

VPXtra® HU700HV

3U Accessory Hold-Up Card for VPXtra®800B

FEATURES

- Wide Input Range
- High Power DC Output
- 50 msec Hold-up for 700W[†] when used in conjunction with VPXtra®800B
- Conduction Cooled at Card Edge
- Conformal Coating on PWA



The Behlman VPXtra®HU700HV COTS Hold-Up card is a rugged, highly reliable, conduction cooled, unit built for high-end industrial and military applications. The VPXtra® HU700HV is a 3U hold-up card expressly designed for use with Behlman's VPXtra®800B power supply to supply sufficient energy storage to hold-up 700W[†] of DC power for 50 msec as specified by MIL-STD-704.

The power supply is designed to support the rigors of mission critical airborne, shipboard, vehicle and mobile applications.

Designed and manufactured with *Xtra-Cooling*, *Xtra-Reliable* Design and *Xtra-Rugged* construction makes the Behlman VPXtra®HU700HV your best choice.

INPUT

Voltage:	270 VDC (230-310 VDC) Designed to meet the input power transients of MIL-STD-704 (A to F)
Grounding:	All input and output terminals (excluding the designated Chassis GND terminal) shall be isolated from the metal enclosure

HOLD-UP

Power:	700 Watts [†]
Time:	50 msec typ. (when used with VPXtra®800B)
Charging Time:	100 msec max
Discharge Time:	Voltage at output pins shall be 30V or lower no more than 2 seconds after removal of source power

INDICATOR

Charge Status:	Bi-color LED (Red/Green)
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GENERAL CHARACTERISTICS

Isolation:	
Input to Output:	1000 VDC
Input to Case:	1000 VDC
Output to Case:	1000 VDC
MTBF:	1,668,117hrs G _F @ 55°C, IAW MIL HDBK-217F Notice 2

ENVIRONMENTAL COMPLIANCE

(IAW VITA 47.1 Class ECC4SL1)

Temperature	
Operating:	-40°C to +85°C
Storage:	-55°C to +105°C
Altitude:	-1,500 to +70,000 ft.

Designed to meet the following:

Humidity:	VITA 47.1, up to 95% RH
Salt Fog:	VITA 47.1, Class SL1
Shock:	VITA 47.1 Class OS2
Vibration:	VITA 47.1 Class V3
EMI:	MIL-STD-461G (Aircraft)

For more details see VPXtra®800B Data Sheet

[†] Assumes 115/200VAC or 270VDC source voltage IAW MIL-STD-704F applied to VPXtra®800B power supply; contact factory for characteristics at other source voltages.

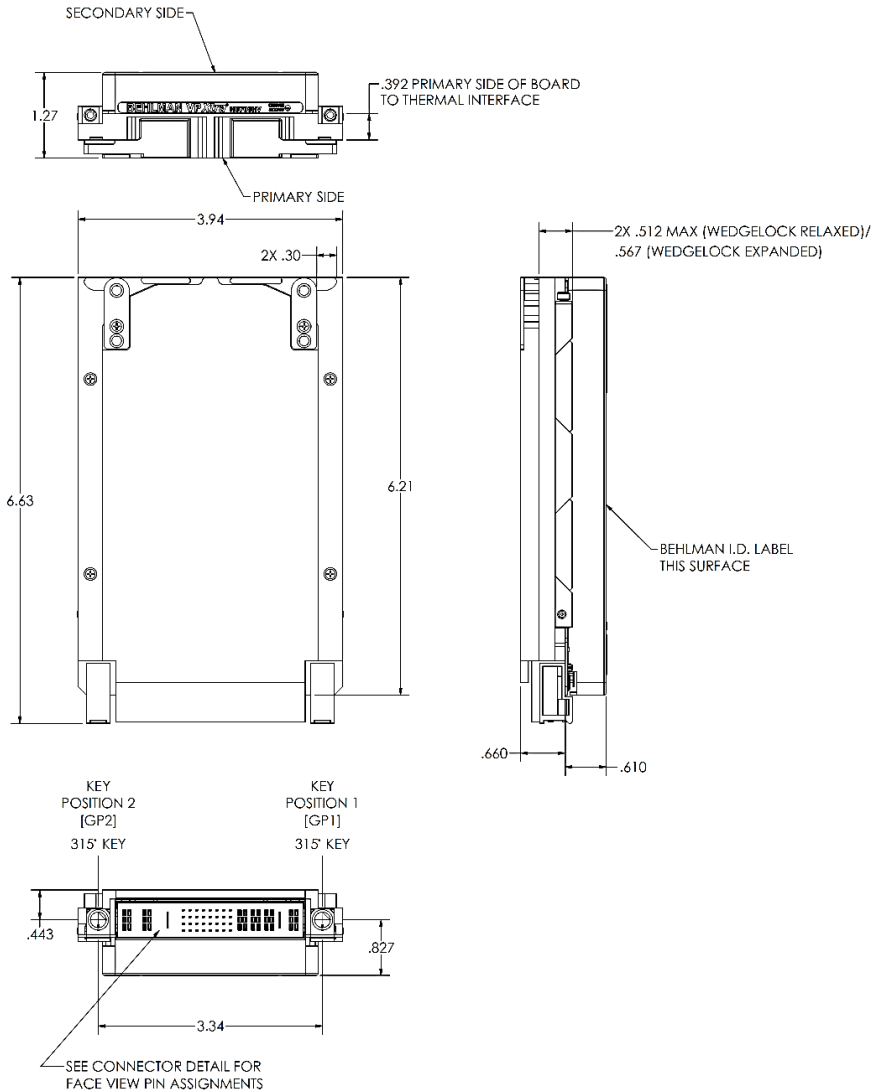
MECHANICAL (1.3 inch pitch)

See O&C drawing 24178 for connector details and pin assignments

Dimensions: 3.94"W x 6.63"L x 1.27"H

Weight: 1.65 lbs.

Mating Connector: TE Connectivity 2313441-1 or similar IAW VITA 62.2



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VITA Member

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