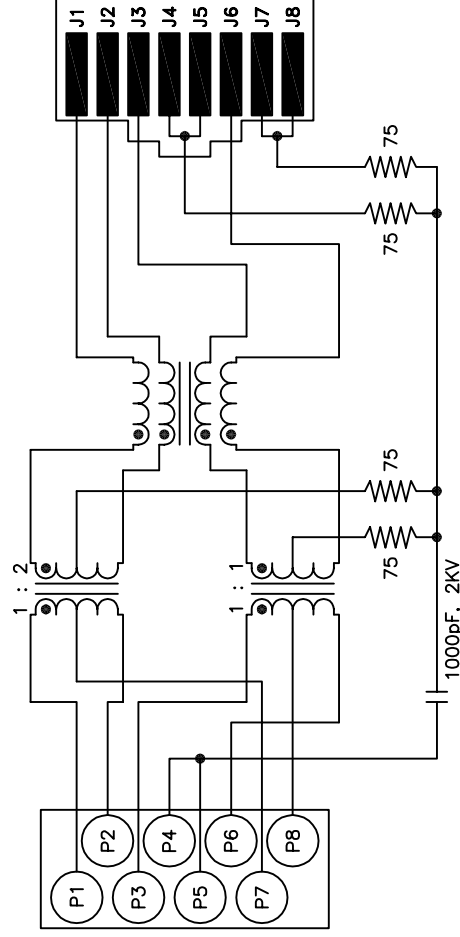




ELECTRICAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE:

1.0 TURNS RATIO: (P6-P8-P3) : (J6-J3)
(P2-P7-P1) : (J2-J1)

2.0 INDUCTANCE: (P6-P3)=(J6-J3)
(P2-P1)
(P6-P3)=(J6-J3)
(P2-P1)

3.0 LEAKAGE INDUCTANCE: P6-P3 (WITH J6 AND J3 SHORT)
P2-P1 (WITH J2 AND J1 SHORT)

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

5.0 DC RESISTANCE: (J6-J3)=(J2-J1)
(P6-P8)=(P8-P3)
(P2-P7)=(P7-P1)

6.0 DIELECTRIC WITHSTAND: (P6,P3) TO (J6,J3)
(P2,P1) TO (J2,J1)

NOTES

1.0 PINS WITHOUT ELECTRICAL
CONNECTION ARE OMITTED.

: -40°C TO +85°C

: 1CT : 1 ±3%
: 1CT : 2 ±3%

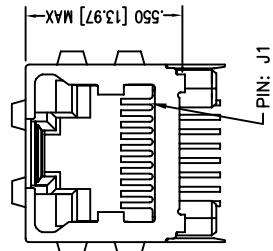
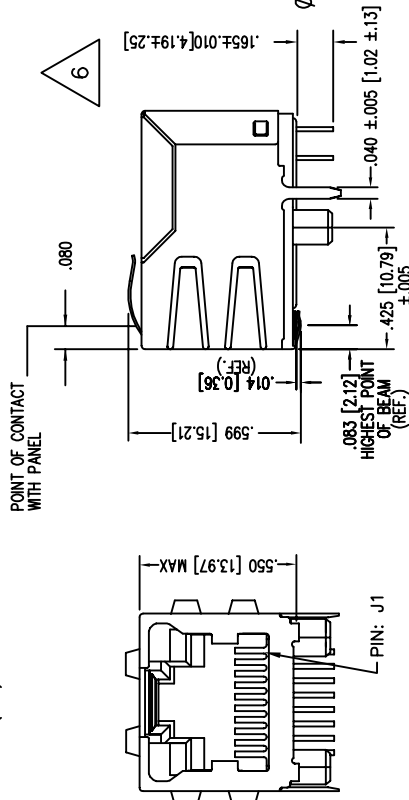
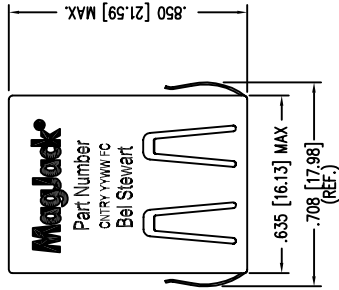
: 170uH MIN. @ 0.01V, 10KHz, ROOM TEMPERATURE
: 26uH MIN. @ 0.01V, 10KHz, ROOM TEMPERATURE
: 98uH MIN. @ 0.01V, 10KHz , -40°C TO +85°C
: 18uH MIN. @ 0.01V, 10KHz , -40°C TO +85°C

: 0.3uH MAX. @ 1MHz
: 0.08uH MAX. @ 1MHz

: 10pf MAX @ 1MHz
: 8pf MAX. @ 1MHz

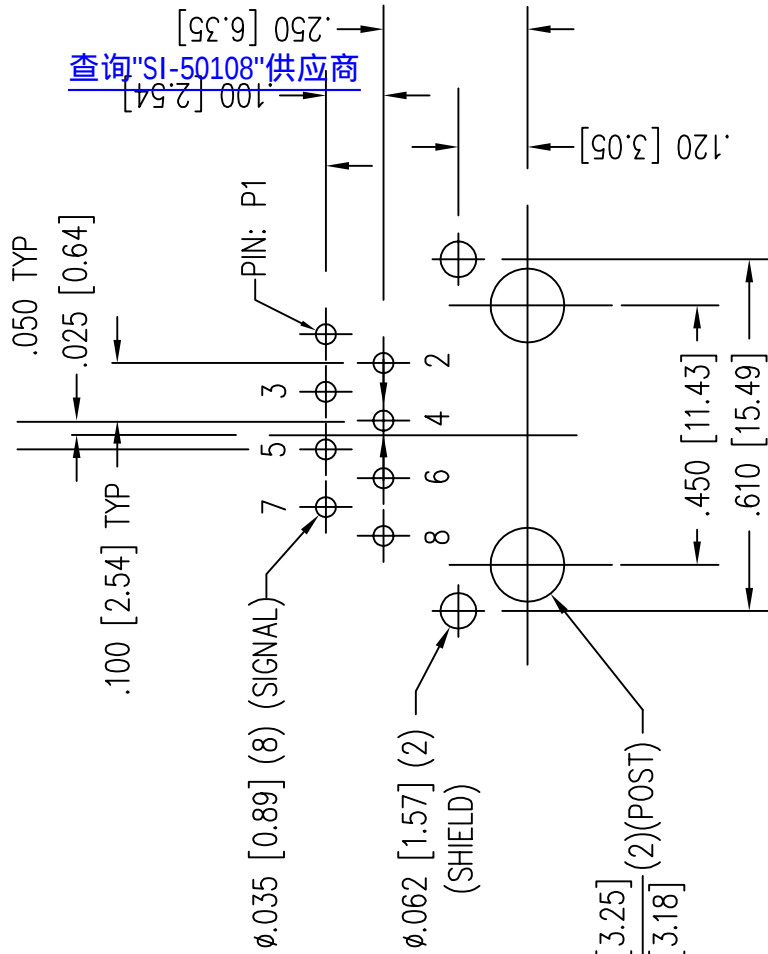
: 0.7 ohms Max.
: 0.3 ohms Max.
: 0.3 ohms Max.

: 1500VAC
: 1500VAC



NOTES:

- 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.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.
HIGH TEMPERATURE REFLOW COMPATIBLE - 230°C/90 SEC MAX.



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE $\pm .003$ [0.08] UNLESS OTHERWISE SPECIFIED

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

MagJack®

<http://www.stewartconnector.com>

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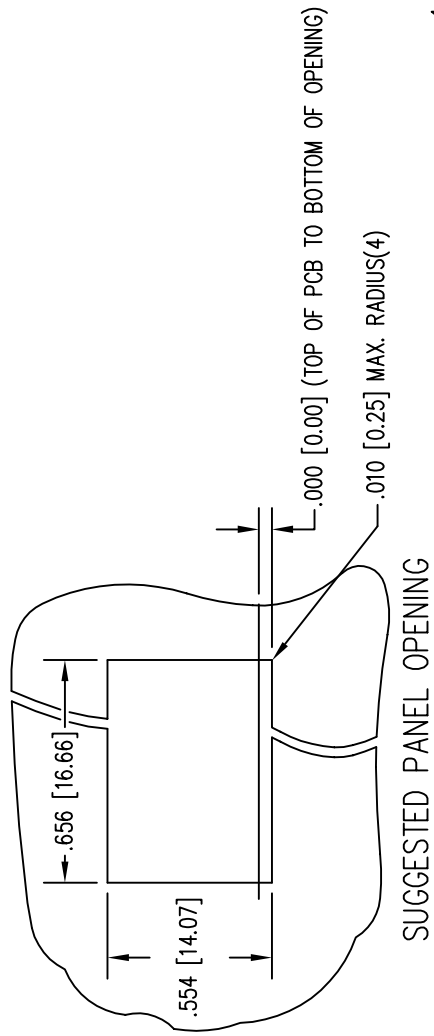
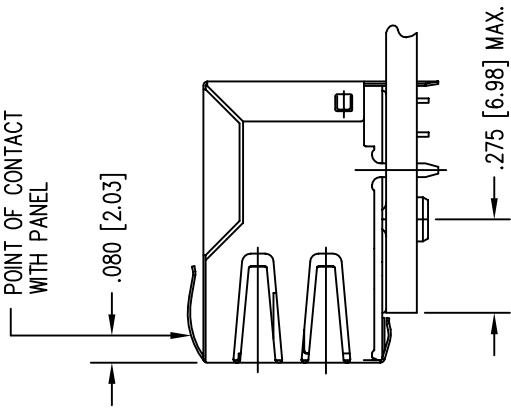
SHEET
2 OF 3

DRAWING NO.

SI-50108

REV.

04



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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