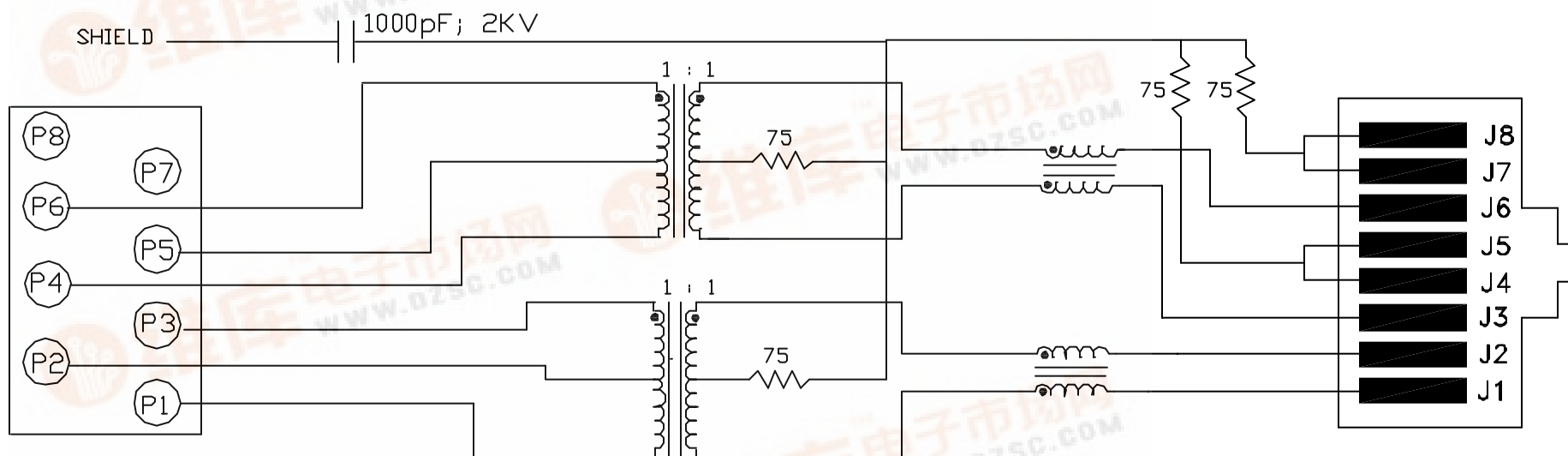


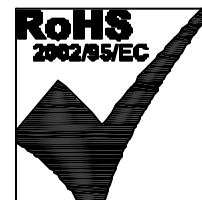


ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\{P6-P5-P4\} : \{J6-J3\}$: 1CT : 1CT $\pm 3\%$
 $\{P3-P2-P1\} : \{J2-J1\}$: 1CT : 1CT $\pm 3\%$
- 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.

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.



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RECEIVE

6.0 RETURN LOSS: 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

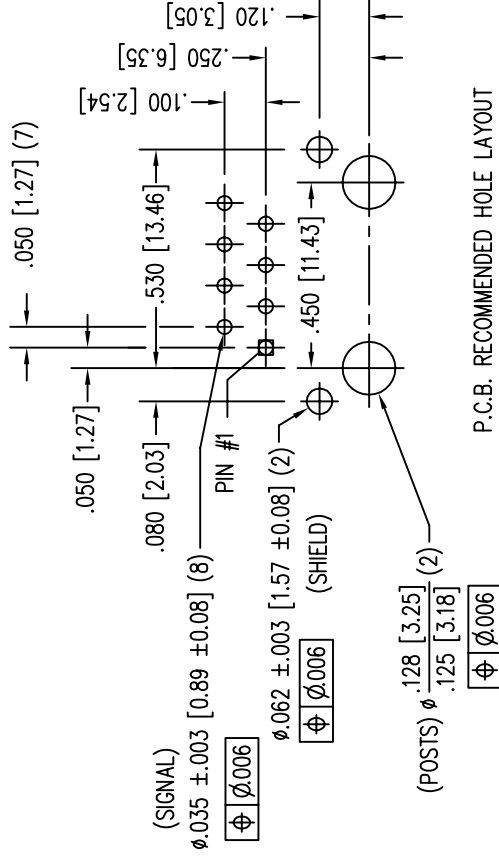
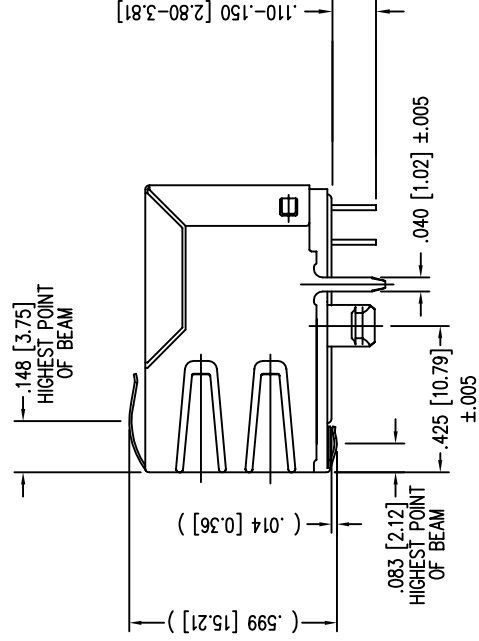
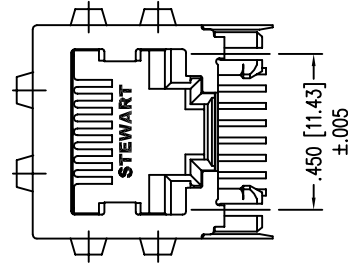
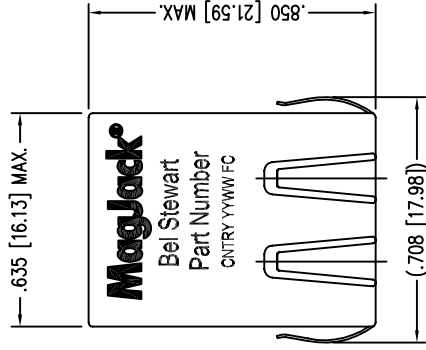
10.0 CROSS TALK: 1MHz TO 100MHz : 40 dB TYP

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

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

ALL CENTERLINE DIMENSIONS ARE BASIC.

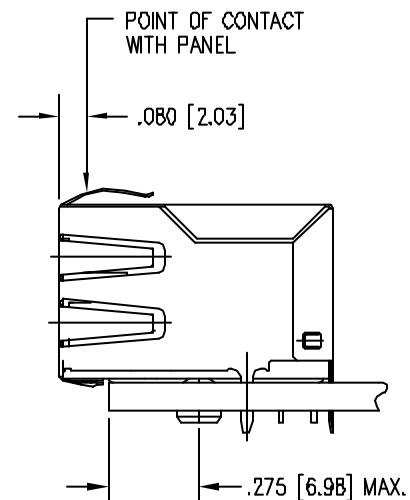
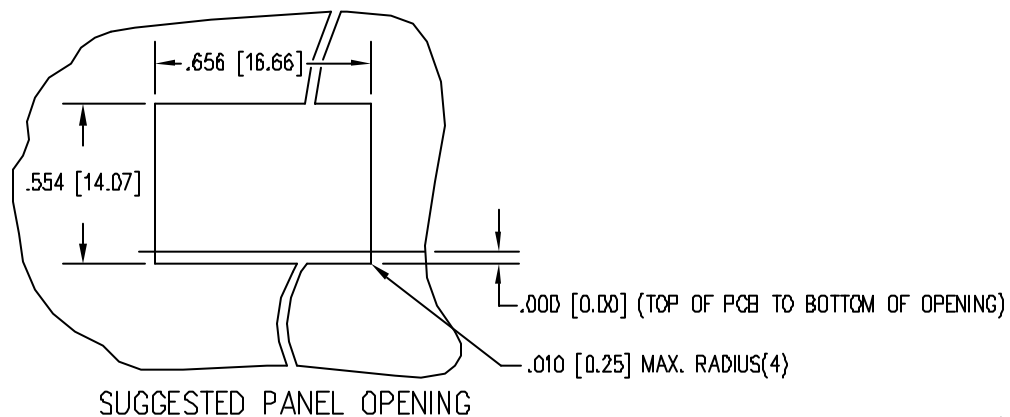
NOTES:

1. CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94
CONTACT/SHIELD: COPPER ALL
SHIELD PLATING: NICKEL OR T
CONTACT PLATING: SELECTIVE (50 MICRO-INCHES)
2. PIN NOT ELECTRICALLY CONNECTED
SEE ELECTRICAL DRAWING FOR
3. TOLERANCES COMPLY WITH F.C.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED
5. WAVE SOLDER COMPATIBLE - F

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DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

SHEET 3 OF 4
DRAWING NO. SI-



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 $\pm .005$ [0.13]

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