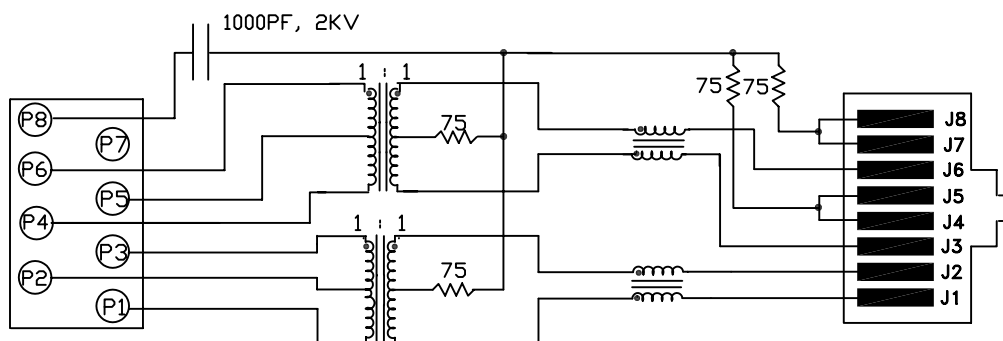
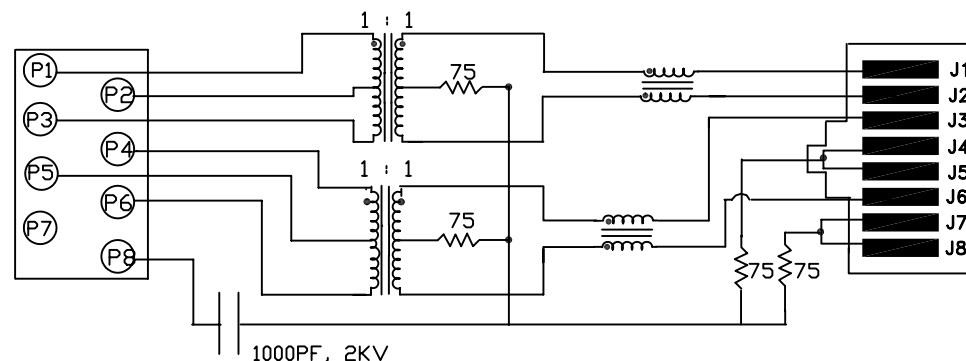


LOWER ROW



UPPER ROW



ELECTRICAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE:

: 0°C TO +70°C

1.0 TURNS RATIO: (P1-P2-P3) : (J1-J2)
(P4-P5-P6) : (J3-J6)

: 1CT : 1 ± 3%
: 1CT : 1 ± 3%

2.0 INDUCTANCE: (P6-P4)
(P3-P1)

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT)
P3-P1 (WITH J2 AND J1 SHORT)

: 0.3uH MAX. @ 1MHz
: 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3)
(P3,P2,P1) TO (J2,J1)

: 30pf TYP @ 1MHz
: 30pf TYP @ 1MHz

5.0 DC RESISTANCE: (J6-J3)=(J1-J2)
(P6-P4)
(P3-P1)

: 1.2 ohms Max.
: .55 ohms Max.
: .55 ohms Max.

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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

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DRAWING NO.

SI-30040

REV.

14

RECEIVE

6.0 RETURN LOSS: 1MHz TO 30MHz 60MHz TO 80MHz	: 18dB MIN. : 12dB MIN.
7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2) (J3, J6) TO (P3, P6)	: 1500 VAC : 1500 VAC
8.0 INSERTION LOSS: RS=RL=100 ohms 100KHz TO 100MHz	: 1.1 dB TYP
9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS OUTPUT VOLTAGE = 1 V peak PULSE WIDTH= 112nS	: 3.0 nS MAX : 3.0 nS MAX
10.0 CROSS TALK: 1MHz TO 100MHz	: 40 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: 35dB TYP

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SHEET
2 OF 4

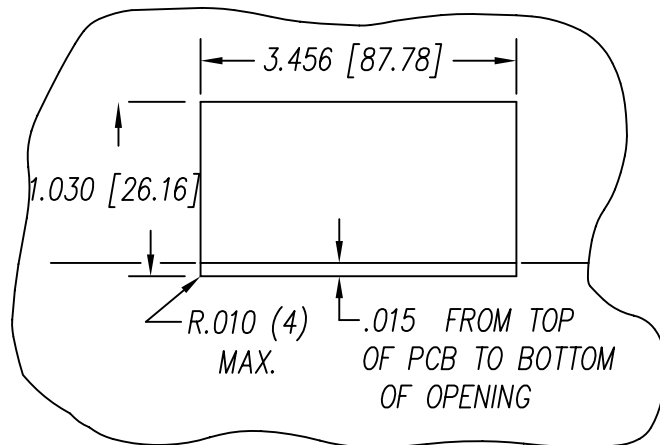
DRAWING NO. SI-30040

REV. 14

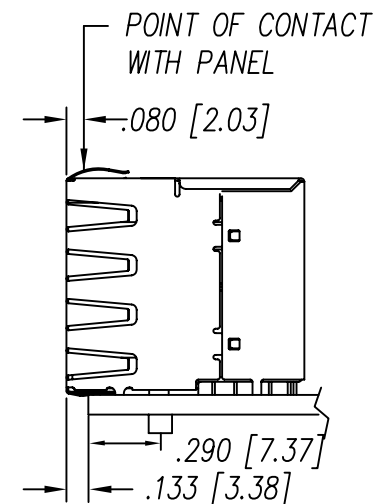
1. CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V--0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]
5. WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.



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SUGGESTED PANEL OPENING



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 ± 0.005 [0.13]

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SHEET
4 OF 4

DRAWING NO.

SI-30040

REV.
07