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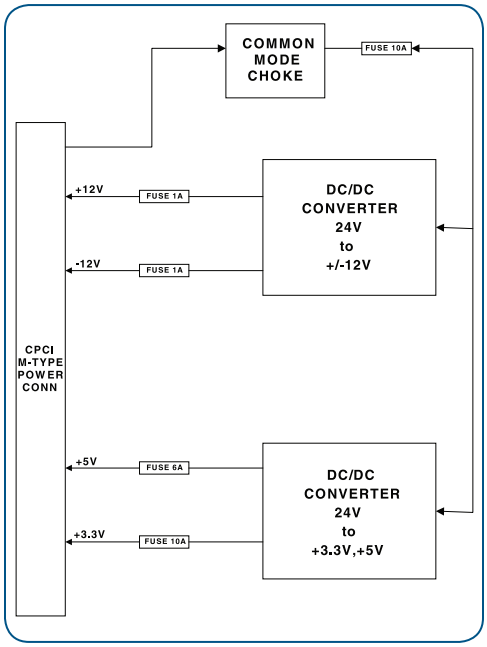
PWRS-0720

3U POWER SUPPLY CARD

This power supply provides all necessary power for a 3U CompactPCI® system. The board provides power signals through the M-type connector to the cPCI backplane.

Features & Benefits

- 85 Watts
- 24 VDC input
- Single slot
- M-type connector
- LED indication



Block Diagram

	A	B	C
2	Reserved		
5	Reserved		
8	Reserved		
11	CHASSIS GND		
13	Spare	+3.3VDC	Reserved
14	Reserved	+3.3VDC	Reserved
15	Reserved	+3.3VDC	Reserved
16	Sense 5V COM	+3.3VDC	+3.3VDC
17	Sense +5VDC	+3.3VDC	+3.3VDC
18	+3.3VDC	+3.3VDC	+3.3VDC
19	+12VDC	+12VDC	+12VDC
20	-12VDC	-12VDC	-12VDC
22	+5VDC		
25	5V COM		
28	INPUT +24V		
31	INPUT 24COM		

M-type Connector Pinouts

Specifications and Ordering Information

Physical

PCB Dimensions	100mm (3.9370”) Height x 160mm (6.2992”) Depth x 1.6mm (0.0629”) Thickness
Form Factor	Plug in Eurocard, 3U Height, 8HP Width (1 slot), IEEE (1101.1, 101.10 and P1101.11)
Rear Connector	M-type Connector
Front Panel	128.5mm Height x 20.32mm Depth x 2.5mm Thickness
Weight	300g (0.66lb)
Compliance	PICMG 2.0 R 2.1

Environmental

Operating Temperature	0 to 70°C
Storage	-40 to +85°C
Humidity	5-95% non-condensing

Ripple Noise (with 90% load)

3.3V	Max 45mVp-p @ 25 MHz, 8mV RMS
5V	Max 44mVp-p @ 25 MHz, 10mV RMS
±12V	Max 50mVp-p @ 25 MHz, 12mV RMS

Protection Circuitry

In Rush Current on Power Up	Common mode EMI suppression inductor
±12V	Fusing: normal blow D.C. 1A; Fuse in socket for easy removal Over current: 0.996A Over voltage: works at 13.8V ~ 16.8V
+5V	Fusing: normal blow D.C. 6A; Fuse in socket for easy removal Output current limit: 19A ~ 22A Over voltage: works at 5.85V ~ 6.35V Over temperature limiting (TYP) Tc = 115°C
+3.3V	Fusing: normal blow D.C. 10A; Fuse in socket for easy removal Output current limit: 12.6A ~ 15A Over voltage: works at 3.8V ~ 4.3V Over temperature limiting (TYP) Tc = 115°C
+24V (Input power)	Fusing: normal blow D.C. 10A; Fuse in socket for easy removal

Indicators and Fuses

Front Panel Indicators	6 LEDs; 24V Input Power; 3.3V output; 5V output; +12V output; -12V output; BIT test (for future use)
On-Board Fuses	F1: 24V in 10A; F2: +12V out 1A; F3: -12V out 1A; F4: +5V out 6A; F5: +3.3V out 7.5A

Ordering Code Example:

Power Supply Card, 3U	AS00720-02

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