

ELECTRICAL SPECIFICATIONS:

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

: 1CT : 1CT± 3% : 1CT : 1CT ± 3% NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 INDUCTANCE: (P5-P6)

(P1-P2)

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

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

P2-P3-P1 (WITH J2 AND J1 SHORT)

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

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

(P5,P6,P4) 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

http://www.stewartconnector.com

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SI - 5005

RECEIVE

6.0 RETURN LOSS: (P5-P6)=100 OHMS AND (P1-P2)=100 OHM REF.

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

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P5, P6) : 1500 VAC

(J3, J6) TO (P1,P2) : 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 : 3.0 nS MAX PULSE 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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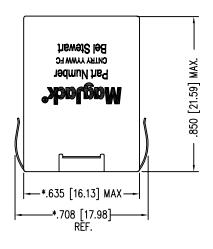
magyack*

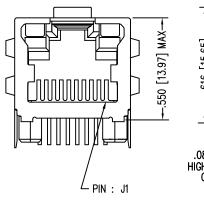
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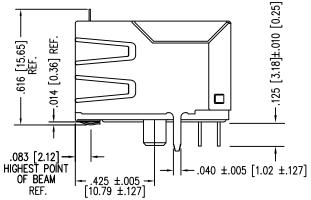
SHEET 2 OF 4

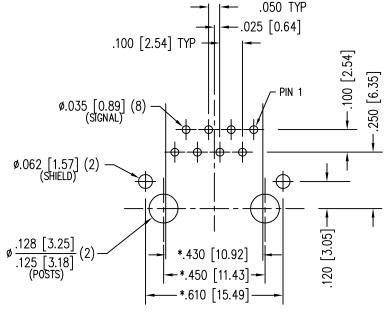
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1-50053 REV. 0^{-2}









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

NOTES:

- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS
- DIMENSIONS SHOWN WITH "*" TO BE CENTRAL ABOUT CENTER LINE
- DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
 SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- STANDARD 50 MICRO-INCH SELECTIVE GOLD PLATING

CT750006

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MagJack

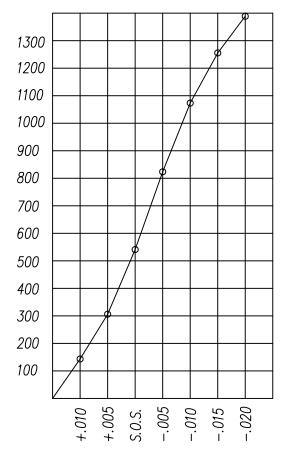
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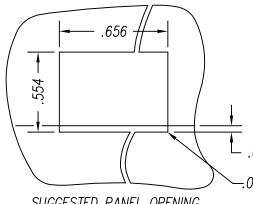
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SI-50053 REV. 04

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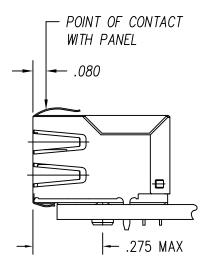
PANEL GROUNDING BEAM DEFLECTION S.O.S. = SUGGESTED OPENING SIZE



.000 (TOP OF PCB TO BOTTOM OF OPENING) –.010 MAX. RADIUS(4)

SUGGESTED PANEL OPENING

CT720034X1/24-001302



THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY. THESE VARIABLES CAN BE ADJUSTED IN EITHER DIRECTION BUT MAY CARRY SOME CONSEQUENCES IN THE FORM OF LOWER MATING FORCES OR TIGHTER ASSEMBLY TOLERANCES. FORCE VALUES ON THE GRAPH ARE GENERAL AVERAGES TAKEN AT THE POINT OF CONTACT SHOWN ABOVE. THE SUGGESTED PANEL OPENING INCLUDES APPROXIMATELY .020 CLEARANCE ON THE SIDES AND TOP AND .013 ON THE BOTTOM, AT PANEL OPENING.

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