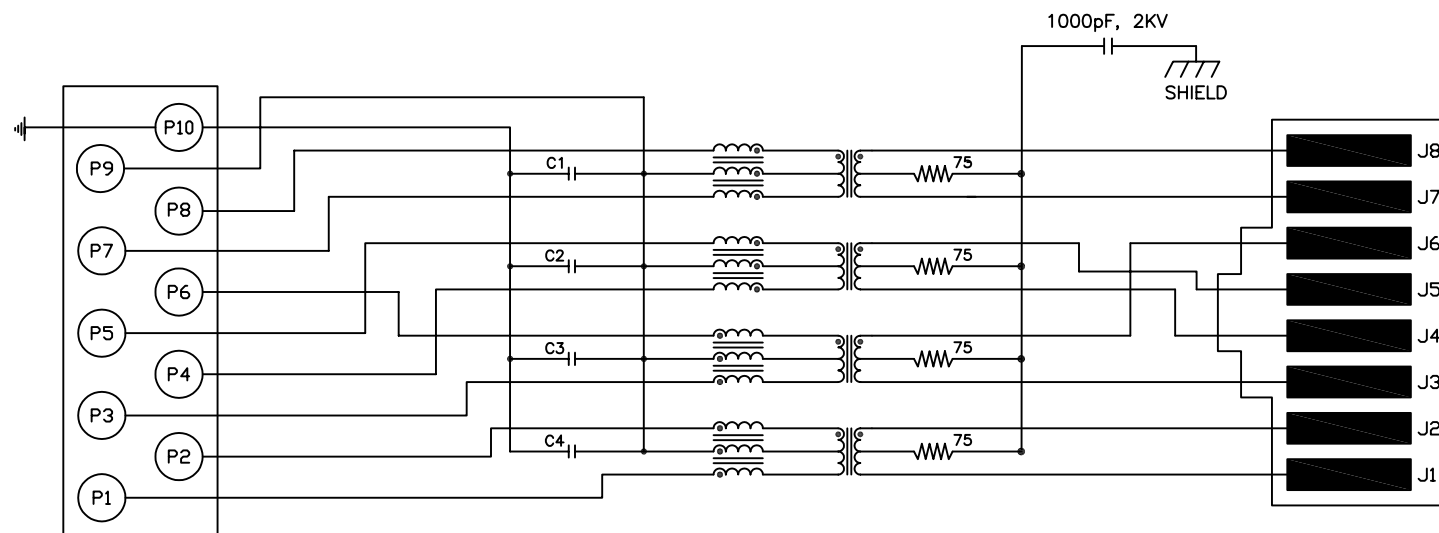


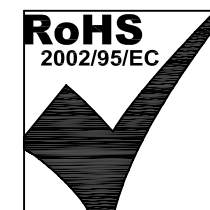


NOTE:

1.0 C1, C2, C3, C4 = 0.1 μ F

ELECTRICAL SPECIFICATIONS:

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



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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	
1MHz TO 100MHz	: 1.1 dB MAX
8.0 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
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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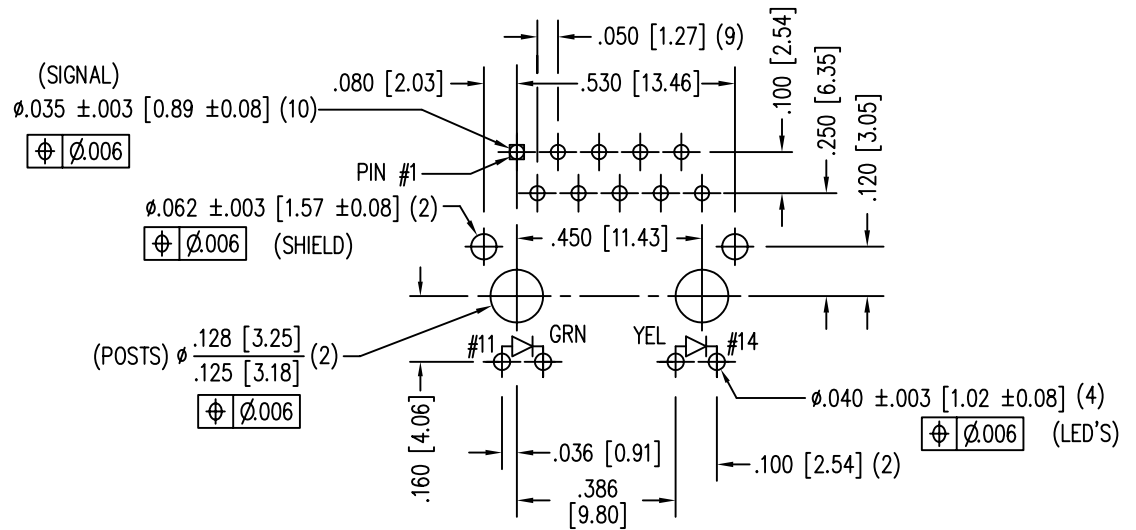
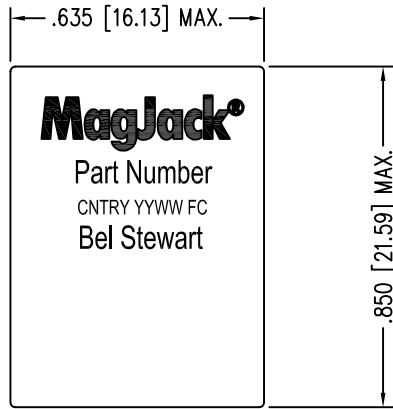
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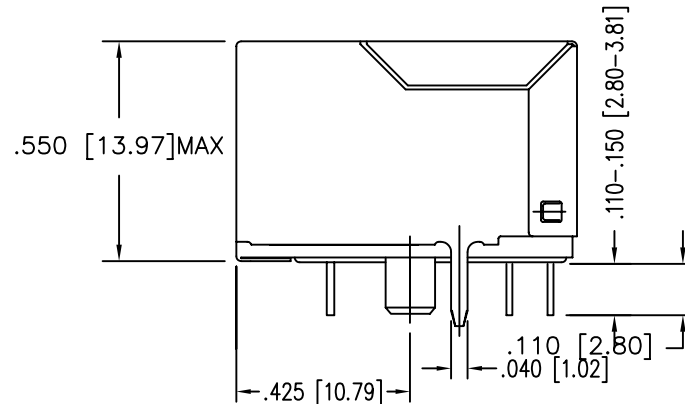
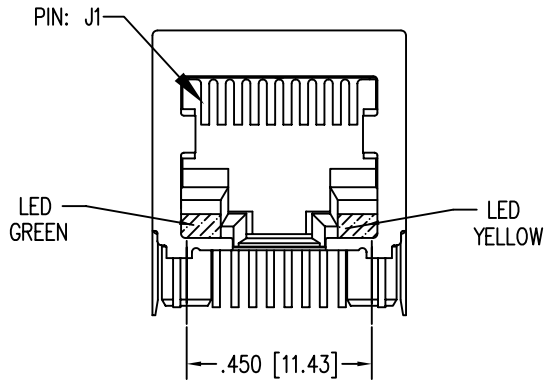
DRAWING NO. SI-61005-F

REV. 02

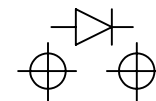


P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.



LED POLARITY
(ENLARGED VIEW)



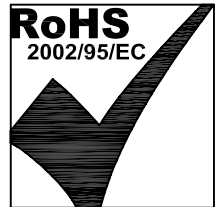
SINGLE COLOR LED

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)

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 $\pm .005$ [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR
10 SECONDS MAX.



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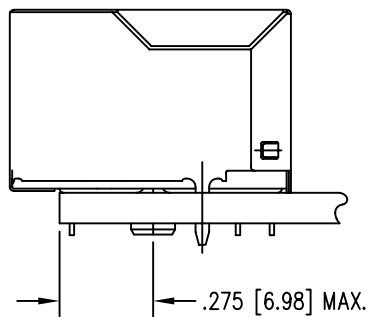
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1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]

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REV. 03