

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P7-P6-P8) : (J3-J6) (P1-P3-P2) : (J1-J2) : 1CT : 1CT± 3% : 1CT : 1CT ± 3%

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 INDUCTANCE: (P7-P8)

(P1-P2)

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

3.0 LEAKAGE INDUCTANCE: P8-P6-P7 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz P2-P3-P1 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P8,P6,P7) TO (J6,J3) (P2,P3,P1) TO (J2,J1) : 30pf MAX @ 1MHz : 30pf MAX @ 1MHZ

5.0 DC RESISTANCE: (J6-J3)=(J2-J1)

: 1.2 ohms Max.

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

SHEET

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6.0 RETURN LOSS: (P7-P8)=100 OHMS AND (P1-P2)=100 OHM REF.

1MHz TO 30MHz : 18dB MIN. 30MHz TO 80MHz : 12dB MIN.

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

: 1500 VAC 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2)

(J3, J6) TO (P7,P8) : 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

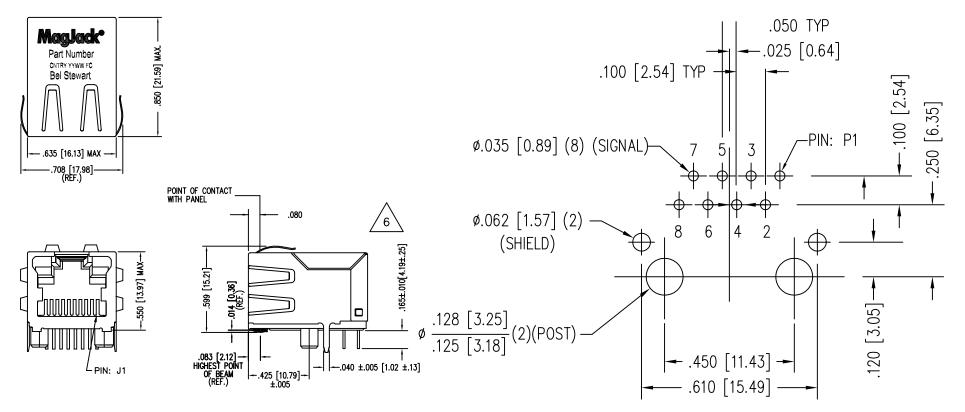
: 3.0 nS MAX OUTPUT VOLTAGE = 1 V peakPULSE WIDTH= 112nS : 3.0 nS MAX

10.0 CROSS TALK: 1-100 MHz : 30 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 35dB TYP

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NOTES:

1. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC UL94 V-O 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.
- 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. HIGH TEMPERATURE REFLOW COMPATABLE - 230°C/90 SEC MAX.

6 NOTE SPECIAL LEAD LENGTH

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

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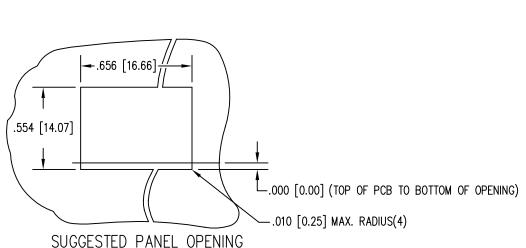
MagJack[®]

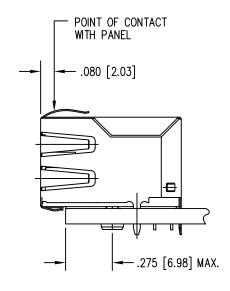
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- 1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

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