

## **ELECTRICAL SPECIFICATIONS:**

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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

: 1CT : 1CT± 3% : 1CT : 1CT ± 3%

(P6-P4) (P3-P1) 2.0 INDUCTANCE:

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

3.0 LEAKAGE INDUCTANCE: P6-P5-P4 (WITH J6 AND J3 SHORT) P3-P2-P1 (WITH J2 AND J1 SHORT)

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

4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3) (P3,P2,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

http://www.stewartconnector.com

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<u>RECEIVE</u>

6.0 RETURN LOSS: (P6-P4)=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 (J6-J3).

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 VAC (J3, J6) TO (P4,P6) : 1500 VAC

(03, 00) 10 (F4,F0)

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

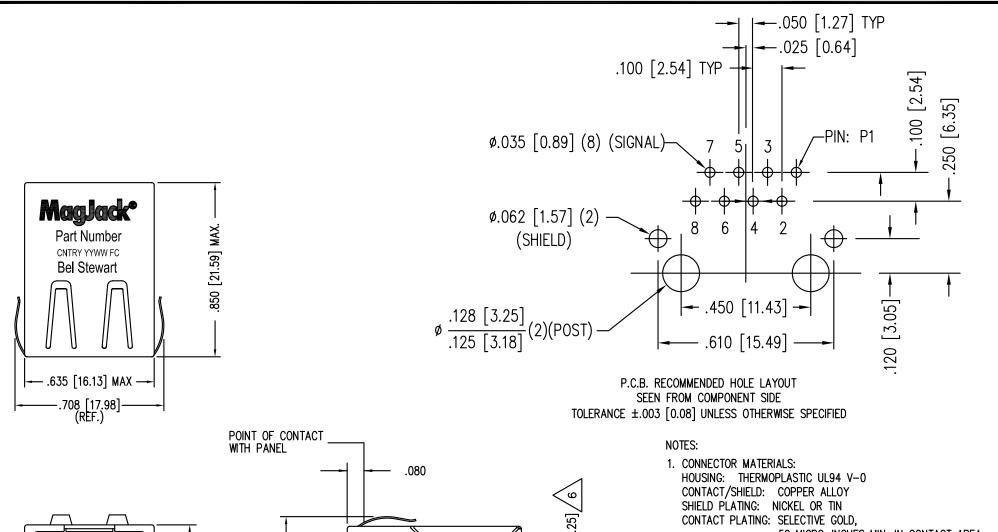
10.0 CROSS TALK: 1-100 MHz : 30 dB TYP

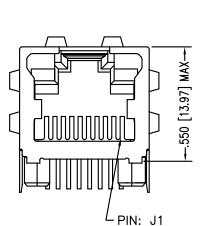
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 35dB TYP

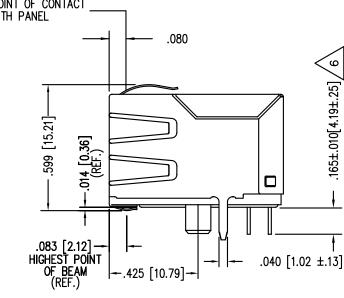
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50 MICRO-INCHES MIN. IN CONTACT AREA.

- 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 COMPATIBLE - 230°C/90 SEC MAX. NOTE SPECIAL LEAD LENGTH

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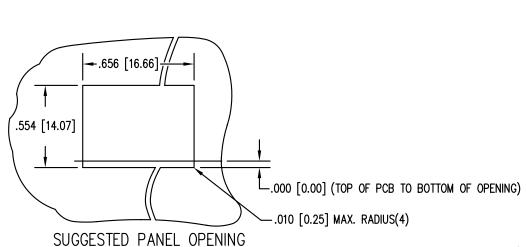
http://www.stewartconnector.com

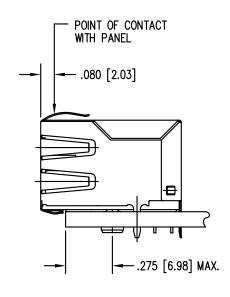
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- 1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

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