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SLIM BOX

Horizontal Enclosures

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Horizontal Enclosures XL1000 Series

Horizontal Rackmount Enclosures for CompactPCI

The XL1000 Series is a cost-effective family of "pizza box" style horizontal rackmount enclosures developed for carrier-grade CompactPCI telecom, Internet and embedded control applications. The XL1000 is a high-density platform to house front computer boards, rear I/O boards, hot-pluggable power supplies and provide maximum cooling.



Standard AC Platform:

· 1U,2U,3U & 4U - 19 inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm - 4in.)
· 2/4/6/8 slots (2x6Ux160mm front and 2x6Ux80mm rear)
· Cooling configured from left to right (R-L optional)
· EMC and ESD protection
· Front and rear ESD jack
· Includes 6U 64-bit/66Mhz CompactPCI monolithic backplane (64--bit/33MHz in 3 & 4U) with integrated power supply backplane.
· 2U, 3U and 4U with **H.110*** bus on P5. (*Requires H.110 48V DC rear feed harness)

(Consult factory)

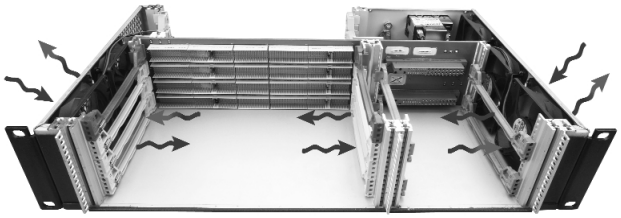
· Custom backplane designs available upon request.
· AC hot-swap Power Supplies (see PSU options)
· Rear AC single power entry feed with on/off switch, fuse, line filter and ground stud (Dual AC feed option available)
· AC power cable
· Top cover is easily removable for service
· Painted black finish (optional colors available).

Optional DC Platform:

· Same as the AC Platform
· Exception: Optional rear single or dual DC power entry feed, circuit breaker and ground stud(s)
· DC hot-swap power supply options

Configurable Cooling:

The standard XL1000 airflow direction is factory set from left to right. However, on request the airflow direction can be set from right to left **(consult factory)**. The airflow measurements listed with each U size are theoretical and intended to be used only as a guide.



Backplane Options:

· For custom application designs including Switch Fabric, please inquire.



3Ux8HP AC Power Supply Options (consult factory):

· Hot swap, N+1 redundant with internal OR-ing diodes
· Power factor corrected AC 90-264V input
· Current sharing on 5 V and 3.3V outputs
· 47 pin connector per PICMG 2.11

Other options:

· DC hot-swap power supplies
· Suitable drive bays (2U, 3U, 4U)
· 6U Filler panels for system and I/O slots
· 3U Filler Panels for unused PSU slots (Drive Bays and/or open frame PSU's)
· Higher CFM (m3/h) DC fans
· DC fans with speed control and fail signal
· DC and Dual DC Platform options available
· Alternative colors

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Horizontal Enclosures XL1000 Series

1U - 2 Slot XL1100

Standard AC Platform:

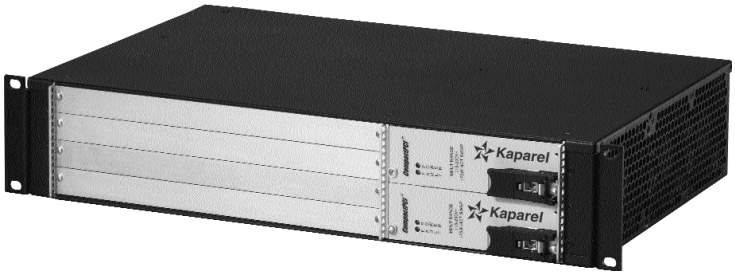
· 1U - 19 inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm - 4in.)
· 2-front slots (2x6Ux160mm) and 2-rear slots (2x6Ux 80mm)
· Cooling from left to right (40mm 12V DC (0.32A) fans at 12CFM (21m3/h) each - 4 right and 3 left)
·The theoretical measured airflow from left to right is 281lfm (1.43m/s) per slot



2U - 4 Slot XL1200

Standard AC Platform:

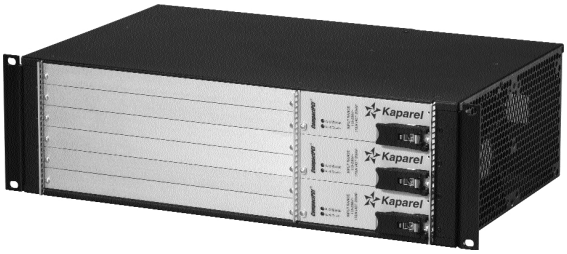
· 2U - 19inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm - 4in.)
· 4-front slots (4x6Ux160mm) and 4-rear slots (4x6Ux80mm)
· Cooling from left to right (80mm 12V DC (0.18A) fans at 44CFM (74m3/h) each 3 right and 2 left)
·The theoretical measured airflow from left to right is 348lfm (1.77m/s) per slot



3U - 6 Slot XL1300

Standard AC Platform:

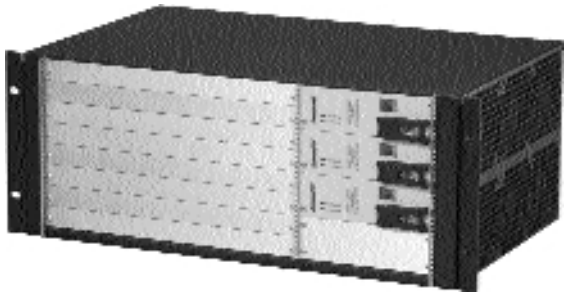
· 3U - 19 inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm - 4in.)
· 6-front slots (6x6Ux160mm) and 6 rear slots (6x6Ux80mm)
· Cooling from left to right 120mm 12V (0.36A) DC fans at 115CFM (195m3/h) each, 1 left and 1 right plus 1- 80mm 12V DC (0.18A) fan at 44CFM (74m3/h), right)
· The theoretical measured airflow from left to right iis 252cfm (1.28m/s) per slot.



4U - 8 Slot XL1400

Standard AC Platform:

· 4U - 19inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm; 4in.)
· 8-front slots (8x6Ux160mm) and 8-rear slots (8x6Ux80mm)
· Cooling from left to right (80mm 12V DC (0.18A) fans at 44CFM (74m3/h) each, 6 right and 4 left)
·The theoretical measured airflow from left to right is 267lfm (1.36m/s) per slot.



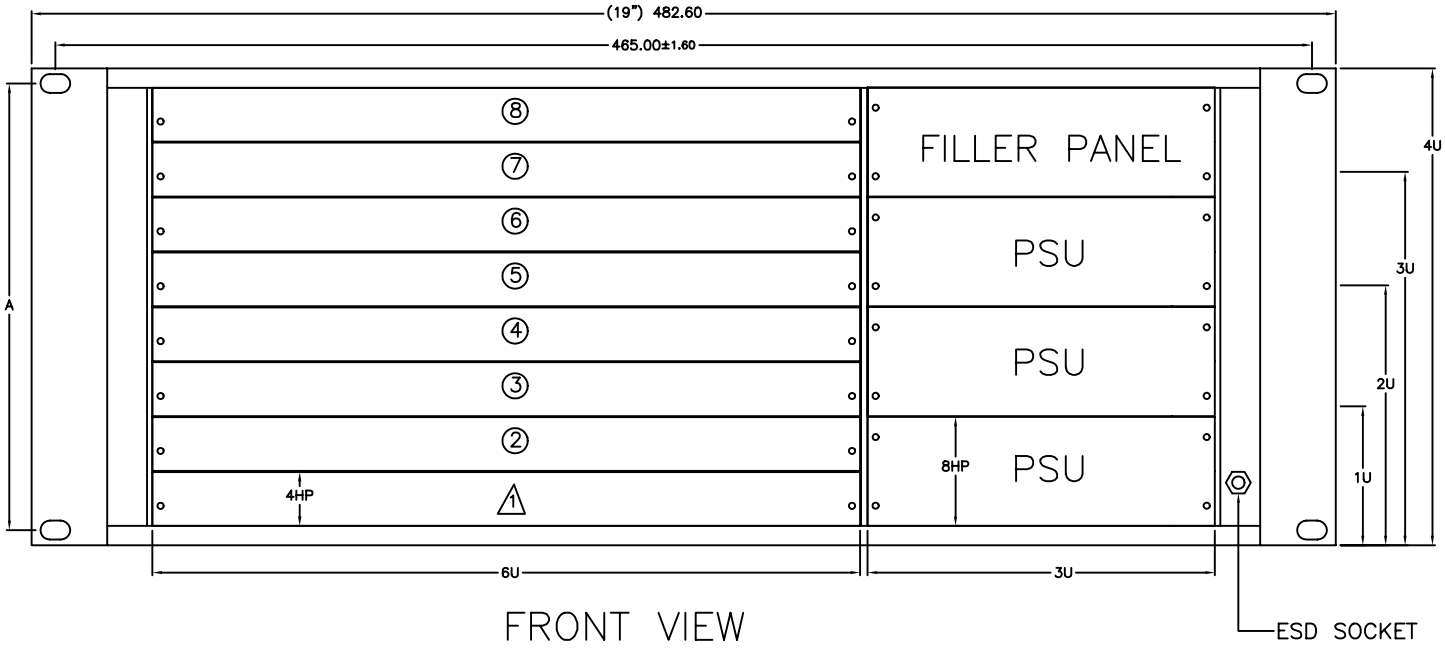
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U	MAX H ≤	A	CPCI SLOTS	PSU SLOTS	FILLER PANEL
1	44.45	31.8	2	1 X 8HP	N/R
2	88.9	76.3	4	2 X 8HP	N/R
3	133.35	120.8	6	3 X 8HP	N/R
4	177.8	165.3	8	3 X 8HP	1 X 8HP

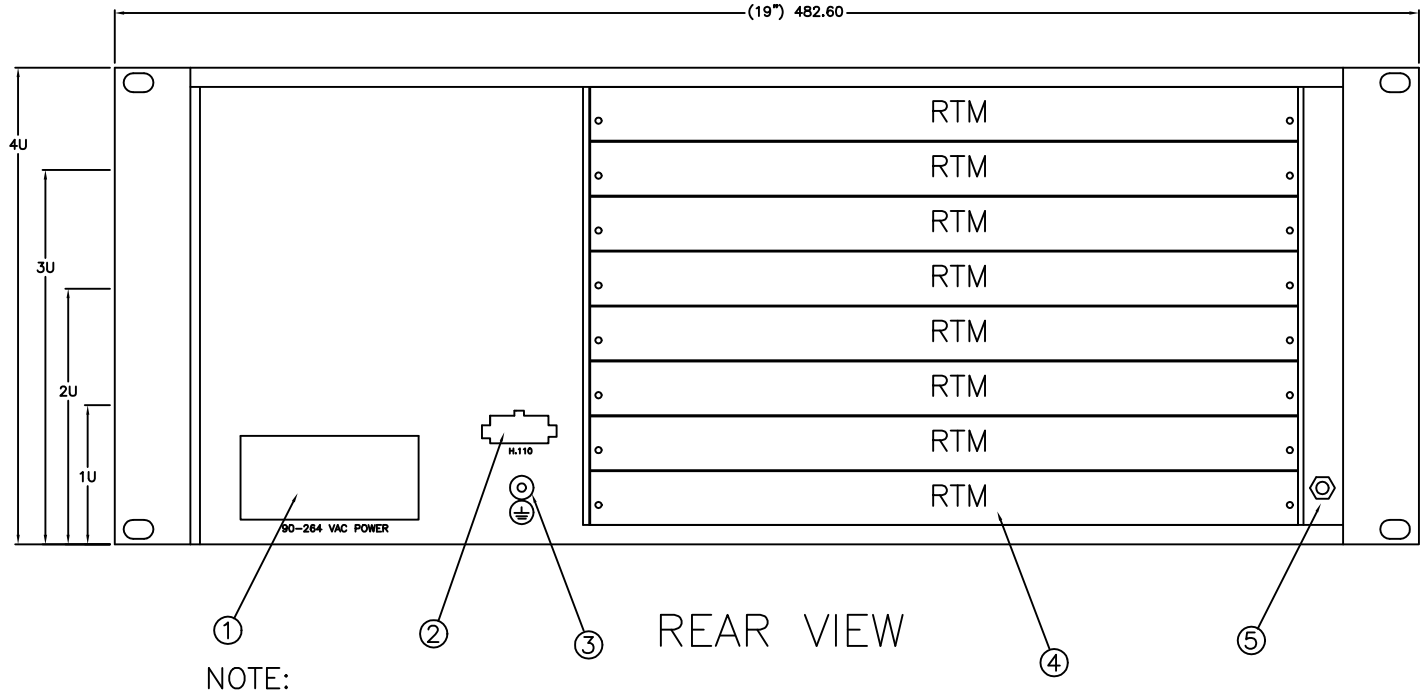
PSU IN ACCORDANCE WITH
PICMG 2.11–47 PIN CONNECTOR

△ SYSTEM SLOT

○ PERIPHERAL SLOTS



FRONT VIEW

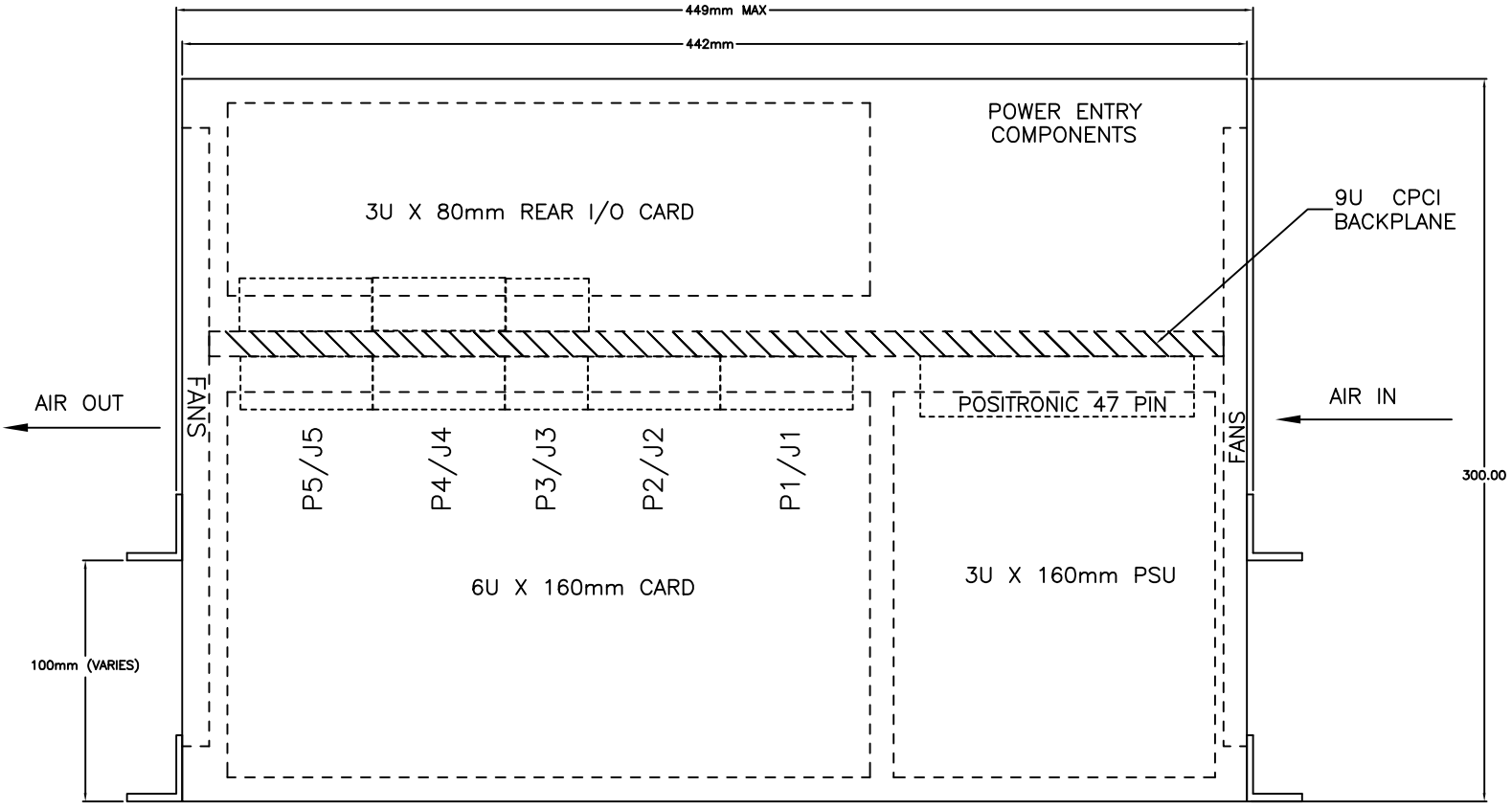


REAR VIEW

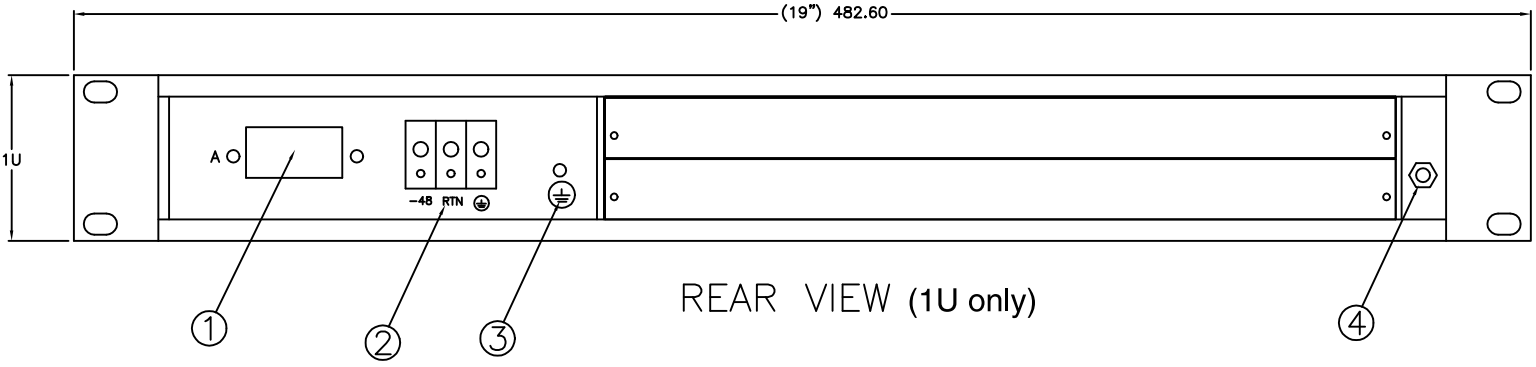
NOTE:

1. AC POWER ENTRY MODULE WITH LINE FILTER, FUSE, ON/OFF SWITCH
2. KNOCK–OUT H.110 CONNECTOR POSITION (SEE OPTIONAL CABLE HARNESS)
3. CHASSIS GROUND STUD
4. RTM = REAR TRANSITION (I/O) MODULE 6U X 80mm
5. ESD SOCKET

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TOP VIEW



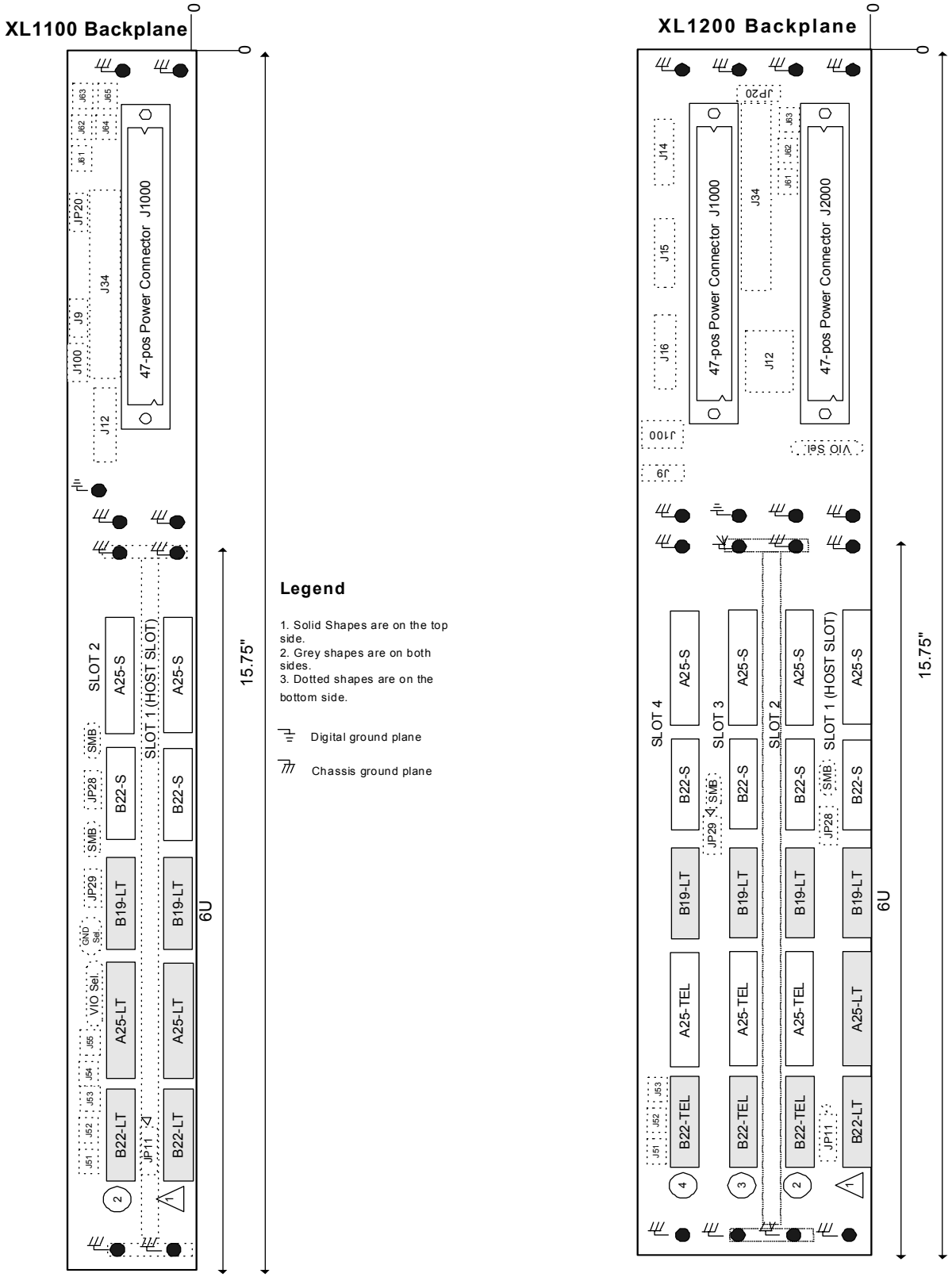
REAR VIEW (1U only)

NOTE:

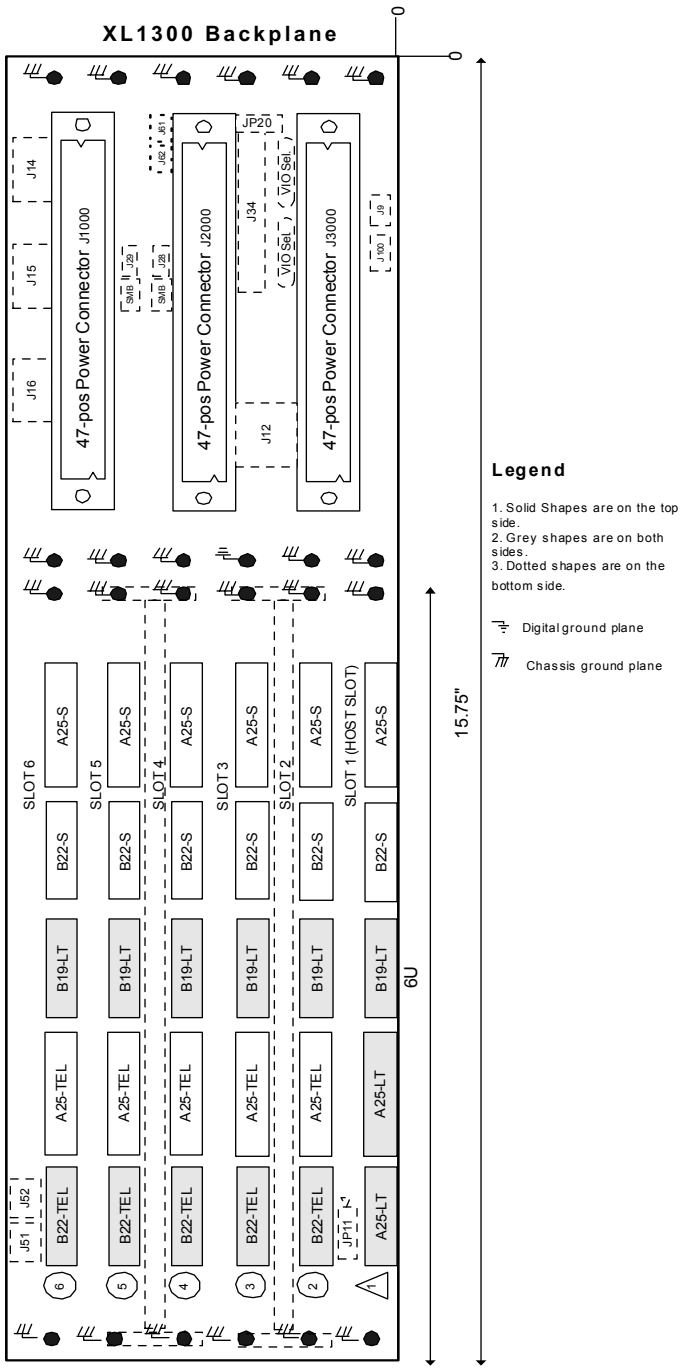
1. CIRCUIT BREAKER – POWER FEED "A"
2. POWER FEED "A"
3. CHASSIS GROUND STUD
4. ESD SOCKET

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XL1000 Backplanes



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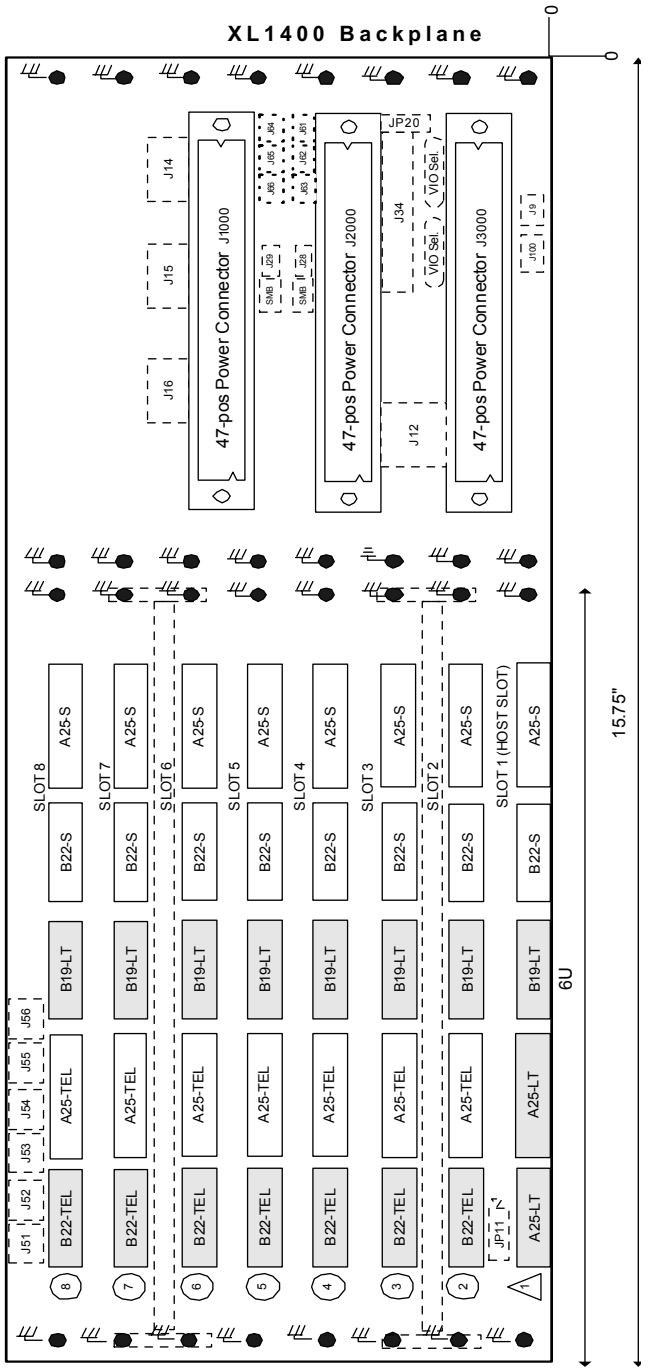


Legend

1. Solid Shapes are on the top side.
2. Grey shapes are on both sides.
3. Dotted shapes are on the bottom side.

Digital ground plane

Chassis ground plane



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