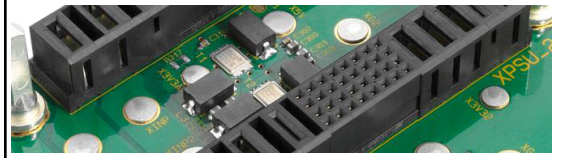


3U VPX Power BACKPLANE 2 Slot – AC Input Voltage

VITA 62



Key Features:

- Compliant to VITA 62 baseline specification
- 2 Slot 3U J0 Connector
- Input Voltage 85-265VAC
- Max Input Current 17A per Slot
- M4 studs for VS1/12V (max. 80A) and GND (max. 160A)
M3 studs for VS2/3.3V (max. 40A), VS3/5V (max. 80A)
- PCB size 128.50mm x 101.60mm x 5.4 mm
- Fail, Reset and Sense signals
- Flexible keying and alignment mechanism
- Enable and Inhibit signals accesible
- System Management Interface on the backplane (I2CA, I2CB)
- Compatible to standard VPX 3U AC PSU, such as the
Hartmann 600W AC Power Supply p/n D575.00646
- Operating temperature: -40° - +85°C
- Storage temperature: -55°C - +85°C
- Flammability rating: UL94-V0
- Custom assembly or modification on request

▪ **Order number: 2.H0002061**

Front side

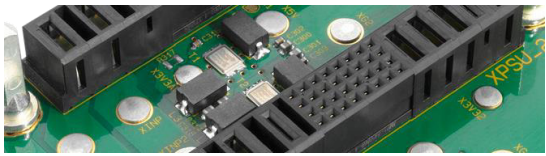


Back side



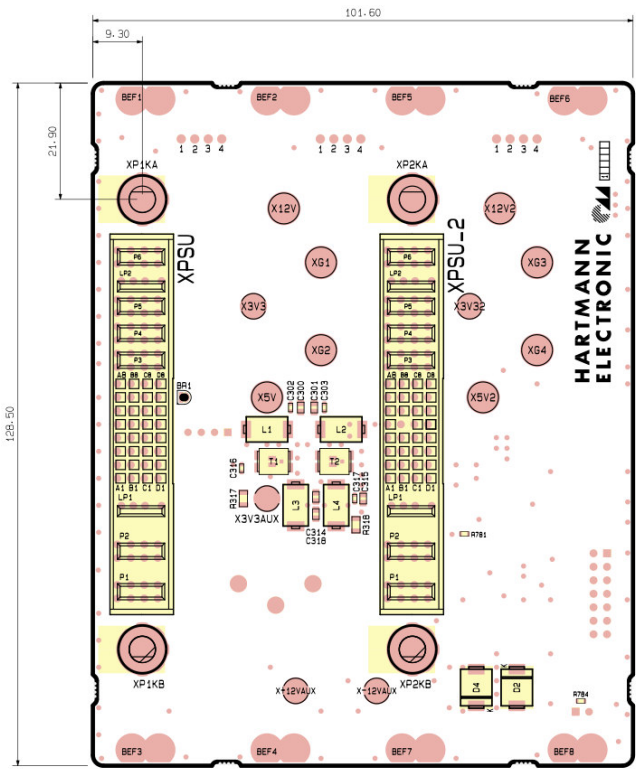
3U VPX Power BACKPLANE
2 Slot – AC Input Voltage

VITA 62

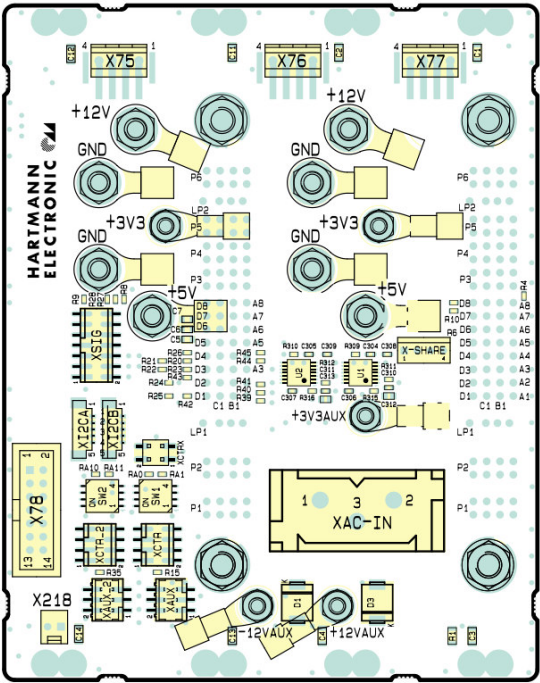


1) Drawings

Front side

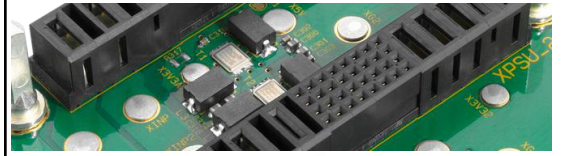


Back side



3U VPX Power BACKPLANE 2 Slot – AC Input Voltage

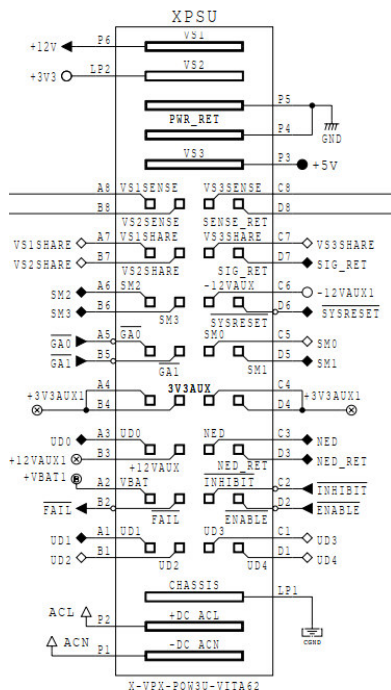
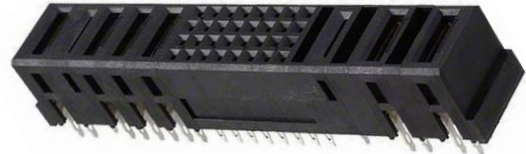
VITA 62



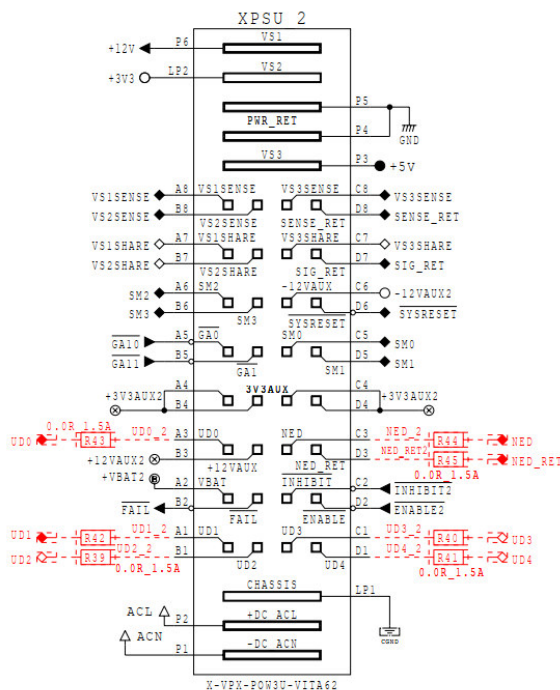
2) J0 Power Connector (XPSU)

For 3U PSU Plug-In Modules according to VITA 62.0.

Connector Tyco 1-6450869-4



Connector 1



Connector 2

3) Power Input Connector (XIN)

Pin Connector for AC

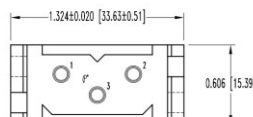
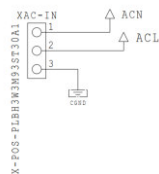
3: CASE GND (CGND)

2: AC Input (L)

1: AC Input (N)

Input voltage 36-500V (AC)

Connector Positronic PLBH3W3M93ST30A1



Pin Connector for DC

3: CASE GND (CGND)

1: -DC Input

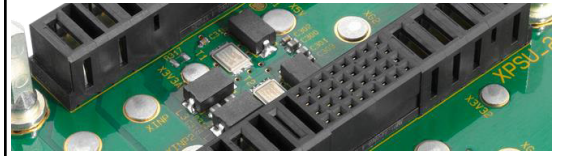
2: +DC Input

Input voltage 36-500V (AC)

Connector Positronic PLBH3W3M93ST30A1

3U VPX Power BACKPLANE 2 Slot – AC Input Voltage

VITA 62



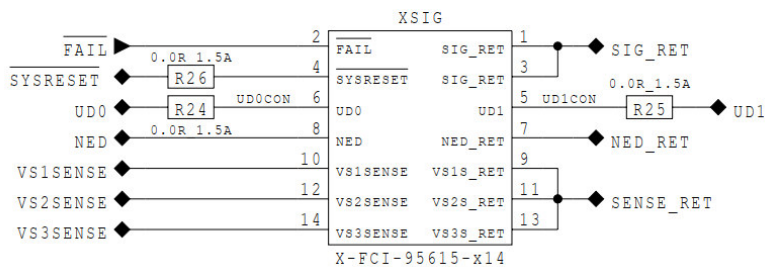
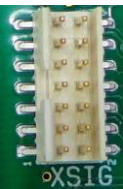
4) Current Capability:

■ VS1: +12V	80 A
■ VS2: +3.3V	40 A
■ VS3: +5V	80 A
■ +3.3V AUX	12 A
■ +/- 12V AUX	4 A

5) Utility (XSIG)

Special signals like sense signals for connection to the power supply are at the connector XSIG.

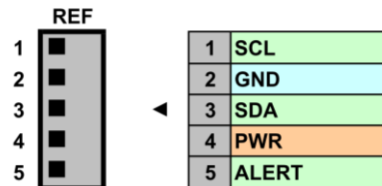
Connector FCI/Berg 95615-014TRLF



Mating with:
Hartmann F006.00450

6) IMPB(A+B) I²C Connector

- 1,3: Serial clock and data, IPMBA (SM0,SM1) of VPX
- 4: IPMB-Power is connected at VPX-Backplane
- 5: Not available from PSU



Connector Molex 53398-0571

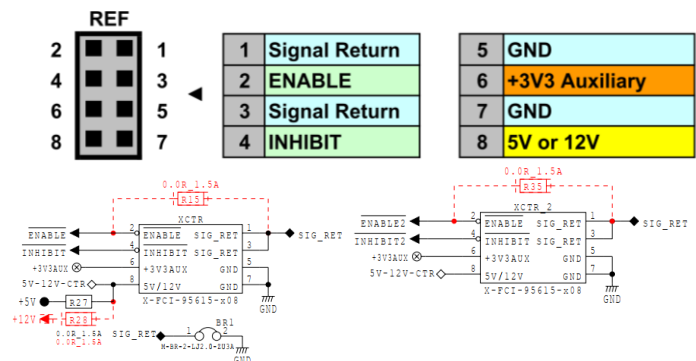


Mating with:
PicoBlade Cable
Assembly 15134

7) Connector for control of VPX Power Backplane (XCTR)

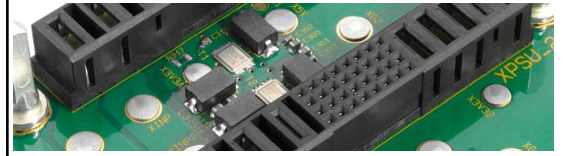
- 1,3: Return path for signals, grounded on VPX-Backplane
- 2: Enable PSU (in, L)
- 4: Inhibit PSU (in, L)

Two Connectors FCI 95615-008LF



3U VPX Power BACKPLANE 2 Slot – AC Input Voltage

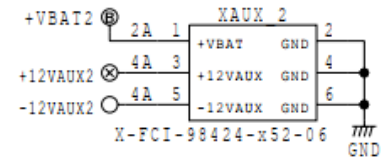
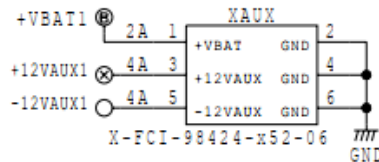
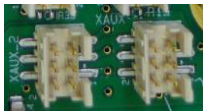
VITA 62



8) Connector for auxiliary voltages (XAUX)

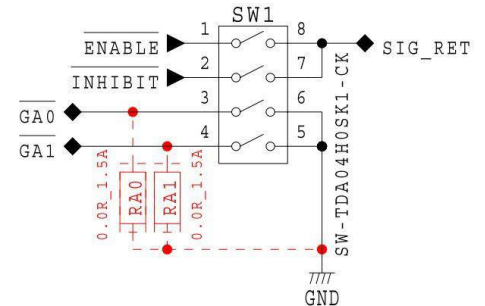
1: Auxiliary voltage ~ 3.0 V (2.55-3.5V, for setups, volatile memories etc.)

Two Connector FCI 98424-G52-06LF



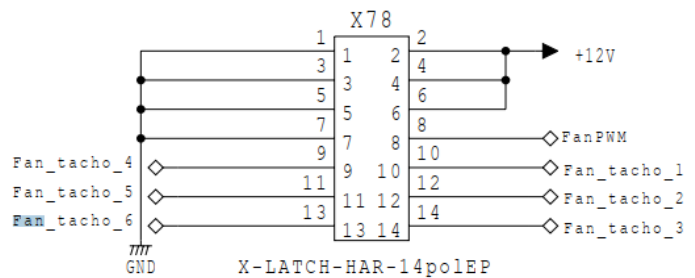
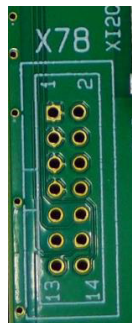
9) Switch SW1, SW2

REF	OPEN	CLOSED
1-8	PSU ENABLE - ext. controlled	PSU enabled
2-7	PSU INHIBIT - ext. controlled	PSU inhibited
3-6	GA Bit 0 = 0	GA Bit 0 = 1
4-5	GA Bit 1 = 0	GA Bit 1 = 1



10) Connector Fans (XFAN)

1	GND
2	Fan_Power
3	GND
4	Fan_Power
5	GND
6	Fan_Power
7	GND
8	Fan_PWM
9	Fan_TACHO-4
10	Fan_TACHO-1
11	Fan_TACHO-5
12	Fan_TACHO-2
13	Fan_TACHO-6
14	Fan_TACHO-3



Connector FCI95615-014TRLF

Germany

Hartmann Electronic GmbH
Phone: +49 711 13 98 90
Fax: +49 711 8 66 11 91
vertrieb.he@kontron.com
www.hartmann-electronic.com

USA

Kontron
Fabian Hemmann
Phone: +1 937-324-2420
Mobile: +1 937 346 7878
fabian.hemmann@us.kontron.com
www.hartmann-electronic.com

France

Kontron Modular Computers S.A.S.
Serge Pichat
Phone: +33 (0)9 66 44 03 15
Mobile: +33 (0)6 82 62 16 00
Serge.pichat@kontron.com
www.hartmann-electronic.com

India

Hartmann Electronic GmbH
Vivek Deshpande
Phone: +1 91 20 66 74 51 23
Vivek.Deshpande@kontron.com
www.hartmann-electronic.com