

NOTE:

1.0 C1, C2, C3, C4 = 0.1 uF

ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: (P2-P1) : (J2-J1) : 1CT : 1CT ±3%
 (P6-P3) : (J6-J3) : 1CT : 1CT ±3%
 (P5-P4) : (J5-J4) : 1CT : 1CT ±3%
 (P8-P7) : (J8-J7) : 1CT : 1CT ±3%
- 2.0 INDUCTANCE: (P1-P2) ; (P5-P4) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS
 (P3-P6) ; (P7-P8) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS
- 3.0 LEAKAGE INDUCTANCE: P2-P1 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz
 P6-P3 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz
 P5-P4 (WITH J5 AND J4 SHORT) : 0.3uH MAX. @ 1MHz
 P8-P7 (WITH J8 AND J7 SHORT) : 0.3uH MAX. @ 1MHz
- 4.0 DC RESISTANCE: (J6-J3) ; (J2-J1) ; (J5-J4) ; (J8-J7) : 1.2 ohms Max.

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REV. 06

- 5.0 RETURN LOSS: 1MHz TO 40MHz : 18dB MIN.
60MHz TO 100MHz : $12-20 \text{ LOG } \left(\frac{F}{80\text{MHz}} \right)$
- 6.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P1,P2) ; (J5,J4) TO (P5,P4) : 1500 VAC
(J3,J6) TO (P3,P6) ; (J8,J7) TO (P8, P7) : 1500 VAC
- 7.0 INSERTION LOSS: RS=RL=100 ohms : 1.1 dB MAX
1MHz TO 100MHz
- 8.0 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
- 9.0 CROSS TALK: 1-100 MHz : 40 dB TYP
- 10.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 40dB TYP

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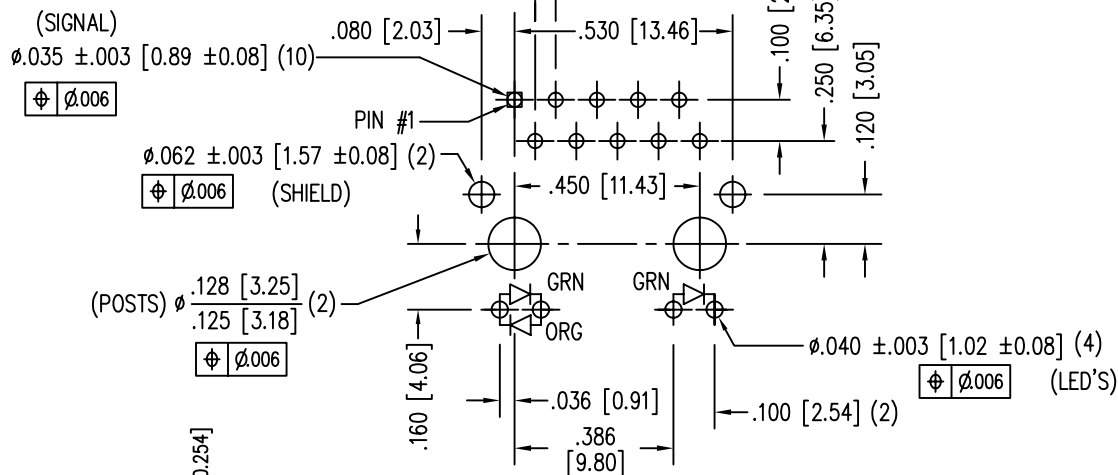
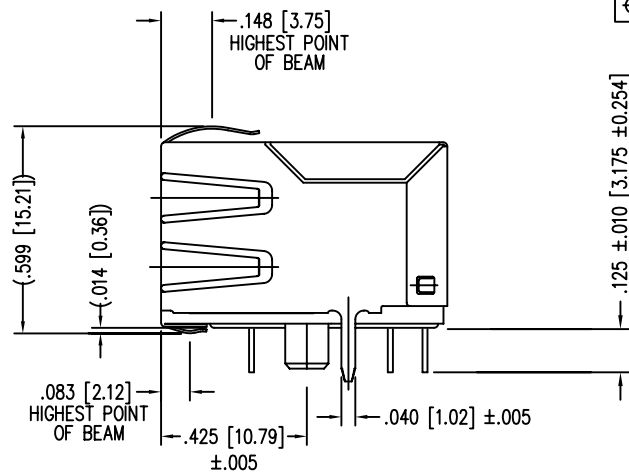
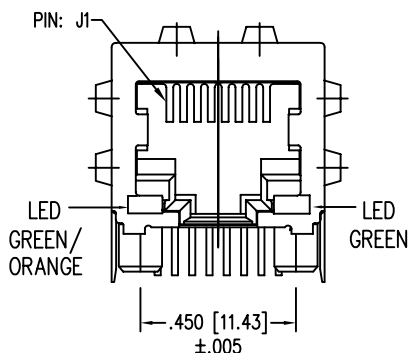
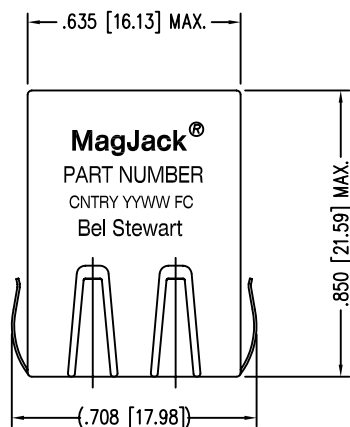
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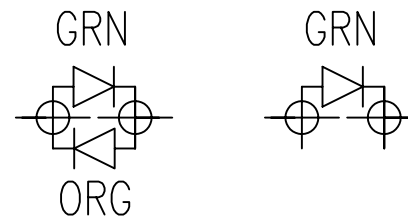
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REV. 02



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
ALL CENTERLINE DIMENSIONS ARE BASIC.



LED POLARITY

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.
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	* Forward V (MAX)	(TYP)
GREEN	565 nm	2.5 V	2.1 V
ORANGE	605 nm	2.5 V	2.0 V

*WITH A FORWARD CURRENT OF 20 mA

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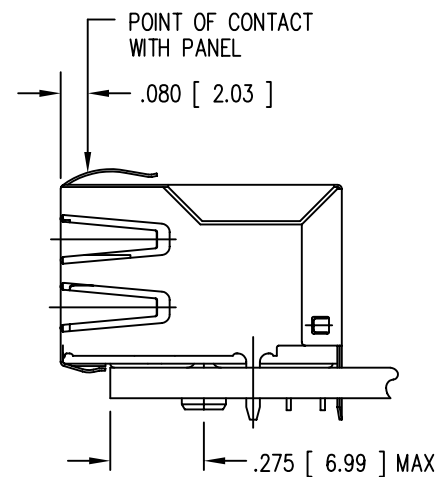
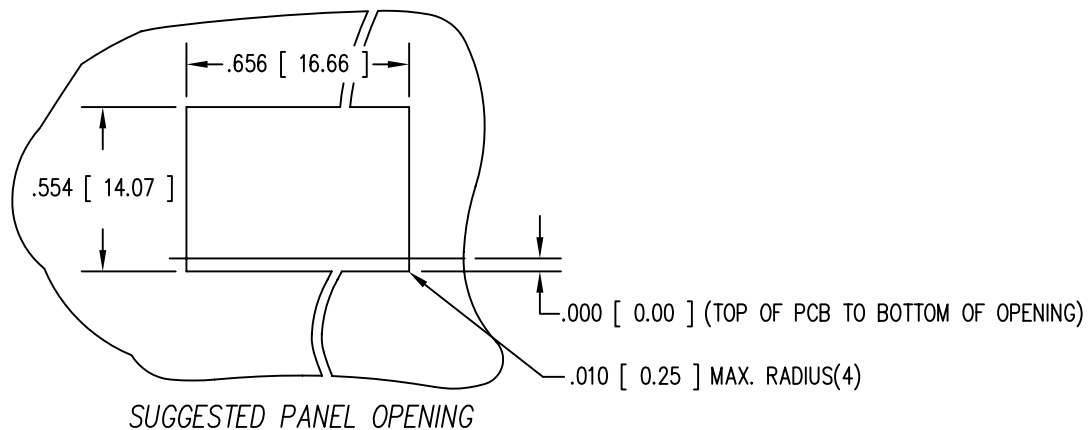
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REV. X2



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