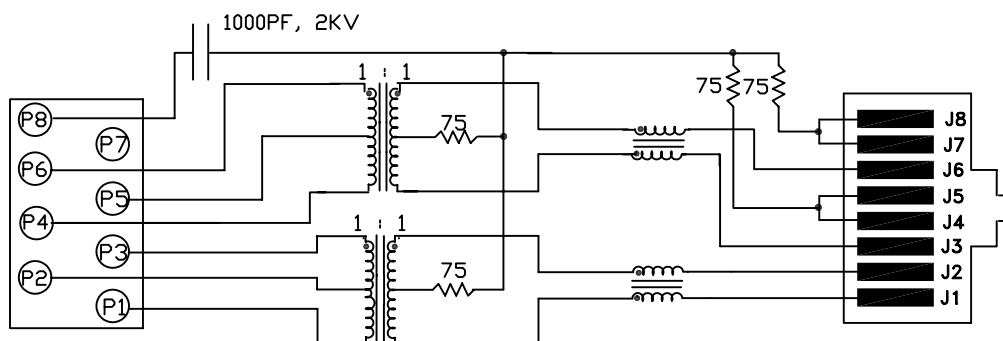
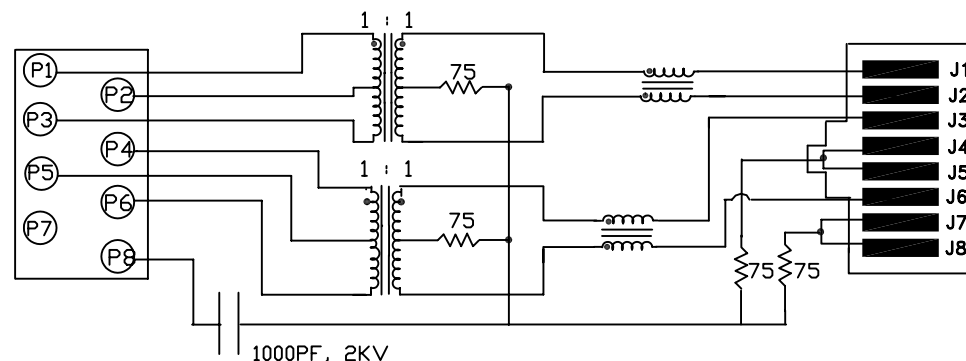


LOWER ROW



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
1 OF 4

DRAWING NO.

SI-30055

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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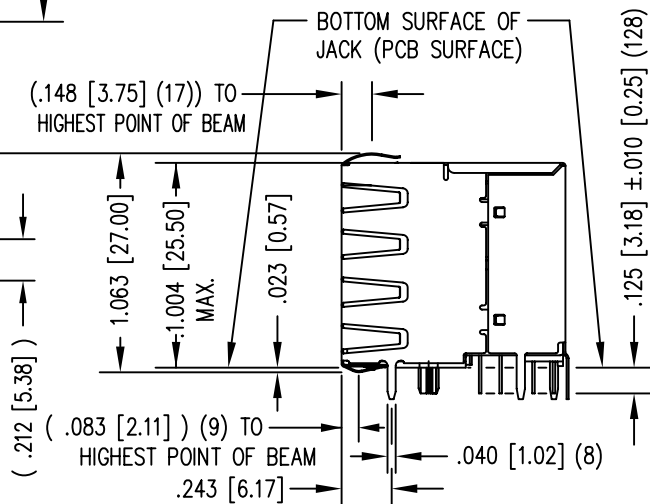
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SHEET 2 OF 4

DRAWING NO. SI-30055

REV. 14

SHIELDING: "PG4-05" EMI-RFI 2 PIECE SHIELDED, ESD GROUNDED

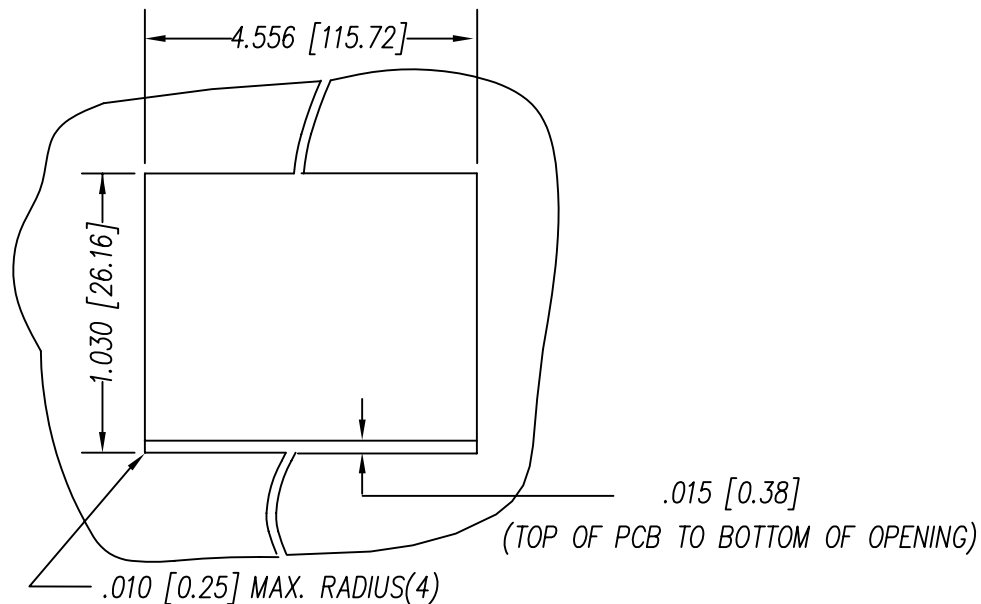


50 MICRO-INCHES MIN. IN CONTACT AREA.

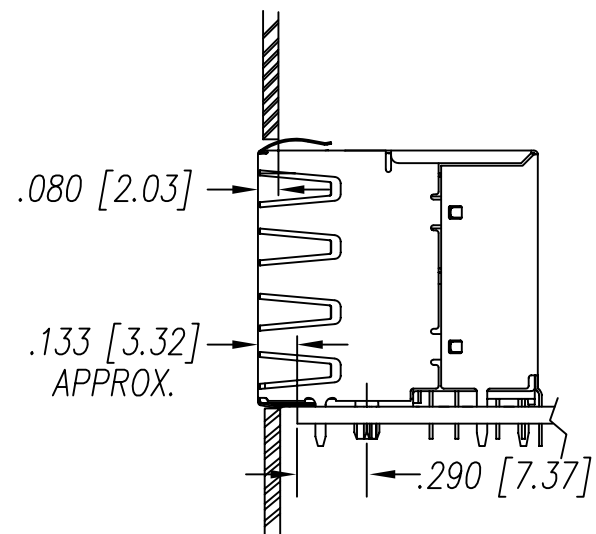
5. WAVE SOLDER COMPATIBLE. REHEAT 125°C/255°F.

DRAWING NO.	SI-30055	REV.	10
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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-30055

REV. 10