-size industrial chassis
PACO-504F	4-slot full-size industrial chassis

PE–4S2–R40
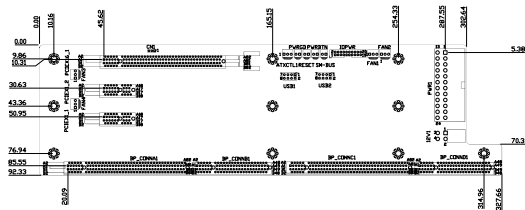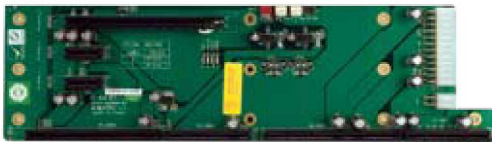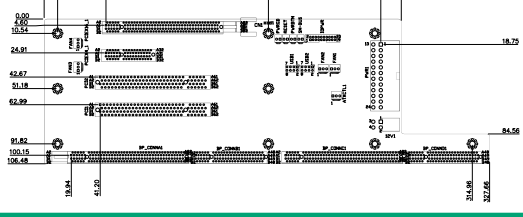**Mounting holes compatible with PCI-4S**

Ordering Information

PE-4S2-R40	4-slot backplane with 1 PCIe x16 slot and 2 PCI slots
PAC-42GF-R20	4-slot full-size industrial chassis
PACO-504F	4-slot full-size industrial chassis

PE–4S3–R40
Mounting holes compatible with PCI-4S

Ordering Information

PE-4S3-R40	4-slot backplane with 1 PCIe x16 slot and 2 PCIe x1 slots.
PAC-42GF-R20	4-slot full-size industrial chassis
PACO-504F	4-slot full-size industrial chassis

PE–5S–R40
Mounting holes compatible with PCI-5S

Ordering Information

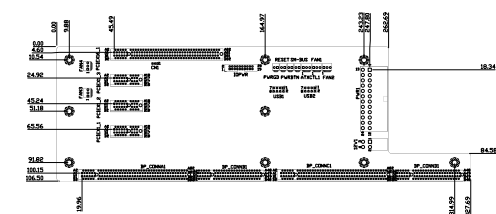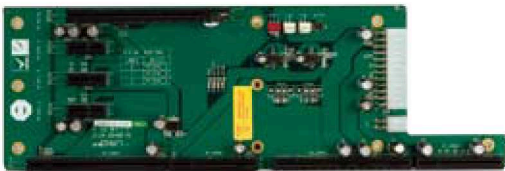|	
PE-5S-R40	5-slot backplane with 1 PCIe x16 slot, 1 PCIe x4 slot and 2 PCI slots
RACK-500G-R20	5-slot full-size industrial chassis

PE–5S2–R40
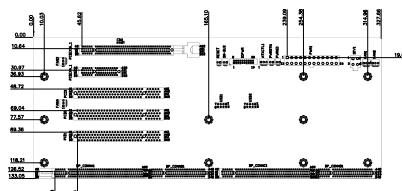**Mounting holes compatible with PCI-5S**

Ordering Information

PE-5S2-R40	5-slot backplane with 1 PCIe x16 slot and 3 PCIe x1 slots
RACK-500G-R20	5-slot full-size industrial chassis

PE–6S2–R40
Mounting holes compatible with PCI-6S

Ordering Information

PE-6S2-R40	6-slot backplane with 1 PCIe x16 slot, 1 PCIe x4 slot and 3 PCI slots
PAC-106G-R20 [*1]	6-slot full-size industrial chassis
PAC-107G-R20 [*1]	6-slot full-size industrial chassis
PAC-1000G-R20	6-slot full-size industrial chassis
PACO-506F	6-slot full-size industrial chassis

[*1]: when using a PCIe x16 add-on card, the length of the card must not exceed 167mm or 6.57inches.

1 Application Server Platform

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10 LCD Product Series

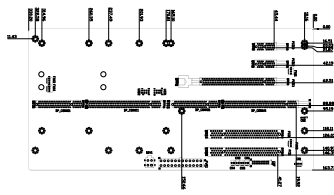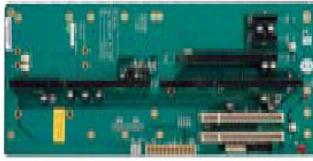11 Embedded System

12 Industrial Computer Chassis

13 Power Supply

14 Peripherals

PE–6S–R40
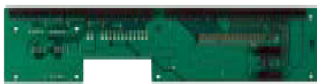
Mounting holes compatible with PCI-7S

Ordering Information

PE-6S-R40	6-slot backplane with 1 PCIe x16 slot, 2 PCIe x1 slots and 2 PCI slots
RACK-305G-R20	4U rack-mount industrial chassis
RACK-360G-R20	4U rack-mount industrial chassis
RACK-814G-R20	4U rack-mount industrial chassis
RACK-3000G-R20	4U rack-mount industrial chassis
PAC-1700G-R20	7-slot full-size industrial chassis
PAC-125G-R20	10-slot full-size industrial chassis

PE–6SD–R40

Mounting holes compatible with PCI-6SD

2U Type

Right side

Left side

Ordering Information

PE-6SD-R40	5-slot backplane with 1 PCIe x16 slot and 3 PCIe x1 slots
RACK-221G	6-slot full-size industrial chassis
RACK-2100G	6-slot full-size industrial chassis

PE–6SD2–R40

Mounting holes compatible with PCI-6SD

2U Type
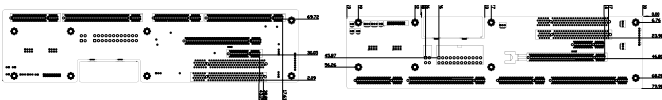

Right side

Left side
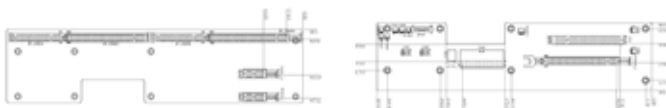
Ordering Information

PE-6SD2-R40	5-slot backplane with 1 PCIe x16 slot, 2 PCIe x1 slots and 1 PCI slot
RACK-221G	6-slot full-size industrial chassis
RACK-2100G	6-slot full-size industrial chassis

PE–6SD3–R40

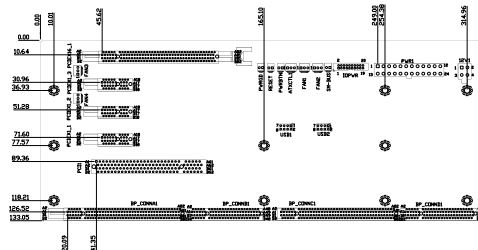**Mounting holes compatible with PCI-6SD**

Ordering Information

PE-6SD3-R40	5-slot backplane with 1 PCIe x16 slot, 1 PCIe x4 slots and 2 PCI slots
RACK-221G	6-slot full-size industrial chassis
RACK-2100G	6-slot full-size industrial chassis

PE–6S3–R40

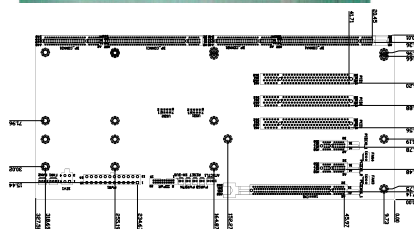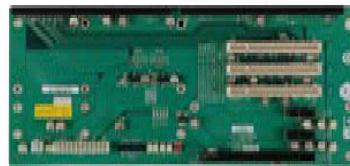**Mounting holes compatible with PCI-6S**

Ordering Information

PE-6S3-R40	6-slot backplane with 1 PCIe x16 slot, 3 PCIe x1 slots and 1 PCI slot
PAC-106G-R20 [*1]	6-slot full-size industrial chassis
PAC-107G-R20 [*1]	6-slot full-size industrial chassis
PAC-1000G	6-slot full-size industrial chassis
PACO-506F	6-slot full-size industrial chassis

[*1]: when using a PCIe x16 add-on card, the length of the card must not exceed 167mm or 6.57inches.
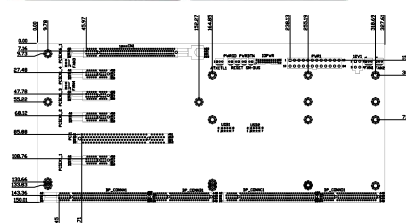
PE–7S–R40

Mounting holes compatible with PCI-7S

Ordering Information

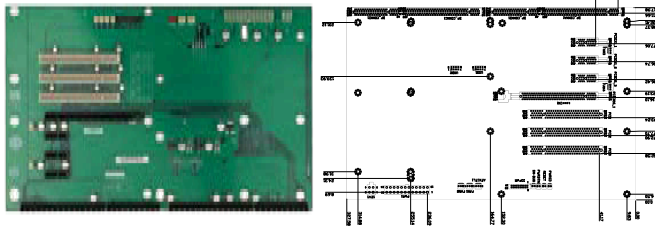|	
PE-7S-R40	7-slot backplane with 1 PCIe x16 slot, 2 PCIe x1 slots and 3 PCI slots PCI slot.
PAC-1700G-R20	7-slot full-size industrial chassis

PE–7S2–R40

Mounting holes compatible with PCI-7S

Ordering Information

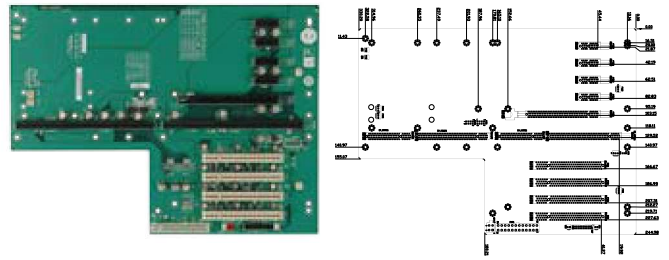|	
PE-7S2-R40	5-slot backplane with 1 PCIe x16 slot and 4 PCIe x1 slots and 1 PCI slot
PAC-1700G-R20	7-slot full-size industrial chassis

PE–8S–R40

PE–10S–R40

**Mounting holes
compatible with PCI-14S**

Ordering Information

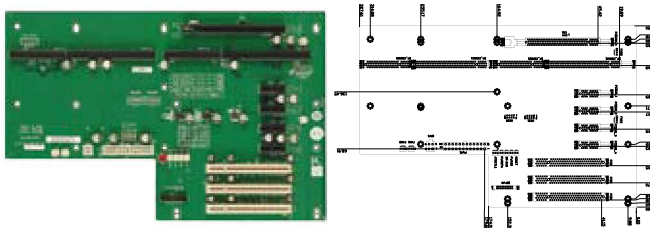|	
PE-8S-R40	8-slot backplane with 1 PCIe x16 slots, 3 PCI x1 slots and 3 PCI slots
PAC-125G-R20	10-slot full-size industrial chassis

Ordering Information

PE-10S-R40	13-slot backplane with 2 PCIe x16 slots, 1 PCIe x4 slot, 4 PCI x1 slots and 4 PCI slots
RACK-305G-R20	4U rack-mount industrial chassis
RACK-360G-R20	4U rack-mount industrial chassis
RACK-814G -R20	4U rack-mount industrial chassis
RACK-3000G-R20	4U rack-mount industrial chassis

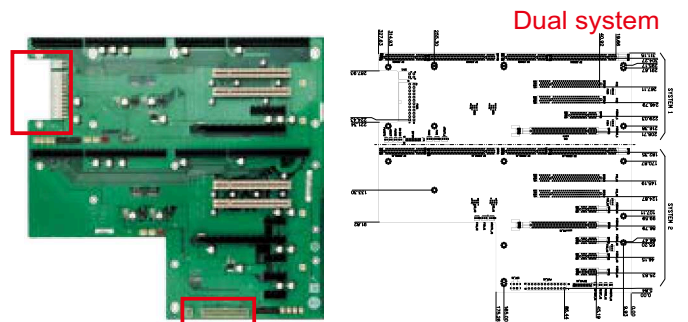# PE–9S–R40

**Mounting holes
compatible with PCI-10S2**

PE–13SD–R40

**Mounting holes
compatible with PCI-14S**

Dual system

2 independent power resources

Ordering Information

PE-9S-R40	9-slot backplane with 1 PCIe x16 slot, 4 PCIe x1 slots and 3 PCI slots

Ordering Information

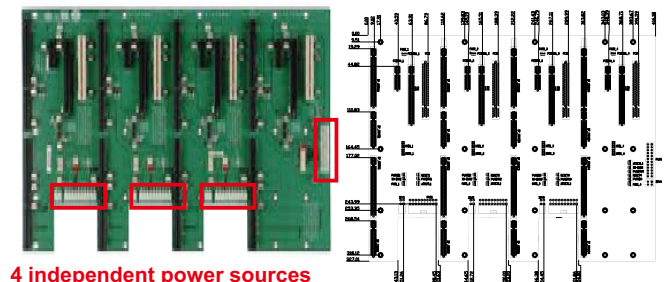|	
PE-13SD-R40	13 Slots Backplane with 2 PCIe x 16 and 1 PCIe x 4 and 4 PCIe x 1 and 4 PCI slot.
RACK-3000G-R20	14-slot full-size industrial chassis
RACK-305G-R20	14-slot full-size industrial chassis
RACK-360G-R20	14-slot full-size industrial chassis
RACK-814G-R20	14-slot full-size industrial chassis

PE–10S2–R40

**Mounting holes
compatible with PCI-14S**

PE–16SQ–R10

**Mounting holes
compatible with PCI-18QS**

Quad system

4 independent power sources

Ordering Information

PE-10S R40	10-slot backplane with 1 PCIe x16 slot, 1 PCIe x1 slot and 4 PCI slots
RACK-3000G-R20	14-slot full-size industrial chassis
RACK-305G-R20	14-slot full-size industrial chassis
RACK-360G-R20	14-slot full-size industrial chassis
RACK-814G-R20	14-slot full-size industrial chassis

Ordering Information

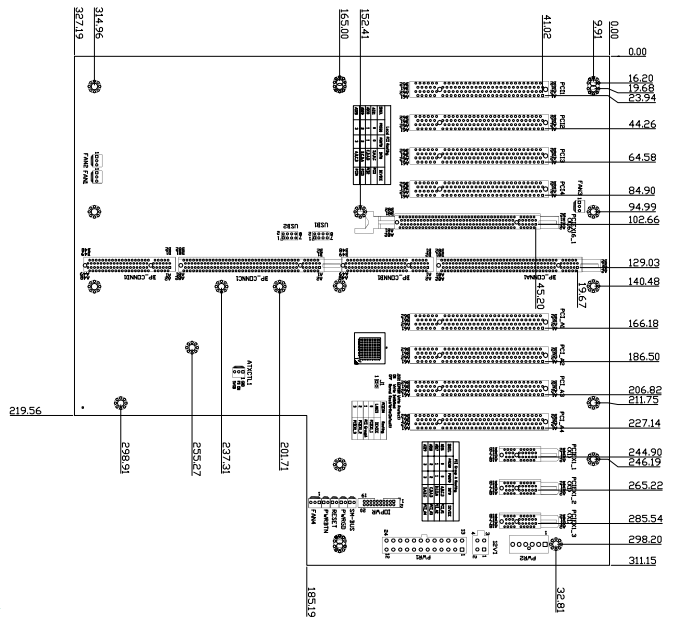|	
PE-16SQ-R10	4-system backplane with each system having 1 PCIe x1 slot, PCIe x4 slot and 1 PCI slot
RACK-4000-R20	4U 20-slot full-size industrial chassis

PXE–13S–R40

Mounting holes compatible with PCI-14S

(PCIe to PCI Bridge)
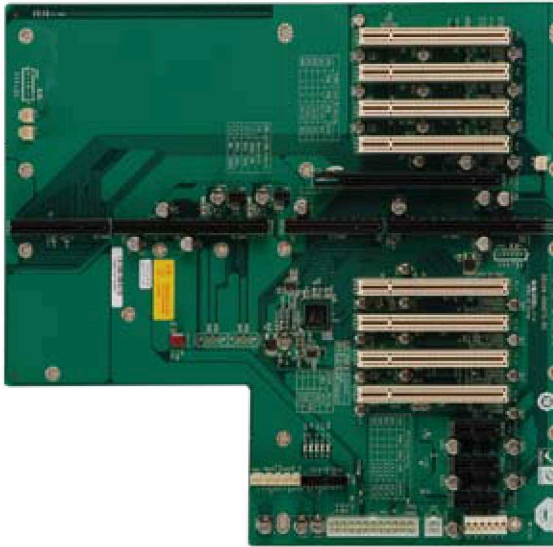
Ordering Information

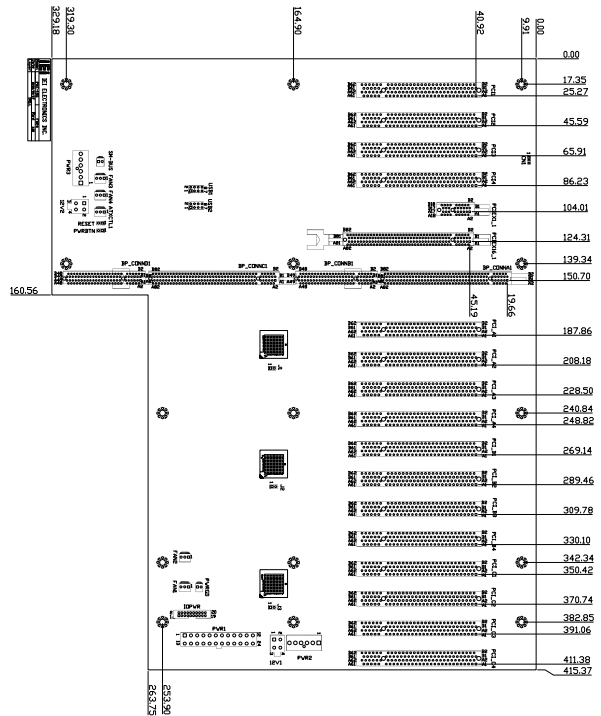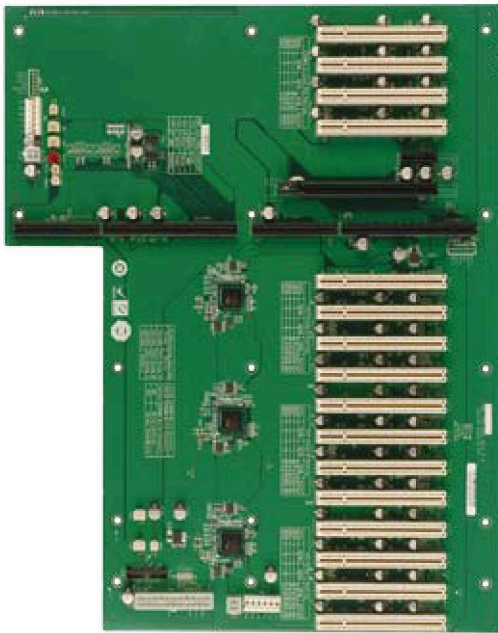|	
PXE-13S-R40	13-slot backplane with 1 PCIe x16 slot, 3 PCIe x1 slots and 8 PCI slots
RACK-3000G-R20	14-slot full-size industrial chassis
RACK-305G-R20	14-slot full-size industrial chassis
RACK-360G-R20	14-slot full-size industrial chassis
RACK-814G-R20	14-slot full-size industrial chassis

PXE–19S–R40

Mounting holes compatible with PCI-19S

Ordering Information

PXE-19S-R40	19-slot backplane with 1 PCIe x16 slot, 1 PCIe x1 slot and 16 PCI slots
RACK-3200G-R20	4U 20-slot full-size industrial chassis
RACK-3035G-R20	7U 20-slot full-size industrial chassis