PICMG 1.3 Passive Backplane

Selection Guide

☐ PAC series wall-mount chassis ☐ 4U/5U rack-mount chassis ☐ 1U/2U rack-mount chassis

PICMG 1.3 (PCIe+PCI)	Model		PE-2SD1	PE-2SD2	PE-4S	PE-4S2	PE-4S3	PE-5S	PE-5S2	PE-6S	PE-6S2	PE-6SD	PE-6SD2	PE-6SD3
Total Slot			2	2	4	4	4	5	5	6	6	5	5	5
Expansion Slots	PCIe Slots	x16 *	1		1	1	1	1	1	1	1	1	1	1
		x4			1			1			1			1
		x1					2		3	2		3	2	
	PCI-X Slots													
	PCI Slots			1	1	2		2		2	3		1	2
USB Connectors by Pin Header			4	4	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	24+4-pin ATX	24+4-pin ATX
Chassis			RACK-1150-PE RACP-1151-PE	RACK-1150-PE RACP-1151-PE	N/A	N/A	N/A	RACK-500G	RACK-500G	RACK-305G RACK-360G RACK-3000G PAC-1700G PAC-125	PAC-106G x 1 PAC-107G x 1 PAC-1000G	N/A	N/A	N/A
Note			1U Type	1U Type								2U Type	2U Type	2U Type

| PICMG 1.3 (PCIe+PCI)	Model		PE-7S	PE-7S2	PE-8S	PE-9S	PE-10S	PE-10S2	PE-13SD	PXE-9S2	PXE-12S	PXE-13S	PXE-19S	PXE-19S2
Total Slot			7	7	8	9	10	10	13	9	12	13	19	19
Expansion Slots	PCIe Slots	x16 *	1	1	1	1	1	1	1/1	1	1	1	1	1
		x4							1/0	3				
		x1	2	4	3	4	4	4	0/4	0		3	1	1
	PCI-X Slots									0	6			
	PCI Slots		3	1	3	3	4	4	2/2	4	4	8	16	16
USB Connectors by Pin Header			4	4	4	4	4	4	8	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	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX
Chassis			PAC-1700G	PAC-1700G	PAC-125G	N/A	RACK-305G RACK-360G RACK-3000G	RACK-3000G RACK-305G RACK-360G	RACK-3000G RACK-305G RACK-360G	RACK-3000G RACK-305G RACK-360G	RACK-3000G RACK-305G RACK-360G	RACK-3000G RACK-305G RACK-360G	N/A	N/A
Note									Dual System Backplane	PCIe to PCIe switch Backplane	PCIe to PCI-X Bridge Backplane	PCIe to PCI Bridge Backplane		

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

IEI Graphics Grade Backplane Solution

The graphics grade backplane solution targets the applications which concern system speed and performance. It has higher performance over cost ratio than the previous PICMG 1.0 solution.

PE-4S PE-5S PE-6S2 PE-7S2 PE-9S PE-10S PE-10S2
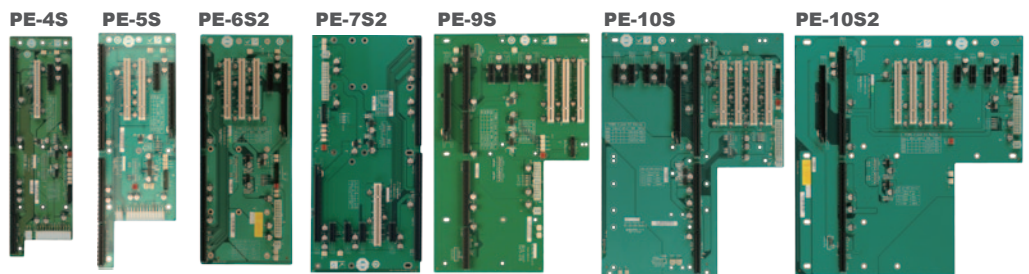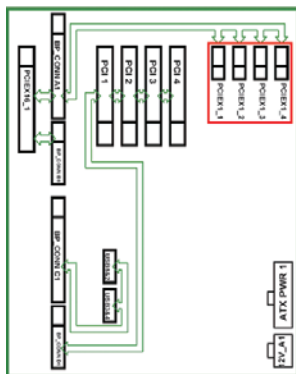
- Twenty PCIe lanes total
- One PCIe x16 slot
- Up to four PCIe x1 or one PCIe x4 slot
- Up to four local PCI slots (w/o bridge)

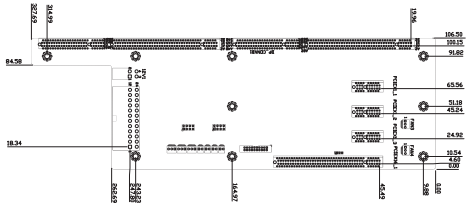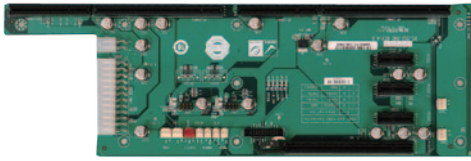PXE-13S PXE-19S
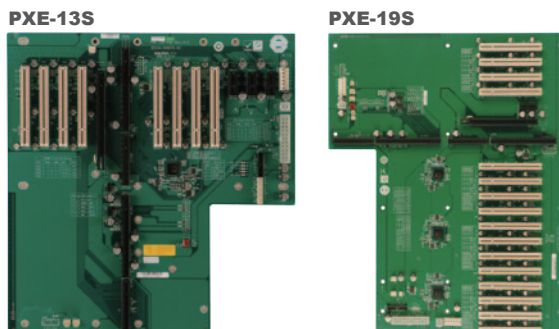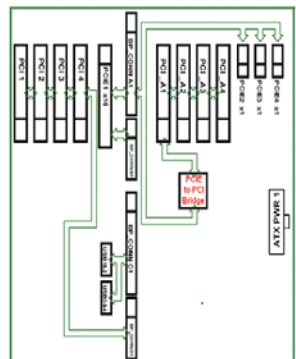
- Twenty PCIe lanes total
- One PCIe x16 slot
- Up to four PCIe x1 slots
- PCI slots expandable via PCIe to PCI bridge

PE-2SD1-R10

For 1U system!

Ordering Information

PE-2SD1-R10	2-slot backplane with one PCIe slot
RACK-1150G-PE	1U full-size rack-mount chassis

PE-2SD2-R10

For 1U system!

Ordering Information

PE-2SD2-R10	2-slot backplane with one PCI slot
RACK-1150G-PE	1U full-size rack-mount chassis

PE-4S-R40

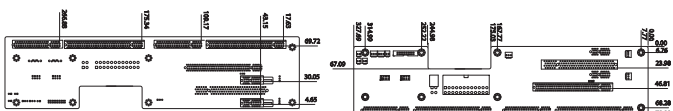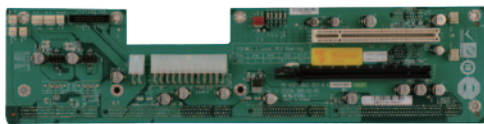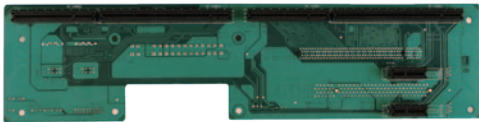**Mounting holes compatible with PCI-4S**

Ordering Information

PE-4S-R40	4-slot backplane with one PCIe x16 slot, one PCIe x4 slot and one PCI slot

PE-4S2-R40

Mounting holes compatible with PCI-4S

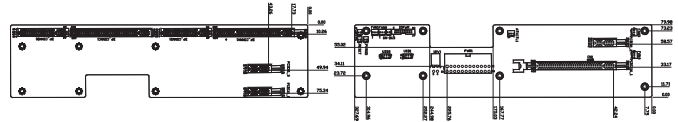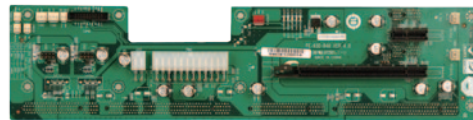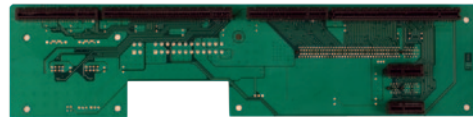### Ordering Information

PE-4S2-R40	4-slot backplane with one PCIe x16 slot and two PCI slots

PE-4S3-R40

Mounting holes compatible with PCI-4S

Ordering Information

PE-4S3-R40	4-slot backplane with one PCIe x16 slot and two PCIe x1 slots

PE-5S-R40

Mounting holes compatible with PCI-5S

Ordering Information

PE-5S-R40	5-slot backplane with one PCIe x16 slot, one PCIe x4 slot and two PCI slots
RACK-500G	5U 5-slot full-size rack-mount chassis

PE–5S2–R40

Mounting holes compatible with PCI-5S

Ordering Information

PE-5S2-R40	5-slot backplane with one PCIe x16 slot and three PCIe x1 slots
RACK-500G	5U 5-slot full-size rack-mount chassis

PE–6S2–R40

Mounting holes compatible with PCI-6S
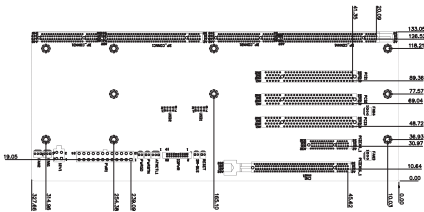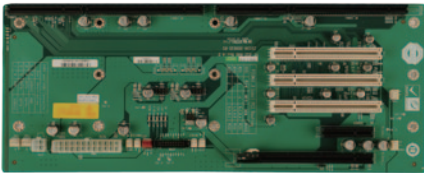
Ordering Information

PE-6S2-R40	6-slot backplane with one PCIe x16 slot, one PCIe x4 slot and three PCI slots
PAC-106G *	6-slot full-size compact chassis
PAC-107G *	6-slot full-size compact chassis
PAC-1000G	6-slot full-size compact chassis

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

PE–6S–R41

Mounting holes compatible with PCI-7S
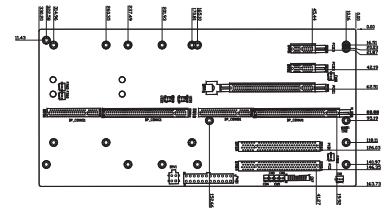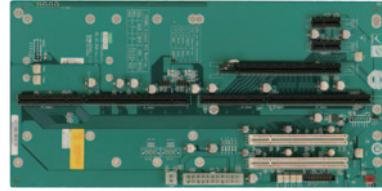
Ordering Information

PE-6S-R41	6-slot backplane with one PCIe x16 slot, two PCIe x1 slots and two PCI slots
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis
RACK-3000G	4U 14-slot full-size rack-mount chassis
PAC-1700G	7-slot full-size compact chassis
PAC-125G	10-slot full-size compact chassis

PE–6SD–R40
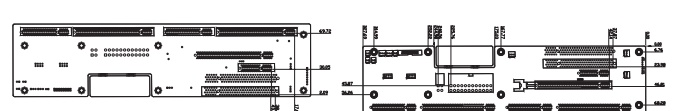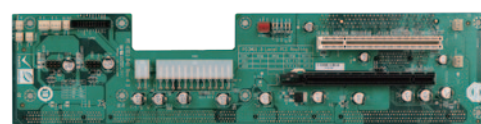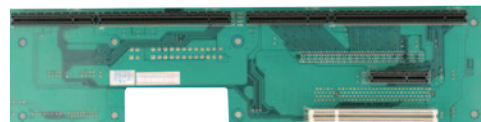
Mounting holes compatible with PCI-6SD

2U Type

Ordering Information

PE-6SD-R40	5-slot backplane with one PCIe x16 slot and three PCIe x1 slots

PE–6SD2–R40
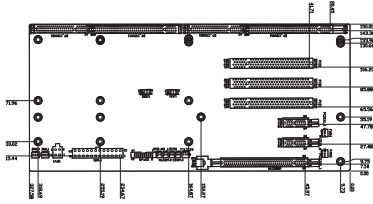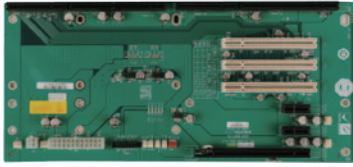
Mounting holes compatible with PCI-6SD

2U Type

Ordering Information

PE-6SD2-R40	5-slot backplane with one PCIe x16 slot, two PCIe x1 slots and one PCI slot

PE–6SD3–R40

Mounting holes compatible with PCI-6SD

2U Type

Ordering Information

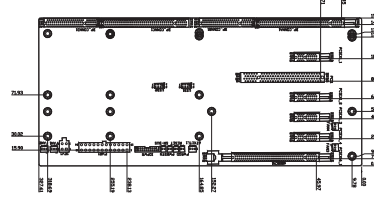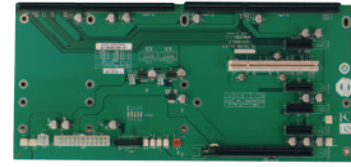|	
PE-6SD3-R40	5-slot backplane with one PCIe x16 slot, one PCIe x4 slot and two PCI slots

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

Ordering Information
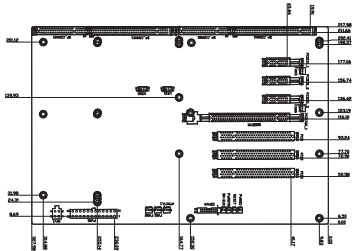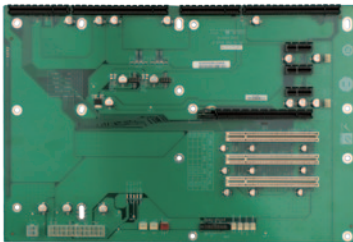|	
PE-7S-R40	7-slot backplane with one PCIe x16 slot, two PCIe x1 slots and three PCI slots
PAC-1700G	7-slot full-size compact chassis

PE–7S2–R40
Mounting holes compatible with PCI-7S

Ordering Information
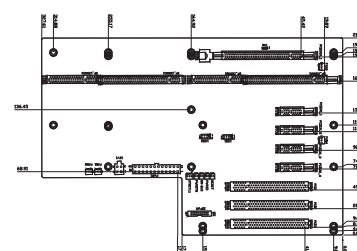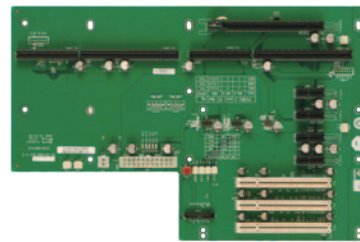|	
PE-7S2-R40	7-slot backplane with one PCIe x16 slot, four PCIe x1 slots and one PCI slot
PAC-1700G	7-slot full-size compact chassis

PE–8S–R40

Ordering Information
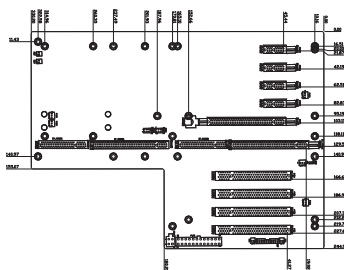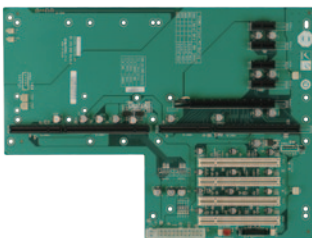|	
PE-8S-R40	8-slot backplane with one PCIe x16 slots, three PCIe x1 slots and three PCI slots
PAC-125G	10-slot full-size compact chassis

PE–9S–R40
Mounting holes compatible with PCI-10S2

Ordering Information
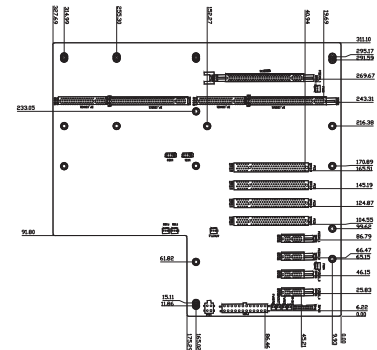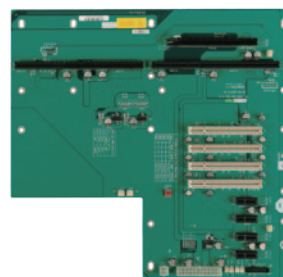|	
PE-9S-R40	9-slot backplane with one PCIe x16 slot, four PCIe x1 slots and three PCI slots

PE–10S–R40
Mounting holes compatible with PCI-14S

Ordering Information
PE-10S-R40	10-slot backplane with one PCIe x16 slot, four PCIe x1 slots and four PCI slots
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis
RACK-3000G	4U 14-slot full-size rack-mount chassis

PE–10S2–R40
Mounting holes compatible with PCI-14S

Ordering Information
PE-10S2-R40	10-slot backplane with one PCIe x16 slot, four PCIe x1 slots and four PCI slots
RACK-3000G	4U 14-slot full-size rack-mount chassis
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis

PE–13SD–R40
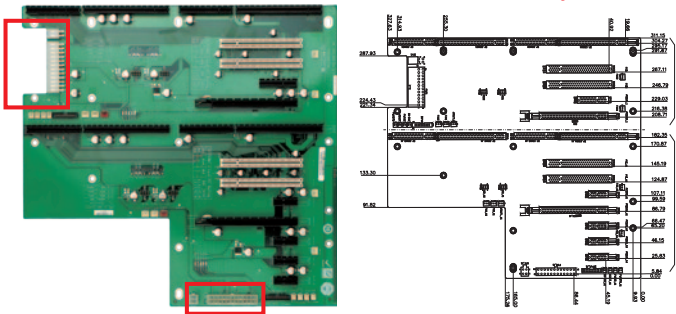
Mounting holes compatible with PCI-14S

Dual system

2 independent power resources

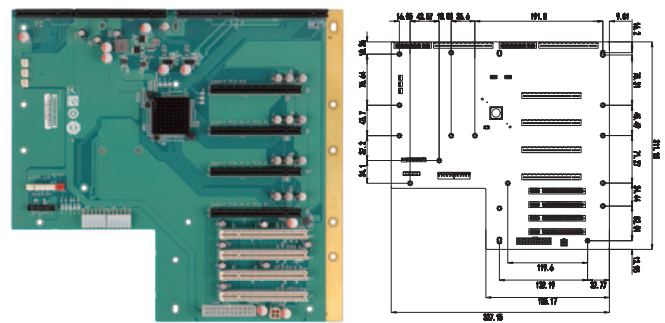| Ordering Information	
PE-13SD-R40	13-slot backplane with two PCIe x16 and one PCIe x4 and four PCIe x1 and four PCI slot
RACK-3000G	4U 14-slot full-size rack-mount chassis
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis

PXE–9S2–R10

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

Ordering Information	
PXE-9S2-R10	9-slot PICMG 1.3 backplane, 1 PCIe x16 w/ x16 slots, 3 PCIe x4 w/ x16 slots, 4 PCI, RoHS
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis
RACK-3000G	4U 14-slot full-size rack-mount chassis

PXE–12S–R10

Mounting holes compatible with PCI-14S

(PCIe to PCI-X Bridge)
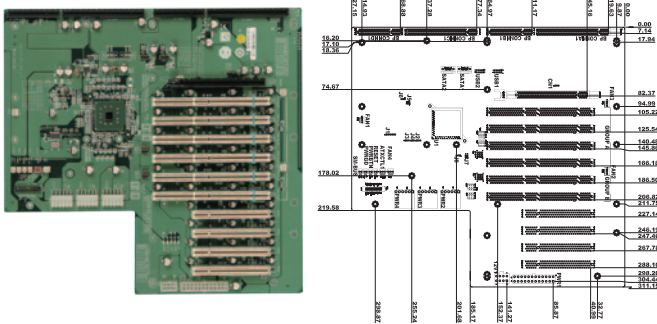
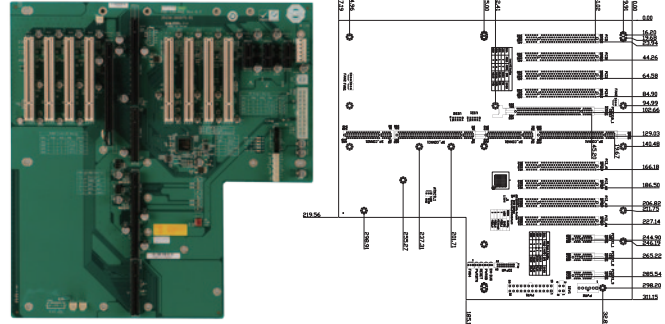| Ordering Information	
PXE-12S-R10	12-slot backplane with one PCIe x16 slot, six PCI-X slots and four PCI slots
RACK-3000G	4U 14-slot full-size rack-mount chassis
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis

PXE–13S–R50

Mounting holes compatible with PCI-14S

(PCIe to PCI Bridge)

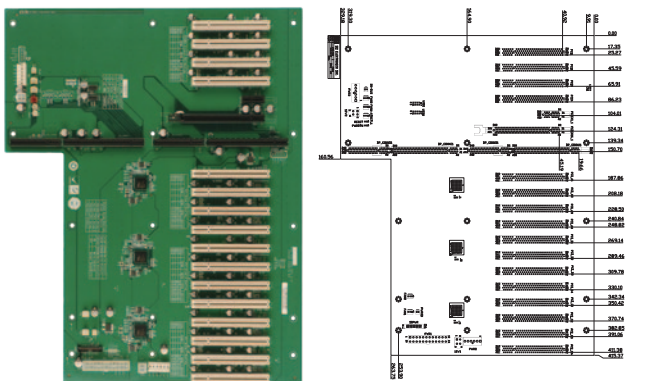| Ordering Information	
PXE-13S-R50	13-slot backplane with one PCIe x16 slot, three PCIe x1 slots and eight PCI slots
RACK-3000G	4U 14-slot full-size rack-mount chassis
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis

PXE–19S–R40

Mounting holes compatible with PCI-19S
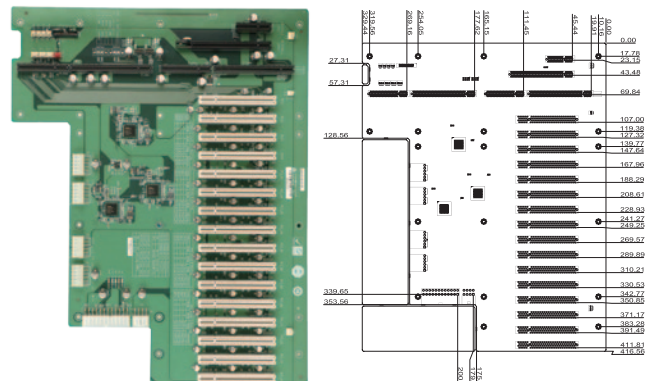
(PCIe to PCI Bridge)

Ordering Information	
PXE-19S-R40	19-slot backplane with one PCIe x16 slot, one PCIe x1 slot and sixteen PCI slots

PXE–19S2–R10

Mounting holes compatible with PCI-19S

(PCIe to PCI Bridge)

Ordering Information	
PXE-19S2-R10	19-slot backplane with one PCIe x16 slot, one PCIe x1 slot and sixteen PCI slots

Mouser Electronics

Authorized Distributor

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