

ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $(P4-P5-P6) : (J3-J6)$: 1CT : 1CT ± 3%
 $(P3-P2-P1) : (J1-J2)$: 1CT : 1CT ± 3%
- 2.0 INDUCTANCE: $(J3-J6)$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
 $(P3-P1)$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: $P6-P5-P4$ (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHz
 $P3-P2-P1$ (WITH J2 AND J1 SHORT) : 0.3 MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: $(P6,P5,P4)$ TO $(J6,J3)$: 30pf MAX @ 1MHz
 $(P3,P2,P1)$ TO $(J2,J1)$: 30pf MAX. @ 1MHz
- 5.0 DC RESISTANCE: $(J6-J3)=(J2-J1)$: 1.2 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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RECEIVE

- 6.0 RETURN LOSS: (J3-J6)=100 OHMS AND (P1-P3)=100 OHM REF.
1MHz TO 30MHz : 18dB MIN.
30MHz TO 80MHz : 12dB MIN.
NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (P6-P4).
- 7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 VAC
(J3, J6) TO (P4,P6) : 1500 VAC
- 8.0 INSERTION LOSS: RS=RL=100 ohms : 1.1 dB TYP
100KHz TO 100MHz
- 9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS : 3.0 nS MAX
OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX
PULSE WIDTH= 112nS
- 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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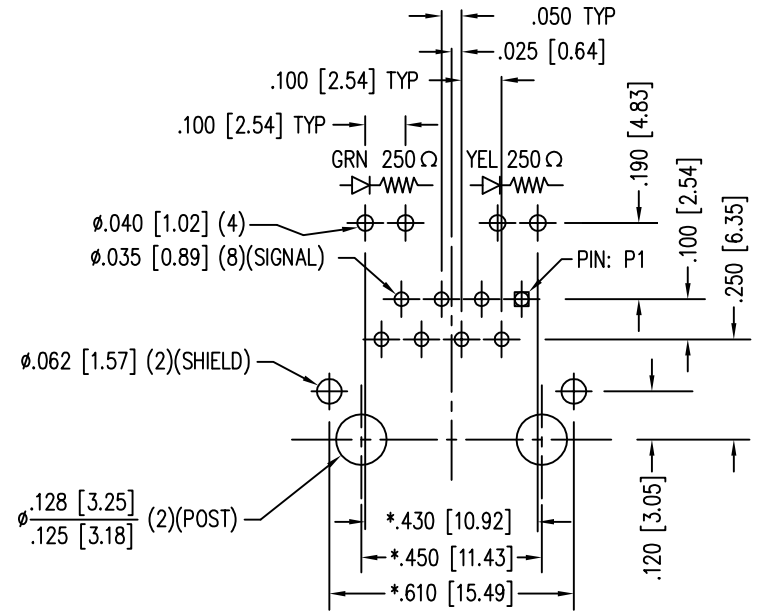
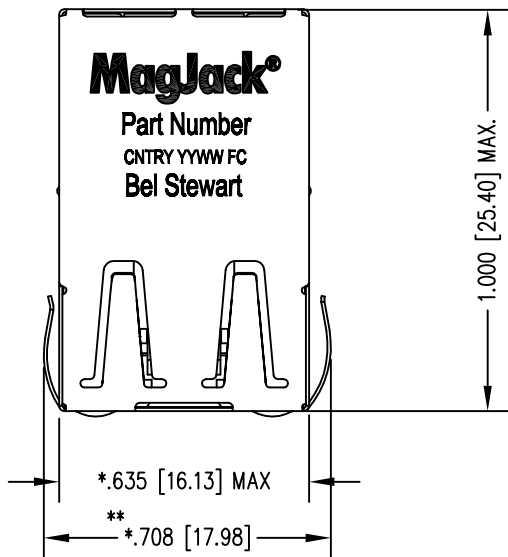
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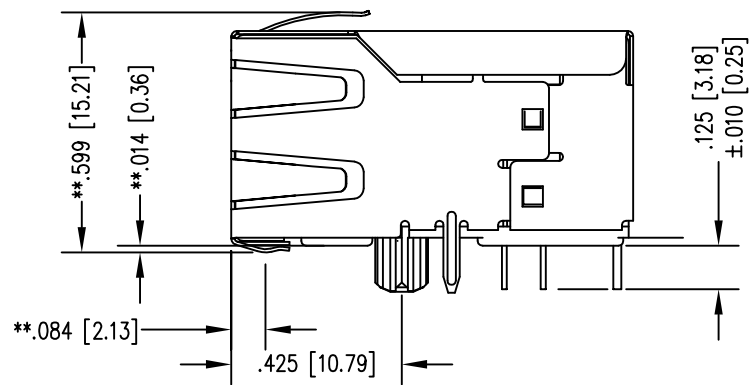
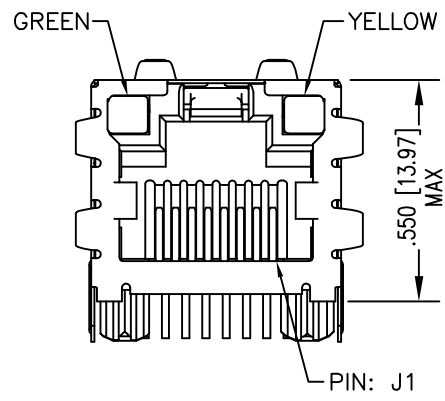
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P.C.B. RECOMMENDED HOLE LAYOUT
 SEEN FROM COMPONENT SIDE
 TOLERANCE $\pm .003 [0.08]$ UNLESS OTHERWISE SPECIFIED

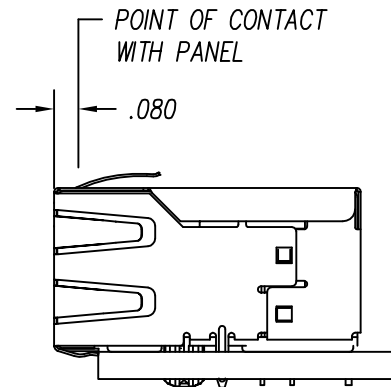
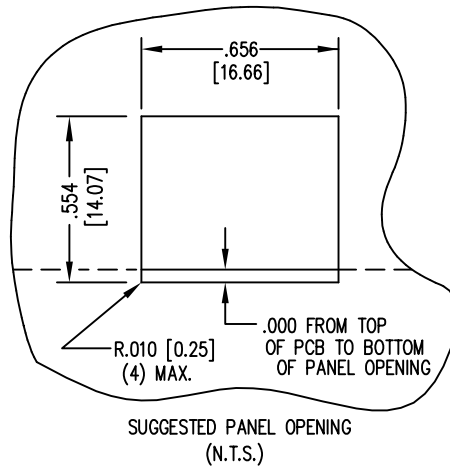


- NOTES:
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS
 - DIMENSIONS SHOWN WITH "*" TO BE CENTRAL ABOUT CENTER LINE
 - DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE.
 - PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED. SEE ELECTRICAL DRAWING FOR OMITTED PINS.
 - STANDARD 50 MICRO-INCH SELECTIVE GOLD PLATING
 - REFLOW COMPATIBLE - 230°C/90 SEC.
 - ALL POLYMERS FLAMMABILITY - UL94V0

MI50005/24-0266 X

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