

NOTES
 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ELECTRICAL SPECIFICATIONS:

CURRENT CAPABILITY: : 350 mA MAX.

1.0 TURNS RATIO: (P6-P5-P4) : (J6-J3) : 1CT ± 3%
 (P3-P2-P1) : (J2-J1) : 1CT ± 3%

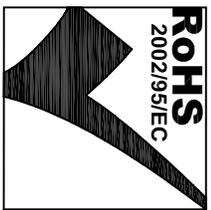
2.0 INDUCTANCE: (P6-P4) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
 (P3-P1) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHZ
 P3-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.

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Bel Stewart Connector
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 Glen Rock, Pa 17327-9199
 717.234.7512
<http://www.stewartconnector.com>

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RECEIVE

6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.
1MHZ TO 30MHZ : 18dB MIN.
60MHZ 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

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: 1MHZ TO 100MHZ : 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHZ TO 100MHZ : 35dB TYP

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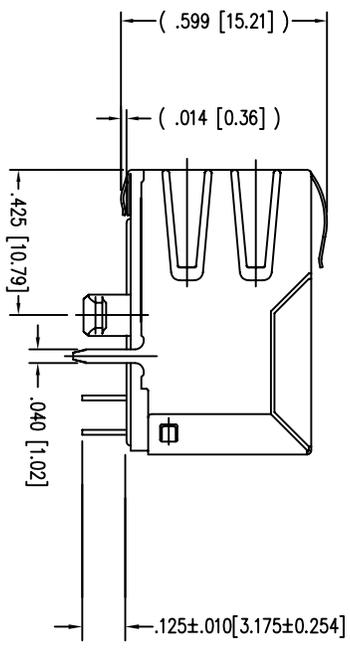
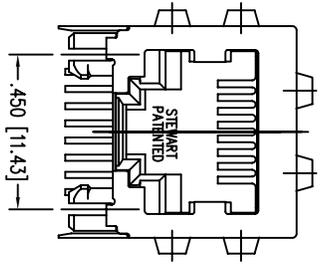
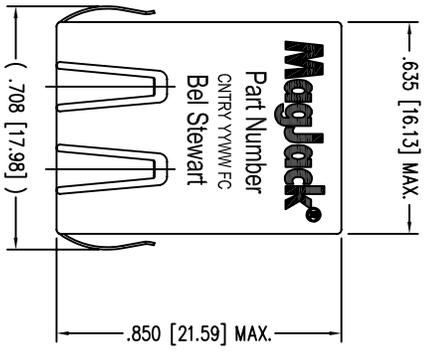
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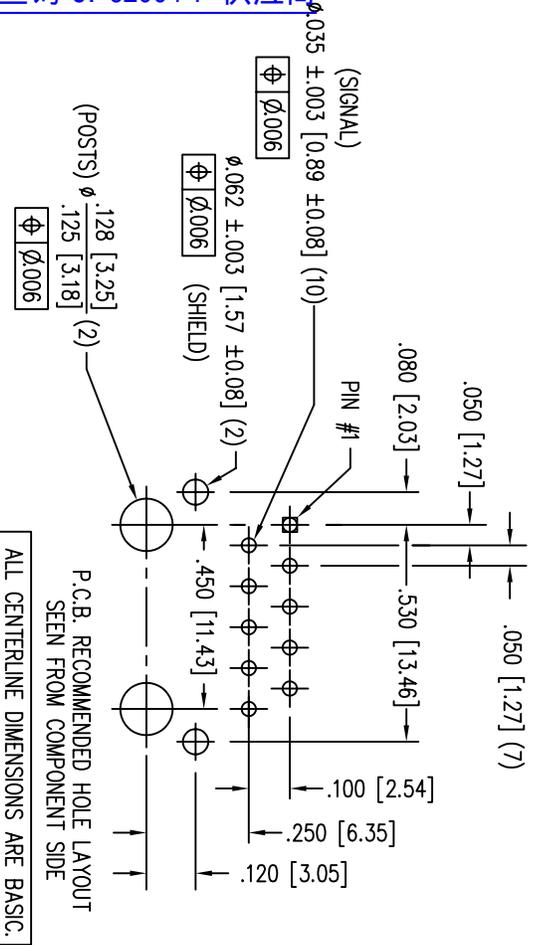
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REV.
04



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- NOTES:
- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC U94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
 - PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
 - TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
 - ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
 - REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

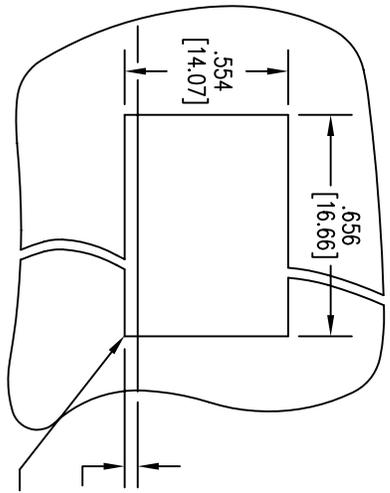


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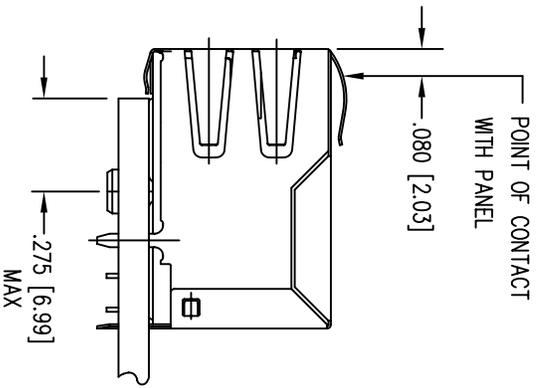
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SUGGESTED PANEL OPENING

.010 [0.25] MAX. RADIUS(4)
 .000 (TOP OF PCB TO BOTTOM OF OPENING)



POINT OF CONTACT WITH PANEL

THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

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