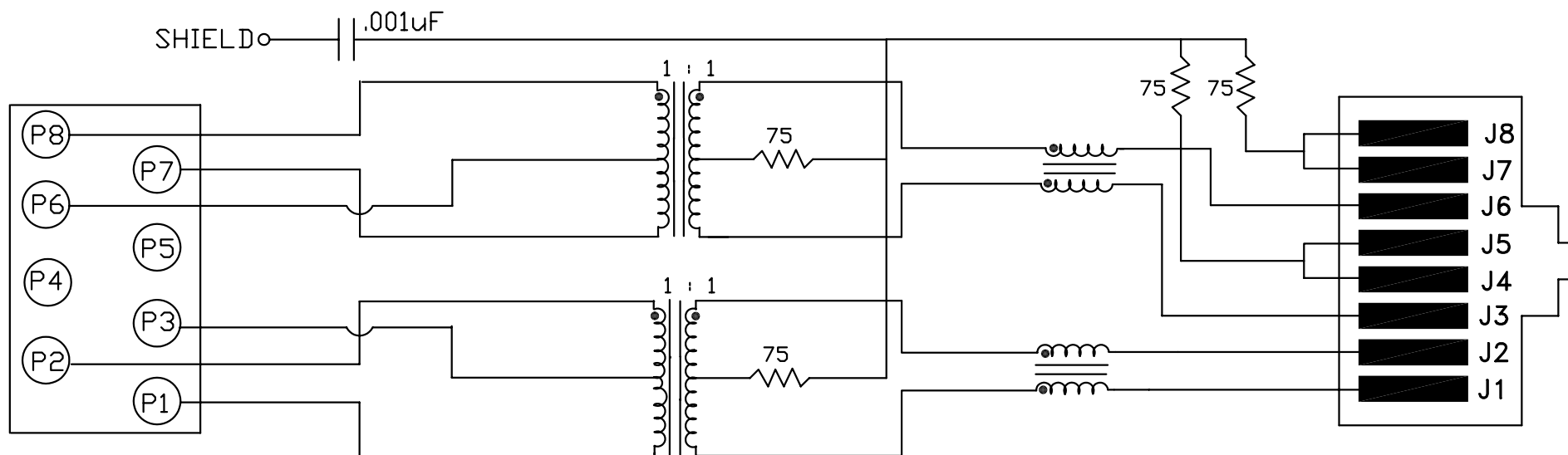


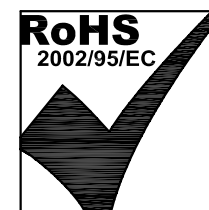


ELECTRICAL SPECIFICATIONS:

- | | | |
|-----|--|--|
| 1.0 | Turns Ratio: (P8-P6-P7) : (J6-J3) | : 1CT : 1CT $\pm 3\%$ |
| | (P2-P3-P1) : (J2-J1) | : 1CT : 1CT $\pm 3\%$ |
| 2.0 | Inductance: (P8-P7) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| | (P2-P1) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 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: (P6,P7,P8) TO (J6,J3) | : 30pf MAX @ 1MHz |
| | (P3,P2,P1) TO (J2,J1) | : 30pf MAX @ 1MHz |
| 5.0 | DC Resistance: (J6-J3)=(J2-J1) | : 1.0 ohms Max. |

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.



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<http://www.stewartconnector.com>

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REV.
02

RECEIVE

6.0 RETURN LOSS: 1MHz TO 30MHz : 18dB MIN.
30MHz TO 60MHz : 12dB MIN.

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1,P2,P3) : 1500 VAC
(J3, J6) TO (P6,P7,P8) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms : 1.1 dB TYP.
100 KHz TO 100 MHz

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS : 5.0 nS MAX
OUTPUT VOLTAGE = 1 V peak : 5.0 nS MAX
PULSE WIDTH= 112nS

10.0 CROSS TALK: 1-100 MHz : 40 dB TYP

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

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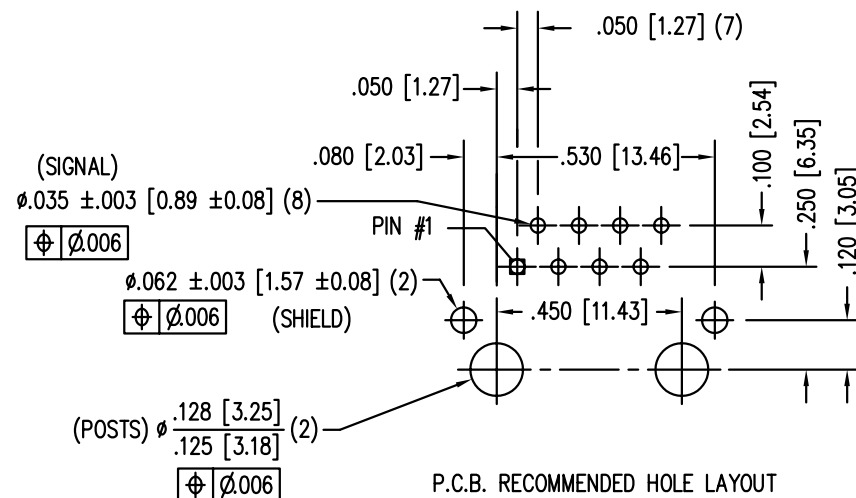
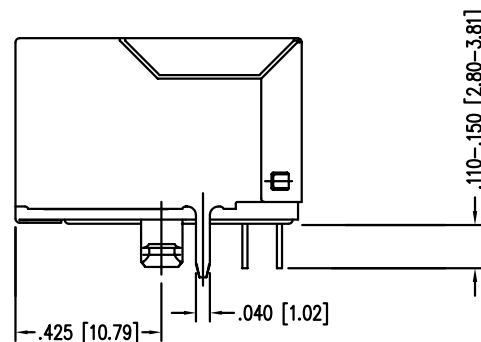
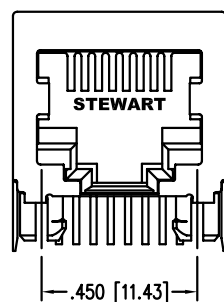
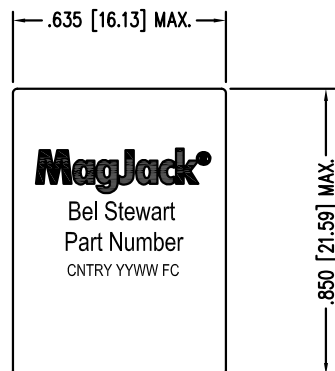
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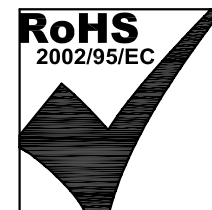
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P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

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 ± 0.005 [0.13]
5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR
10 SECONDS MAX.

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