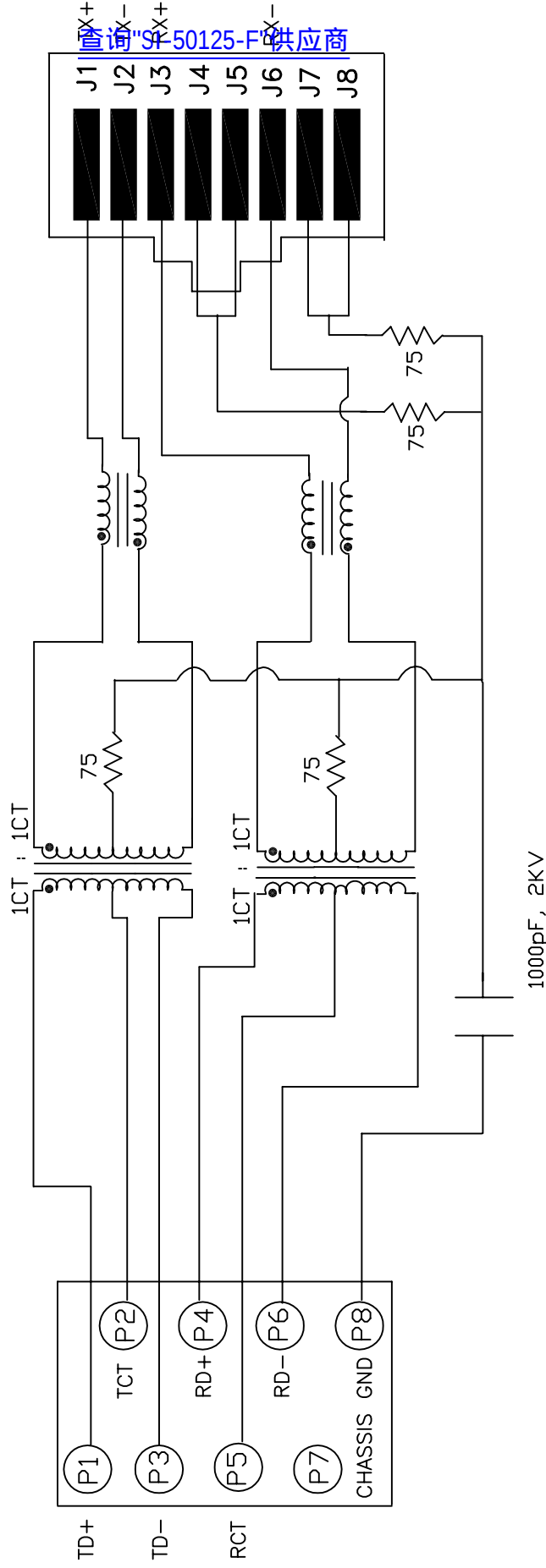
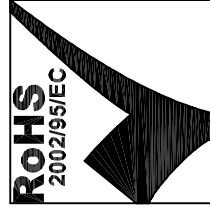




NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.



ELECTRICAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE:

1.0 TURNS RATIO: {P4-P5-P6} : {J3-J6}
{P3-P2-P1} : {J1-J2}

2.0 INDUCTANCE: {P6-P4}
{P3-P1}

3.0 LEAKAGE INDUCTANCE: P6-P5-P4 {WITH J6 AND J3 SHORT}
P3-P2-P1 {WITH J2 AND J1 SHORT}

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

5.0 DC RESISTANCE: {J6-J3}={J2-J1}

: -40°C TO +85°C

: 1CT : 1CT ±3%
: 1CT : 1CT ±3%

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias, -40°C TO +85°C
: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias, -40°C TO +85°C

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

: 35pF MAX @1 MHz
: 35pF MAX @1 MHz

: 1.2 ohms Max.

Bel Stewart Connector
11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512
<http://www.stewartconnector.com>

MagJack®

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SHEET
1 OF 4

DRAWING NO.

SI-50125-F

REV.

02

RECEIVE

6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.
1MHz TO 30MHz
30MHz TO 80MHz

: 18dB MIN.
: 12dB MIN.

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3)
(J3, J6) TO (P4, 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

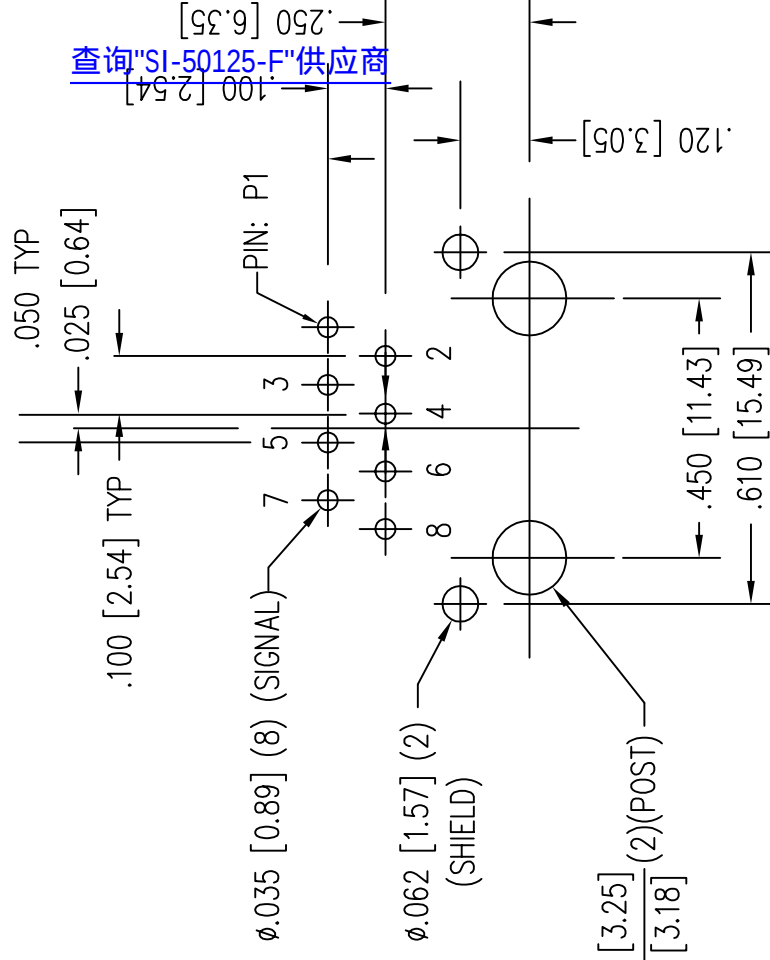
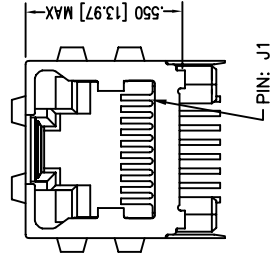
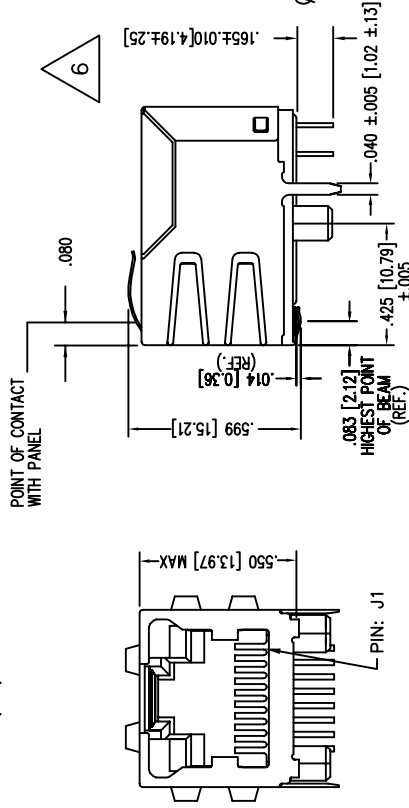
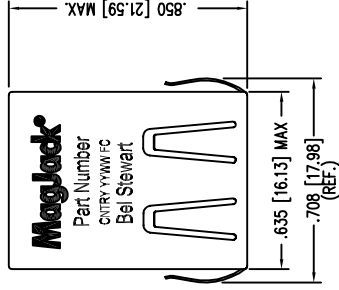
: 3.0 nS MAX
: 3.0 nS MAX

10.0 CROSS TALK: 1-100 MHz

: 30 dB TYP

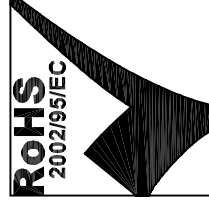
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz

: 35dB TYP



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

TOLERANCE $\pm .003$ [0.08] UNLESS OTHERWISE SPECIFIED



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.

NOTE SPECIAL LEAD LENGTH

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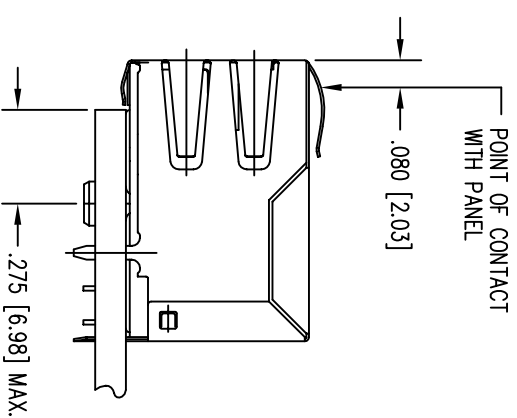
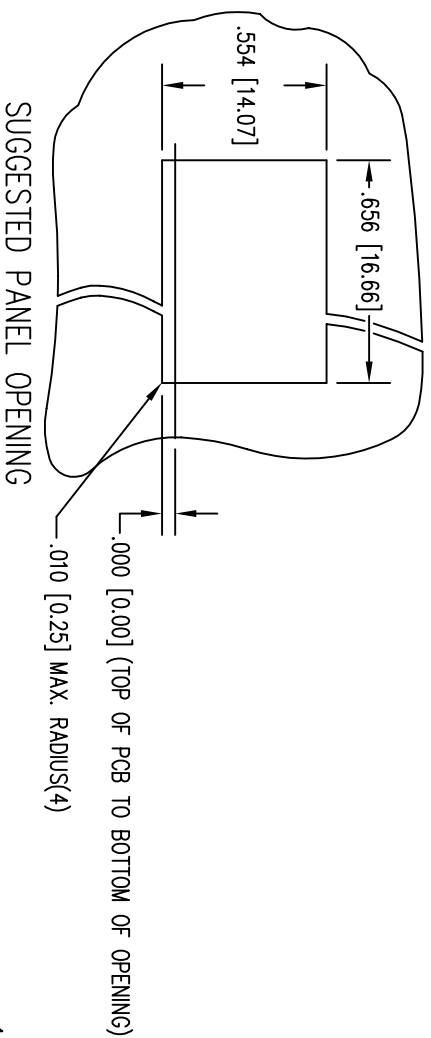
SHEET
3 OF 4

DRAWING NO.

SI-50125-F

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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]

[查询"SI-50125-F"供应商](#)

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4 OF 4

DRAWING NO.
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