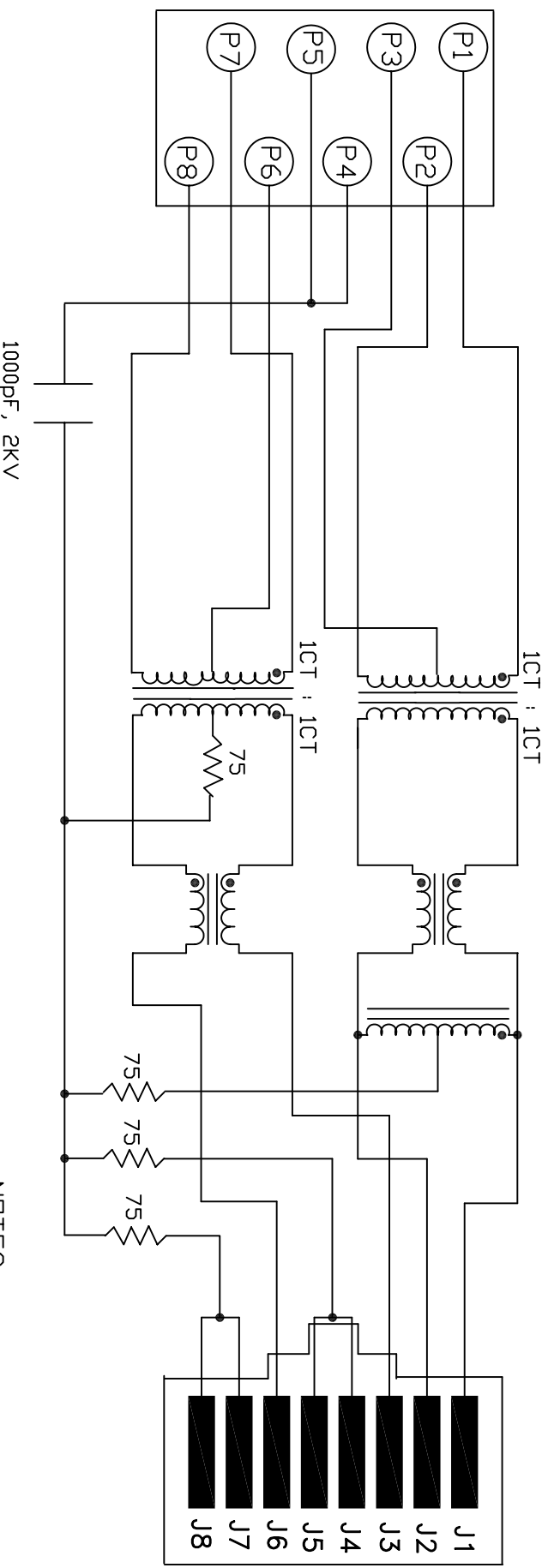




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\{P7-P6-P8\} : \{J3-J6\}$
 $\{P1-P3-P2\} : \{J1-J2\}$: 1CT : 1CT $\pm$ 3%
: 1CT : 1CT $\pm$ 3%
- 2.0 INDUCTANCE: $\{P7-P8\}$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
 $\{P1-P2\}$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: $P7-P8$ (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz
 $P1-P2$ (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: $\{P7,P6,P8\}$ TO $\{J6,J3\}$: 30pf TYP @ 1MHz
 $\{P1,P3,P2\}$ TO $\{J2,J1\}$: 30pf TYP @ 1MHz
- 5.0 DC RESISTANCE: $\{J6-J3\}=\{J2-J1\}$: 1.4 ohms Max.



NOTES
1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
2.0 ALL RESISTORS ARE $\pm$ 5% TOLERANCE.

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RECEIVE

6.0 RETURN LOSS: (P7-P8)=100 OHMS AND (P1-P2) =100 OHM REF.
1MHz TO 30MHz : -18dB MIN.
30MHz TO 60MHz : -(19-20 LOG (f/30MHz))
60MHz TO 80MHz : -12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

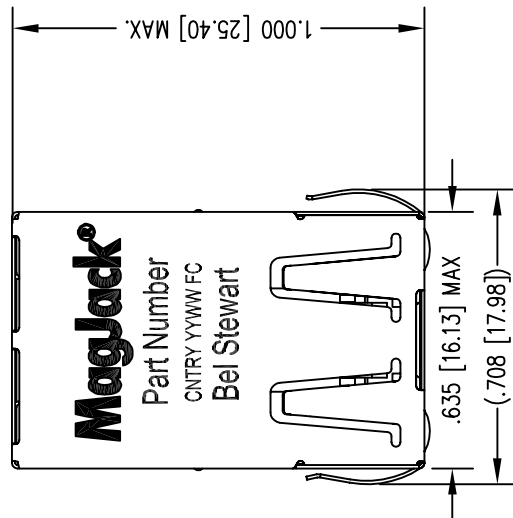
7.0 DIELECTRIC WITHSTAND: (J3, J6) TO (P7, P8) : 1500 VAC
(J1, J2) TO (P1,P2) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms : -1 dB MAX
1-65MHz

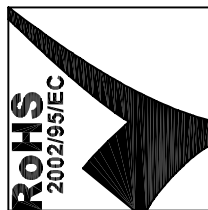
9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS : 3.0 nS MAX
OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX
PULSE WIDTH= 112nS

10.0 CROSS TALK: 1-65MHz : -35 dB MIN

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : -30dB MAX

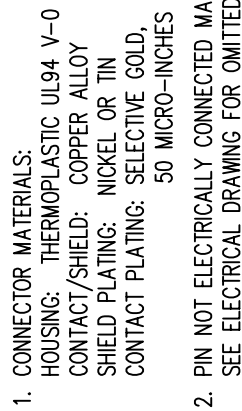


ALL CENTERLINE DIMENSIONS ARE BASIC.



Technical drawing of the rear view of the 1000 Series Power Supply. The drawing shows the internal components, including the transformer and cooling fan. Dimensions are provided in inches and millimeters.

- Overall width: $(.599 [15.21])$
- Overall height: $.550 [13.97]$ MAX
- Distance from bottom edge to the top of the internal components: $.425 [10.79]$
- Distance from the right edge to the center of the cooling fan: $.165 [4.19]$
- Distance from the right edge to the center of the transformer: $\pm .010 [0.25]$



3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.05 [0.13]
5. WAVE SOLDER COMPATIBLE – PREHEAT 125°C/90SECS.

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V

**WITH A FORWARD CURRENT OF 20 mA (TYP)

Bel Stewart Connector

11118 Susquehanna Trail, S
Glen Rock, Pa 17327-9199
717.234.7512

<http://www.stewartconnector.com>

MagJack

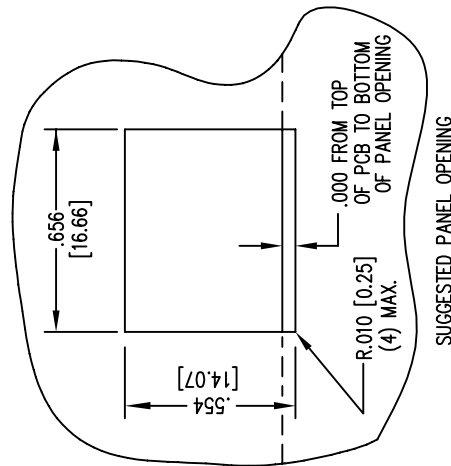
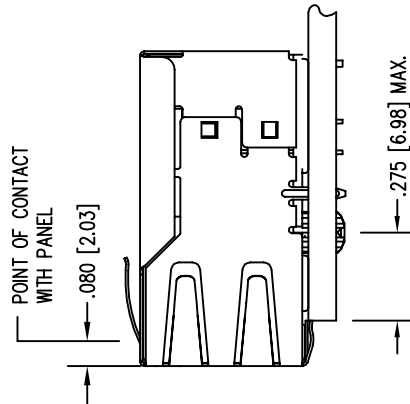
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SHEET
3 OF 4

DRAWING NO.

SI-50194-F

REV. 03



1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]

Bel Stewart Connector
11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512

MagJack®

<http://www.stewartconnector.com>

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SHEET
4 OF 4

DRAWING NO.

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