

## **ELECTRICAL SPECIFICATIONS:**

1.0 INDUCTANCE: (P1-P3)

(P4-P6)

350uH M:IN. @ 0.1V, 100KHz, 8mA DC Bias 350uH M:N. @ 0.1V, 100KHz, 8mA DC Bias

2.0 TURNS RATIO: (P1-P3) : (J1-J2) (P4-P6) : (J3-J6)

1CT : 1CT± 3% 1CT : 1CT ± 3% 1.0 DESIGNED TO PROTECT AGAINST GR1089 INTRABUILDING AND ESD SURGES.

2.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

3.0 ALL RESISTORS ARE ±5% TOLERANCE.

**Bel Stewart Connector** 

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

http://www.stewartconnector.com

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3.0 DC RESISTANCE: (J6-J3); (J2-J1) : 1.5 ohms Max.

4.0 RETURN LOSS: (P4-P6) @100 OHMS AND (P1-P3) @100 OHM REF.

1MHz TO 30MHz : -18dB MIN.

: -(19-20 LOG (F/30MHz)) 30MHz TO 60MHz

60MHz TO 80MHz : 12dB MIN.

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

5.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 VAC : 1500 VAC

(J3, J6) TO (P4,P6)

6.0 INSERTION LOSS: RS=RL=100 ohms

1-65MHz : -1 dB MAX

7.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS

OUTPUT VOLTAGE = 1 V peak: 3.0 nS MAX : 3.0 nS MAX PULSE WIDTH= 112nS

8.0 CROSS TALK: 1-65MHz : -35 dB MIN

: -30dB MAX 9.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz

100MHz TO 130MHz : -20dB MAX

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SHEET

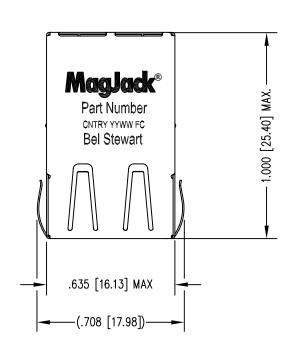
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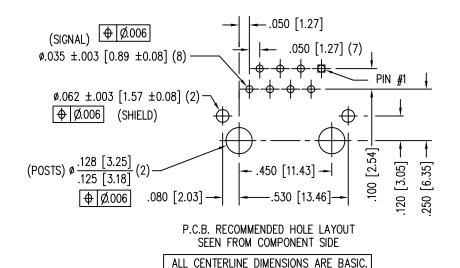
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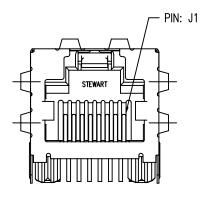
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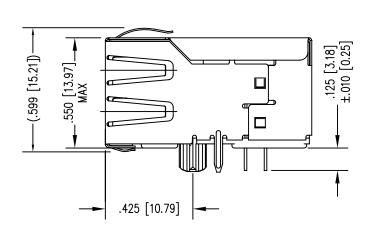
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## NOTES:

1. 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.

- 2. 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 ±.005 [0.13]
- 5. WAVE SOLDER COMPATIBLE PREHEAT 125°C/90SECS. HIGH TEMPERATURE REFLOW COMPATABLE - 230°C/90 SEC MAX.

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MagJack

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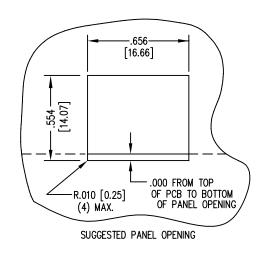
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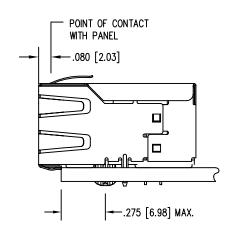
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- 1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

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<sup>∞.</sup> SI−5302:

3022 REV. 06