HS-701

HOT SWAP - 700 WATTS
With Or'ing Diodes

FEATURES:

5.05" x 4.846" x 11.81" in Size
N+1 Redundant and Hot Swap (Elcon Middle Drawer Connector)
Fast and Easy Installation
Meets EN55022 Level A / FCC Class A
No Additional Cooling Required up to 50 °C
Power Factor Corrected Input (90-264VAC)
Zero Wire Current Share Capability on V1, V2 Outputs
LED Included Indicates Power Supply Status (POK)
Greater than 150,000 Hrs MTBF (500,000 Hrs in Redundancy)

	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)	OUTPUT POWER (WATTS)
V1	5	60	300
V2	3.3	55	180
V3	12	12 (15Apk)	144
V4	-12	5	60
V5	+5V Aux	2.5	12.5

SWITCHING POWER, INC.
Regulated D.C. Power

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VISIT US ON THE WEB:
http://www.switchpwr.com

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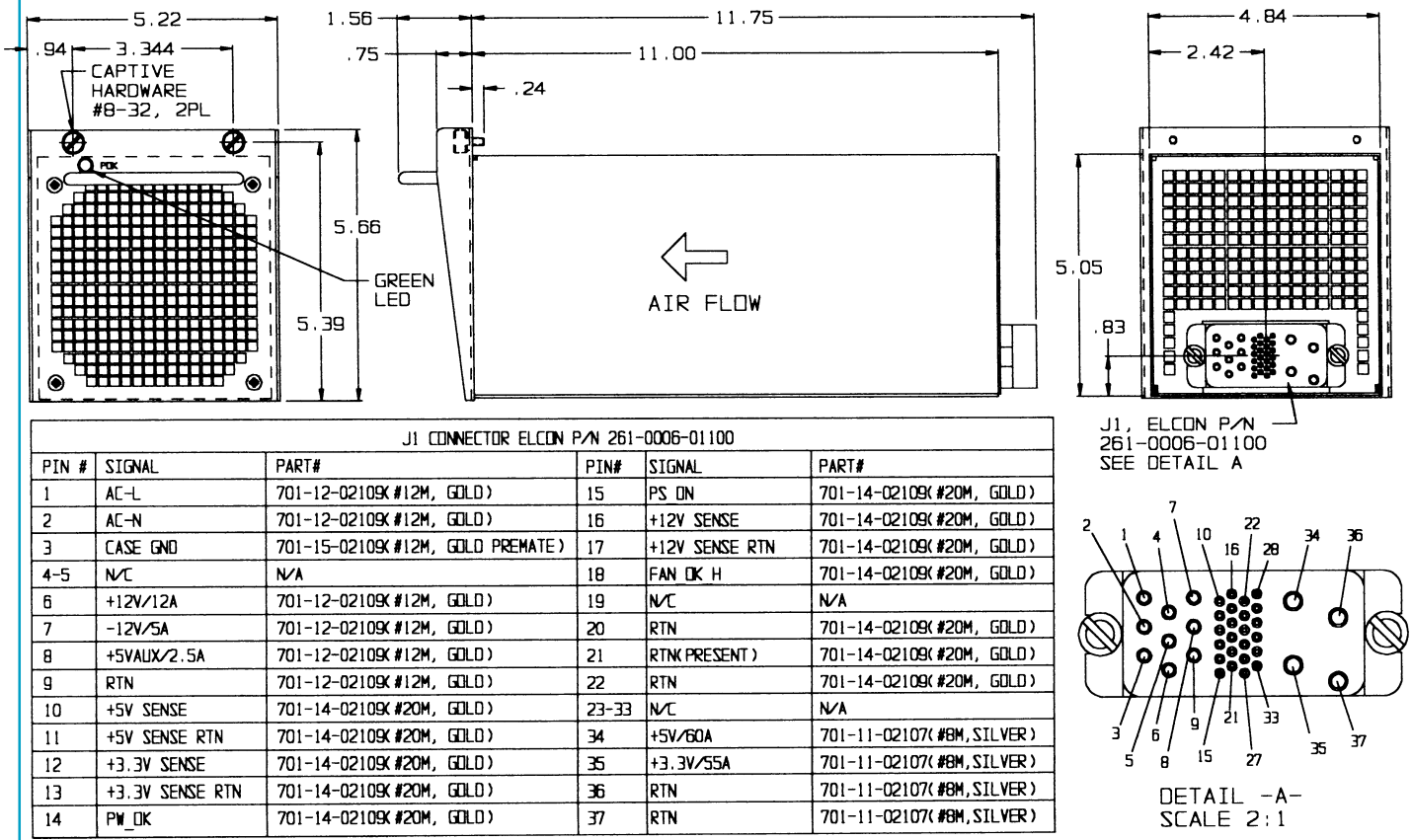
*IN PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING



J1 CONNECTOR ELCON P/N 261-0006-01100					
PIN #	SIGNAL	PART#	PIN#	SIGNAL	PART#
1	AC-L	701-12-02109(#12M, GOLD)	15	PS ON	701-14-02109(#20M, GOLD)
2	AC-N	701-12-02109(#12M, GOLD)	16	+12V SENSE	701-14-02109(#20M, GOLD)
3	CASE GND	701-15-02109(#12M, GOLD PREMATE)	17	+12V SENSE RTN	701-14-02109(#20M, GOLD)
4-5	N/C	N/A	18	FAN OK H	701-14-02109(#20M, GOLD)
6	+12V/12A	701-12-02109(#12M, GOLD)	19	N/C	N/A
7	-12V/5A	701-12-02109(#12M, GOLD)	20	RTN	701-14-02109(#20M, GOLD)
8	+5VAUX/2.5A	701-12-02109(#12M, GOLD)	21	RTN(PRESENT)	701-14-02109(#20M, GOLD)
9	RTN	701-12-02109(#12M, GOLD)	22	RTN	701-14-02109(#20M, GOLD)
10	+5V SENSE	701-14-02109(#20M, GOLD)	23-33	N/C	N/A
11	+5V SENSE RTN	701-14-02109(#20M, GOLD)	34	+5V/60A	701-11-02107(#8M,SILVER)
12	+3.3V SENSE	701-14-02109(#20M, GOLD)	35	+3.3V/55A	701-11-02107(#8M,SILVER)
13	+3.3V SENSE RTN	701-14-02109(#20M, GOLD)	36	RTN	701-11-02107(#8M,SILVER)
14	PW_OK	701-14-02109(#20M, GOLD)	37	RTN	701-11-02107(#8M,SILVER)

Nominal Input Voltage
Frequency
115-240 VAC.
47-63 Hz , 400 Hz

Operational Input Voltage Range
90-264 VAC
Power Factor Corrected. Meets EN 61000-3-2.

Inrush Current
Less than 4 msec 50 amperes @ 115 VAC
or 100 amperes @ 230 VAC.

Fusing
15 Ampere, 250 VAC, Internal ceramic body fuse.

Hold up time
20msec minimum after loss of AC Input at full load and nominal input

Efficiency
65% typical with OR diodes

Turn on time
Less than 1 sec.

Load Regulation
4% for 0% to 100% load change on V1.
4% for 0% to 100% load change on V2.
3% for 0% to 100% load change on V3.
3% for 0% to 100% load change on V4.
3% for 0% to 100% load change on V5.
5% minimum load on V1 for maximum load on V3, V4.

Line Regulation
0.1% over operating line range

Ripple & Noise
1% PARD or 100mv which ever is greater.
20MHz bandwidth.

Transient Response
All Outputs maximum excursion of ± 5% for 25% load step. Recovery less than 500 µsec.

Short Circuit and Overload Protection
All Outputs protected from short circuit and overload. Shut down until AC recycled.

Overshoot
No turn-on or turn-off overshoot.

Overvoltage Protection
All outputs excluding +5Vaux.
Unit shuts down.

Overtemperature Protection
Unit shuts down if overheated except +5Vaux.
AC must be recycled to recover.

Input/Output Isolation
4242 VDC, SELV construction.

Remote Sense (V1, V2, V3 outputs)
Up to 0.5 volts total in load.

FAN_OK_H
Monitors fan speed provides TTL Logic '1'.

PS_ON
Active HIGH signal that turns on all outputs except +5VAux.

5VAux
Standby voltage that may be used to power circuits that require power during the powered-down state of the power rails. First-On, Last-Off.

POK_H
Power Good signal asserted high when +5V and +3.3V outputs are 90% of nominal. Timing characteristics meet ATX spec.

Operating Temperature
-20°C to 50°C full output
50°C to 75°C, derate 2% /°C

Stability
0.5% for 8 hrs. after 1 hour warm-up.

Humidity
Up to 95% non-condensing.

EMI
Meets FCC Class A and EN 55022 Level A

Safety
UL 1950, CSA C22.2 No. 950, EN 60950

Size
5.05" x 4.84" x 11.81" **Weight:** 12 lbs.

REV:-