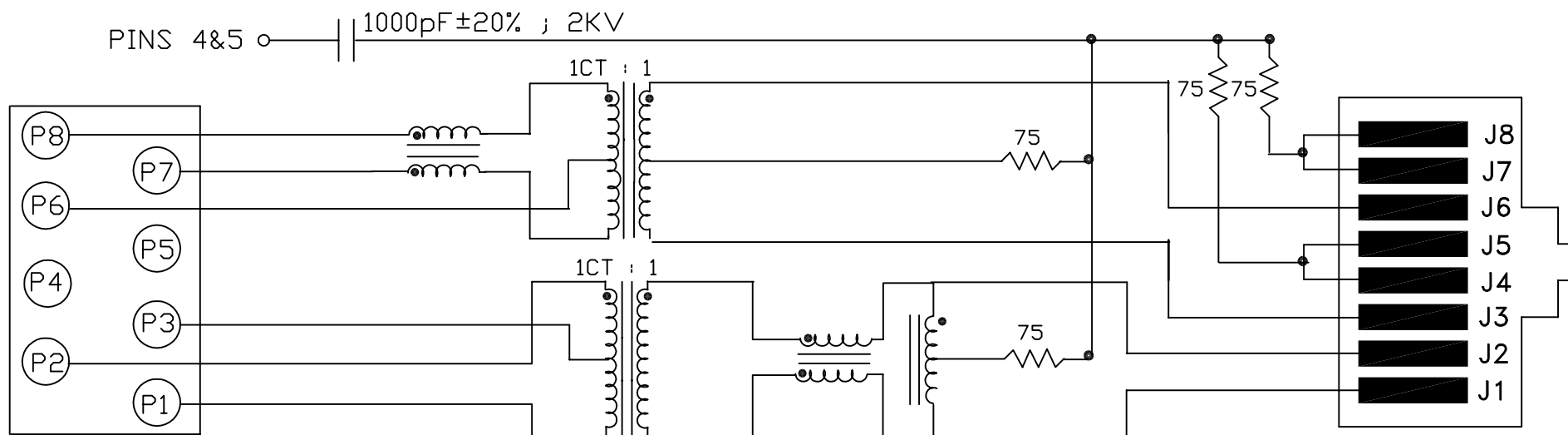




ELECTRICAL SPECIFICATIONS:

- | | | |
|-----|--|--|
| 1.0 | URNS RATIO: (P8-P6-P7) : (J6-J3) | : 1CT : 1 $\pm$ 3% |
| | (P2-P3-P1) : (J2-J1) | : 1CT : 1 $\pm$ 3% |
| 2.0 | INDUCTANCE: (P7-P8) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| | (P1-P2) | : 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: (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. |
| | (P8-P7) | : 1.2 ohms Max. |

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 ALL RESISTORS ARE $\pm$ 5% TOLERANCE.



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Glen Rock, Pa 17327-9199
717.234.7512

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SHEET
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DRAWING NO.
SI-60073-F

REV.
12

RECEIVE

6.0 RETURN LOSS: 1MHz TO 30MHz	: -18dB MIN.
30MHz TO 80MHz	: $-(19-20 \text{ LOG } (f/30\text{MHz}))$
60MHz TO 80MHz	: -12dB MIN.
7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3)	: 1500 VAC
(J3, J6) TO (P8,P7)	: 1500 VAC
8.0 INSERTION LOSS: RS=RL=100 ohms	
1MHz TO 65MHz	: -1.0 dB MAX
65MHz TO 100MHz	: -1.1 dB MAX
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: 1MHz TO 100MHz	: -35 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: -45dB TYP
100MHz TO 200MHz	: -20dB MIN

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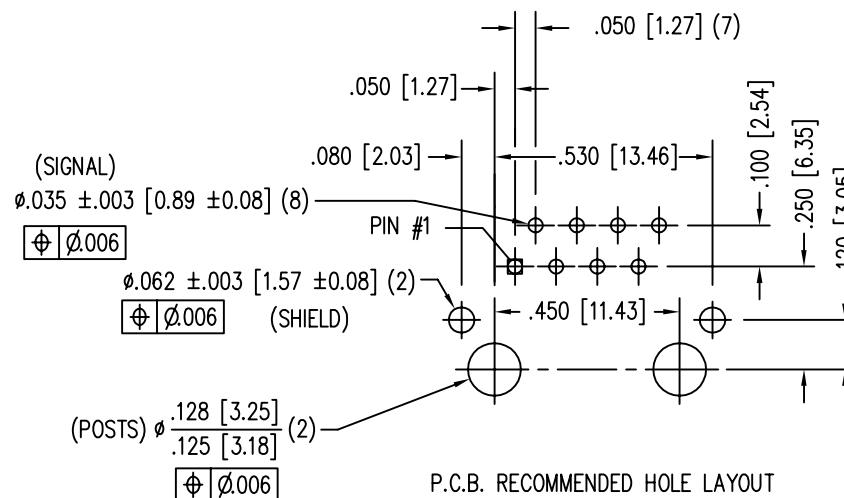
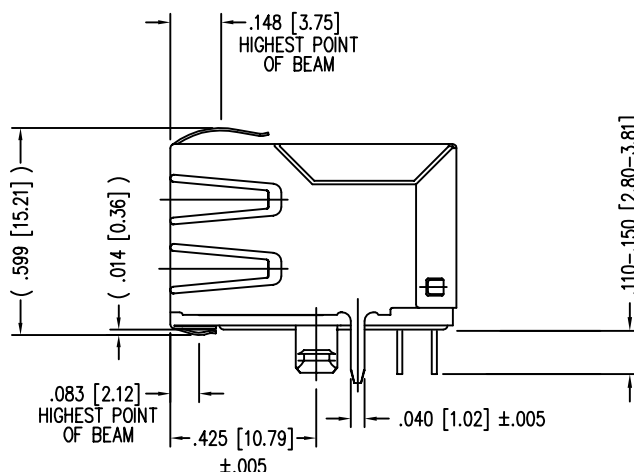
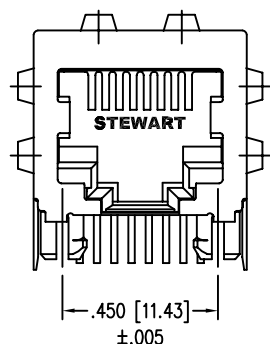
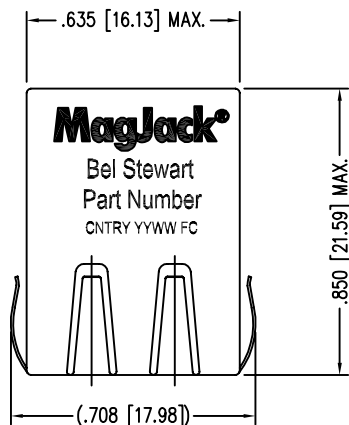
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SHEET
2 OF 4

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12



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.

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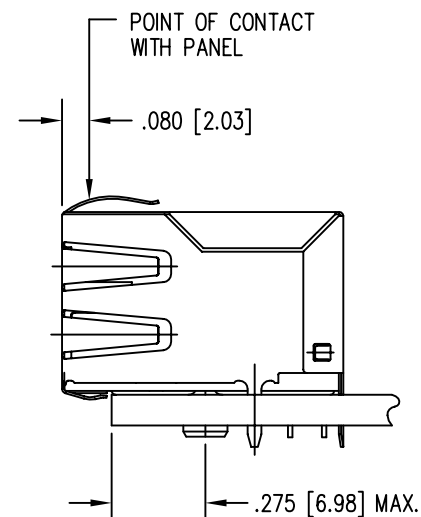
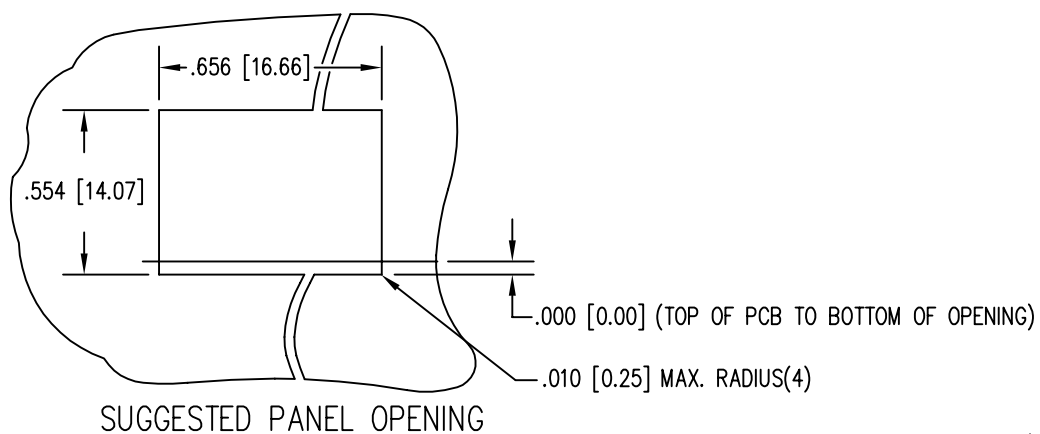
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SHEET
3 OF 4

DRAWING NO.
SI-60073-F

REV.
10



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 ± 0.005 [0.13]

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