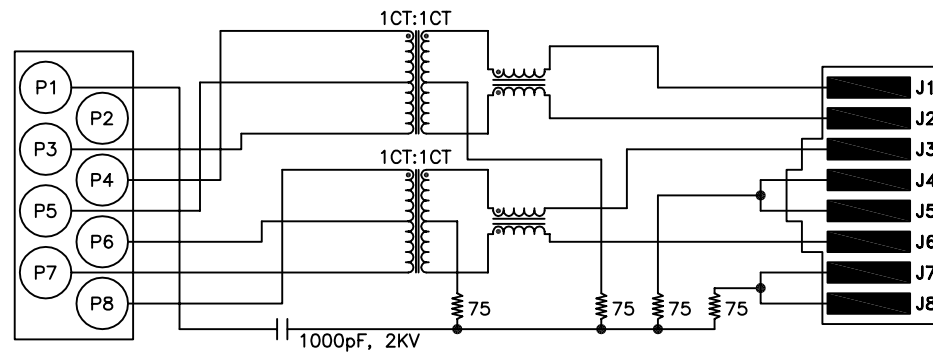




NOTES:

- 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
- 2.0 ALL RESISTORES ARE $\pm 5\%$ TOLERANCE.

ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $(P8-P6-P7) : (J3-J6)$: 1CT : 1CT $\pm 3\%$
 $(P4-P5-P3) : (J1-J2)$: 1CT : 1CT $\pm 3\%$
- 2.0 INDUCTANCE: $(P7-P8)$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
 $(P4-P3)$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: P7-P8 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz
P4-P3 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: $(P8,P6,P7)$ TO $(J6,J3)$: 25pf TYP @ 1MHz
 $(P4,P5,P3)$ TO $(J2,J1)$: 25pf TYP @ 1MHz
- 5.0 DC RESISTANCE: $(J6-J3)=(J2-J1)$: 1.2 ohms Max.
- 6.0 RETURN LOSS: $(P7-P8)=100$ OHMS AND $(P4-P3)=100$ OHM REF.
1MHz TO 30MHz : -18dB MIN.
30MHz TO 60MHz : $-(19-20 \text{ LOG } (f/30\text{MHz}))$
60MHz TO 80MHz : -12dB MIN.
NOTE: 100 OHMS CONNECTED TO $(J2-J1)$ OR $(J6-J3)$.
- 7.0 DIELECTRIC WITHSTAND: $(J1, J2)$ TO $(P7, P8)$: 1500 VAC
 $(J3, J6)$ TO $(P4, P3)$: 1500 VAC
- 8.0 INSERTION LOSS: RS=RL=100 ohms
1-65MHz : -1 dB MAX
- 9.0 RISE TIME: 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 : -35 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : -35 dB TYP

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Glen Rock, Pa 17327-9199
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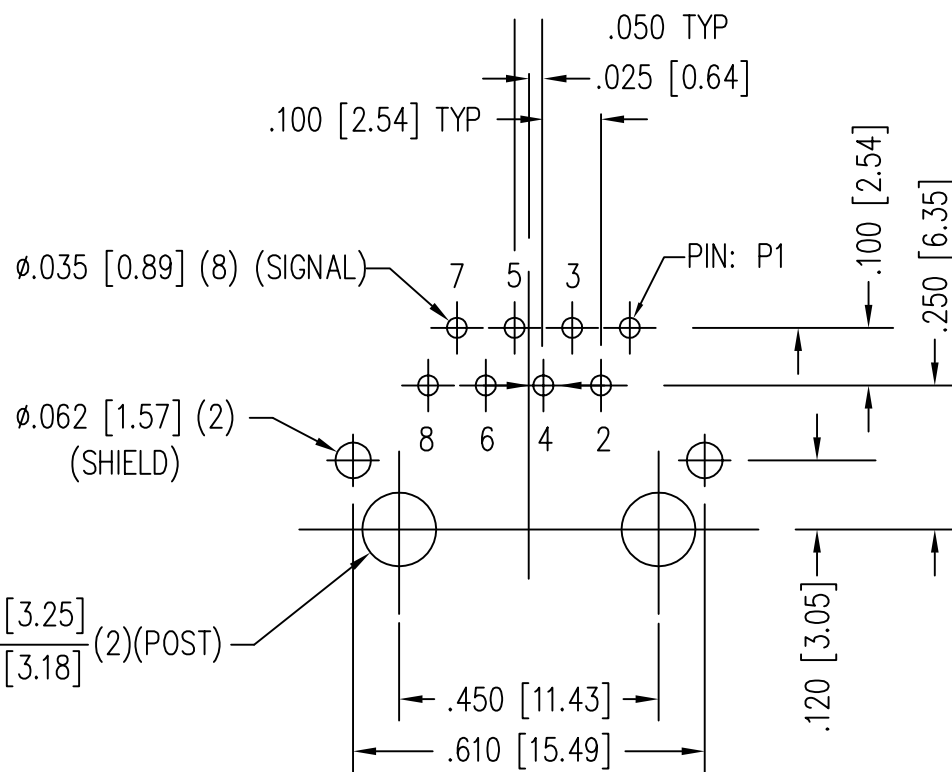
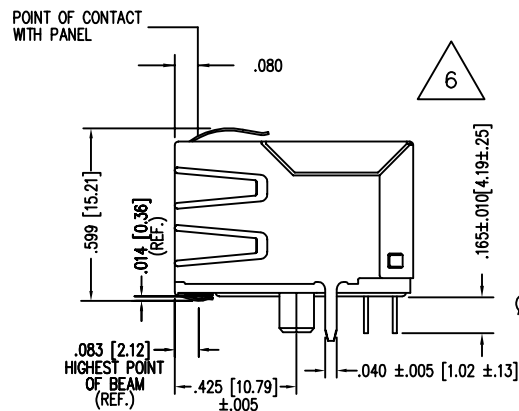
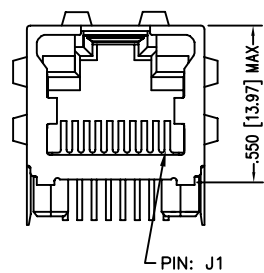
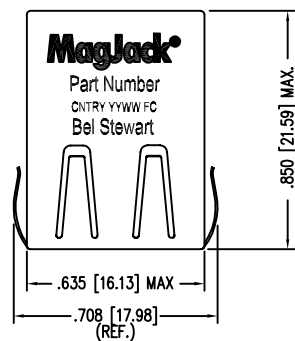
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P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE ± 0.003 [0.08] UNLESS OTHERWISE SPECIFIED

NOTES:

- 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.
- 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 ± 0.005 [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.
HIGH TEMPERATURE REFLOW COMPATIBLE - 230°C/90 SEC MAX.



NOTE SPECIAL LEAD LENGTH

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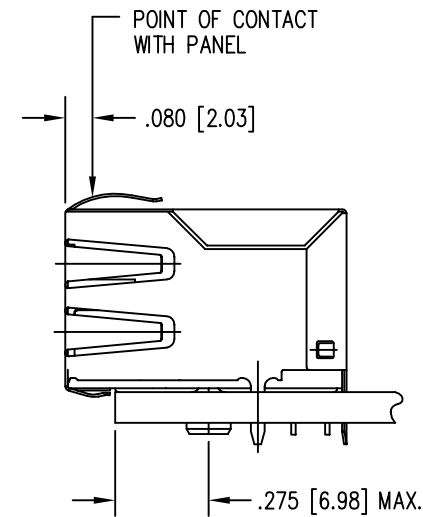
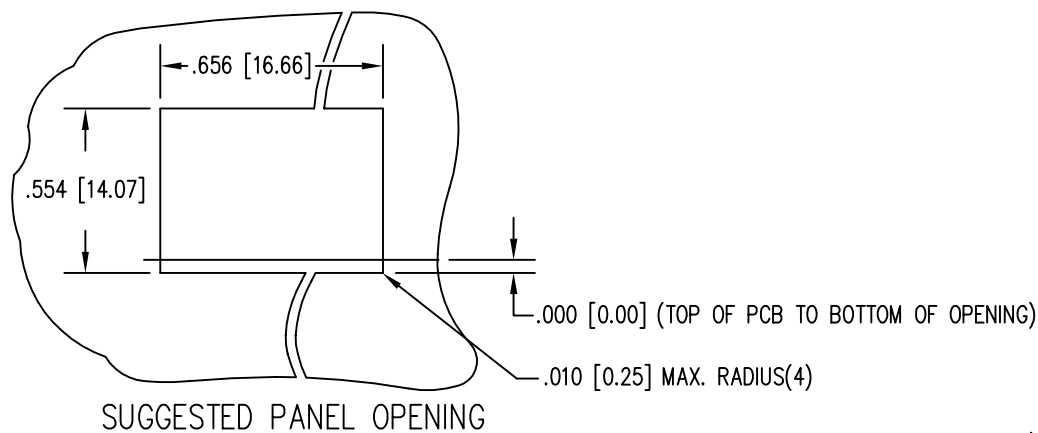
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1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]

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