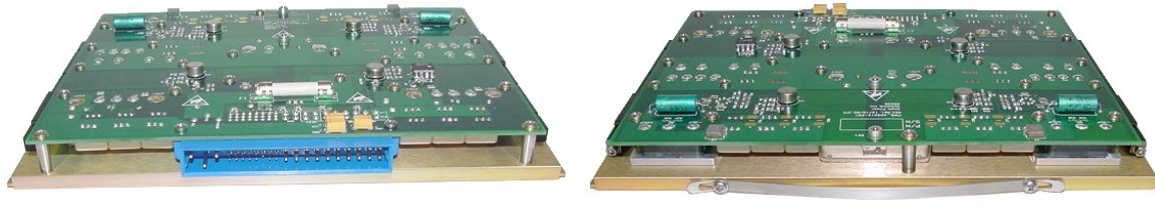


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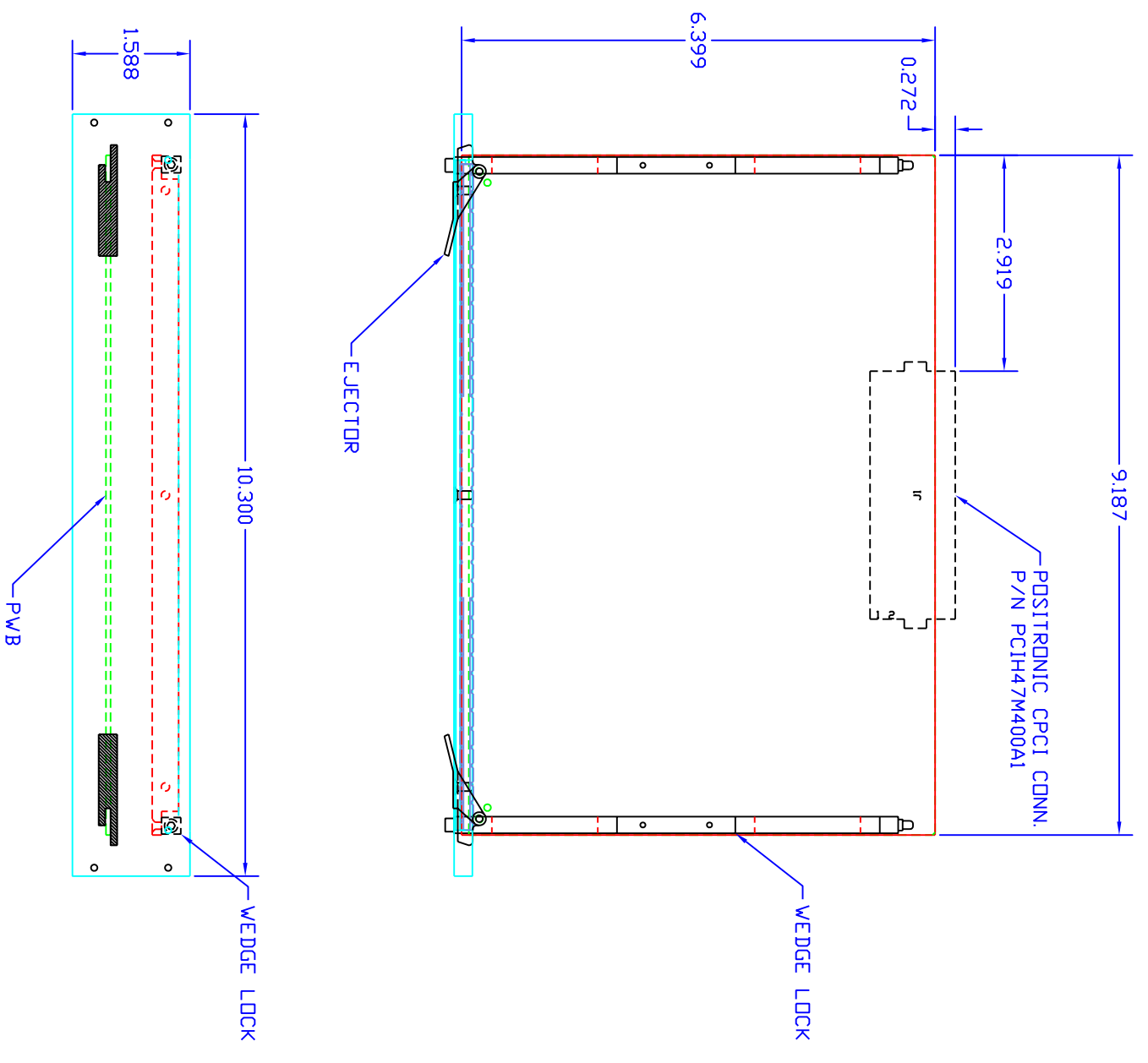
Date: 10/31/07



AG2512 28VDC 300W DC Supply (25°C, nom line, 100% load unless otherwise specified)

<u>DC Input Voltage:</u>	Meets Mil-Std-704E/F Normal Range 22VDC to 29VDC, 28VDC nominal 50VDC 12.5msec transient, shutdown for longer periods, automatic restart
<u>DC Input Line Current:</u>	Shuts down for Abnormal Range, automatic restart 18A Max @ 22VDC, 14A typical @ 28VDC input
<u>Input Power:</u>	385W Max.
<u>Output Power:</u>	300W Max. all outputs combined
<u>Output Voltages:</u>	+5VDC 40A 200W +3.3VDC 45A 150W +12VDC 8.3A 100W -12VDC 8.3A 100W
<u>Remote Sense:</u>	+5VDC and +3.3VDC Remote Sense 0.25VDC correction
<u>Efficiency:</u>	78% Min.
<u>Startup Time:</u>	1 second Max.
<u>Voltage Setpoint:</u>	+/-0.5%
<u>Temperature Regulation:</u>	+/-0.01%/deg C
<u>Line/Load Regulation:</u>	+/- 1%
<u>Output Ripple:</u>	50mV pk-pk Max. (20MHz BW) all except +3.3VDC 65mV pk-pk Max. (20MHz BW)
<u>Oversvoltage Protection:</u>	typical 115% Recycle input power to reset (1minute off)
<u>Current Limit:</u>	Short Circuit protected, automatic recovery
<u>Temperature:</u>	-46°C to +71°C Operating baseplate wedgelocks 250W -46°C to +65°C Operating baseplate wedgelocks 300W -55°C to +100°C Non-operating
<u>Size:</u>	6U x 8hp x 160mm see mech dwg
<u>Weight:</u>	3.5 lb. Max.
<u>Connector:</u>	Positronics PCIH47M400A1 or equivalent
<u>Shock and Vibration:</u>	MIL-STD-810 Ground Mobile
<u>Humidity:</u>	0-95% non-condensing
<u>EMI:</u>	MIL-STD-461E CE102 and CS101, tested at Aegis

NOTES: UNLESS OTHERWISE SPECIFIED
 1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994.
 2. MATERIAL:
 3. FINISH:



ZONE	REV	DESCRIPTION	DATE	APPROVED
A01	XXX	INITIAL RELEASE	XX/XX/XX	JFS
	XXX		XX/XX/XX	XXX

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. FRACTIONS DECIMALS DECIMALS * N/A * 02 * 5 * N/A * 005 * .5		CONTRACT NO. APPROVALS DATE DRAWN JFS 12/01/05 CHECKED PROJ. ENG. WFG QUALITY	TITLE AEGIS P/N: XXXXX AEGIS POWER SYSTEMS MURPHY, NORTH CAROLINA AG2512 MECH LAYOUT
SEE NOTE 2 SEE NOTE 3	FINISH SEE NOTE 3	DO NOT SCALE DRAWING	SCALE 1/1 SHEET 1 OF 1