

## NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 ALL RESISTORS ARE ±5% TOLERANCE.

RoHS

2002/95/EC

## **ELECTRICAL SPECIFICATIONS:**

1.0 TURNS RATIO: (P8-P6-P7) : (J6-J3) : 1CT : 1 ±2% (P2-P3-P1) : (J2-J1) : 1CT : 1 ±2%

2.0 INDUCTANCE: (P7-P8) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bigs (P1-P2) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bigs

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

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

5.0 DC RESISTANCE: (J1-J2) : 1.2 ohms Max. (J3-J6) : 1.2 ohms Max.

6.0 RETURN LOSS: (P1-P2)=100 OHMS AND (P7-P8)=100 OHMS REFERENCE

1MHz TÓ 30MHz : -18dB MIN.

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

60MHz TO 80MHz : -12dB MIN.

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2) : 1500 VAC (J3, J6) TO (P8, P7) : 1500 VAC

8.0 INSERTION LOSS: 1MHz TO 65MHz : -1.0 dB MAX 65MHz TO 100MHz : -1.1 dB MAX

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

10.0 CROSS TALK: 1-100 MHz : -35 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : -45dB TYP

100MHz TO 200MHz : -20dB MIN

Bel Stewart Connector 11118 Susquehanna Trail. South

Glen Rock, Pa 17327-9199

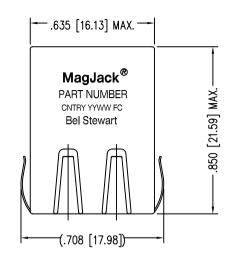
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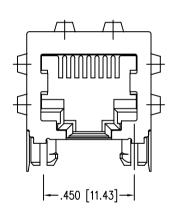
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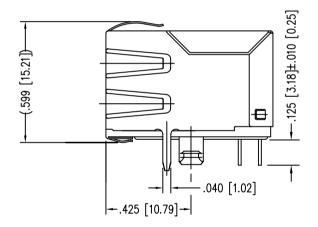
DRAWING NO. OF 3

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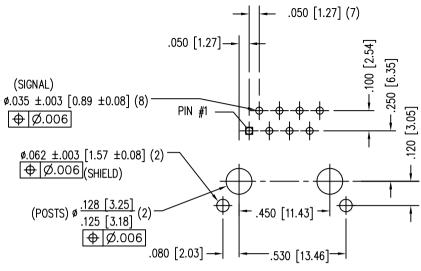
SI-60203-F











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

ALL CENTERLINE DIMENSIONS ARE BASIC.

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

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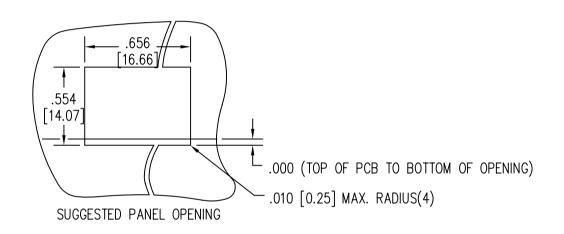
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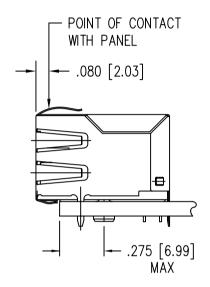
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- 1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

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