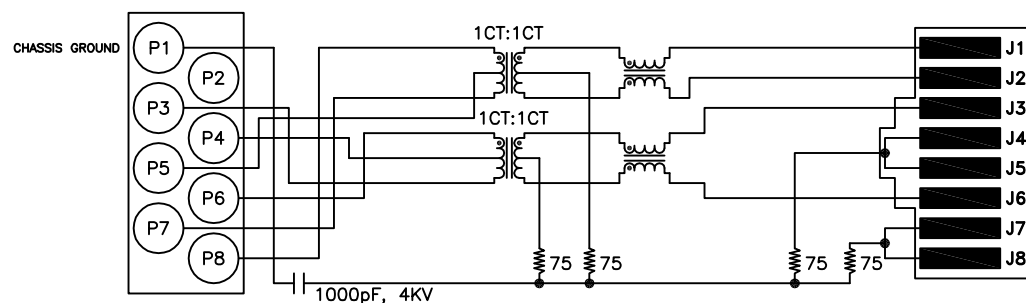




#### ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO:  $(P6-P4-P3) : (J3-J6)$  : 1CT : 1CT  $\pm$  3%  
 $(P8-P5-P7) : (J1-J2)$  : 1CT : 1CT  $\pm$  3%
- 2.0 INDUCTANCE:  $(P8-P7)$  : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias  
 $(P3-P6)$  : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: P6-P3 (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHz  
P8-P7 (WITH J2 AND J1 SHORT) : 0.3 MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE:  $(P6, P4, P3)$  TO  $(J6, J3)$  : 30pf MAX @ 1MHz  
 $(P8, P5, P7)$  TO  $(J2, J1)$  : 30pf MAX. @ 1MHz
- 5.0 DC RESISTANCE:  $(J6-J3)=(J2-J1)$  : 1.4 ohms Max.

#### NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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SHEET  
1 OF 4

DRAWING NO.

SI-50178

REV. 03

RECEIVE

6.0 RETURN LOSS: (P6-P3)=100 OHMS AND (P8-P7)=100 OHM REF.

1MHz TO 30MHz : 18dB MIN.  
30MHz TO 80MHz : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P8, P7) : 1500 VAC  
(J3, J6) TO (P3, P6) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms  
100KHz TO 100MHz : 1.1 dB TYP

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: 1-100 MHz : 30 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : 35dB TYP

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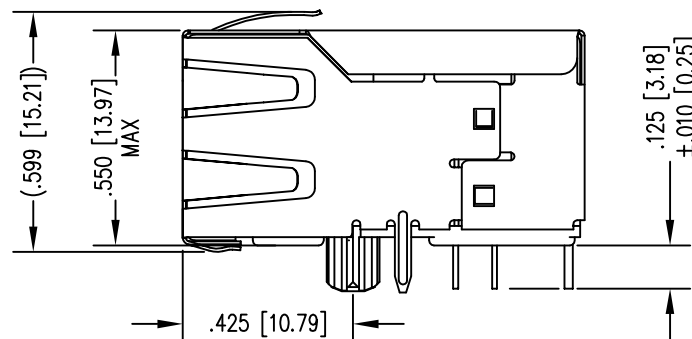
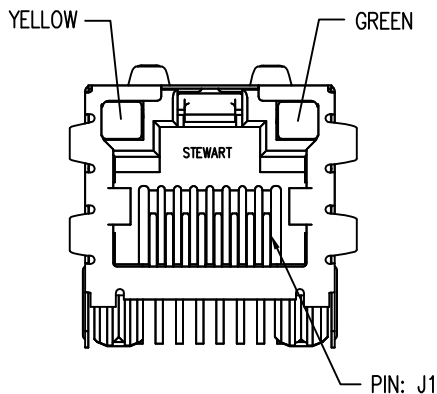
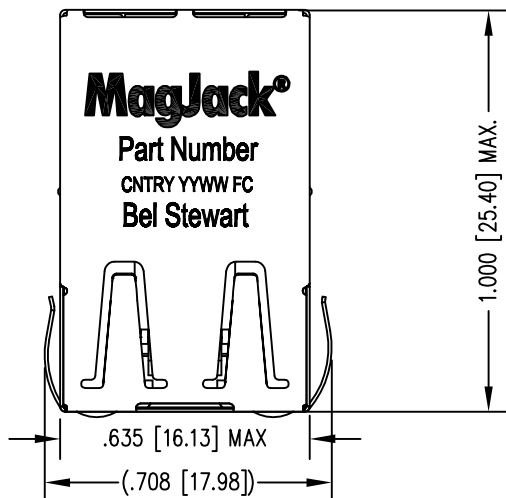
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SHEET  
2 OF 4

DRAWING NO.

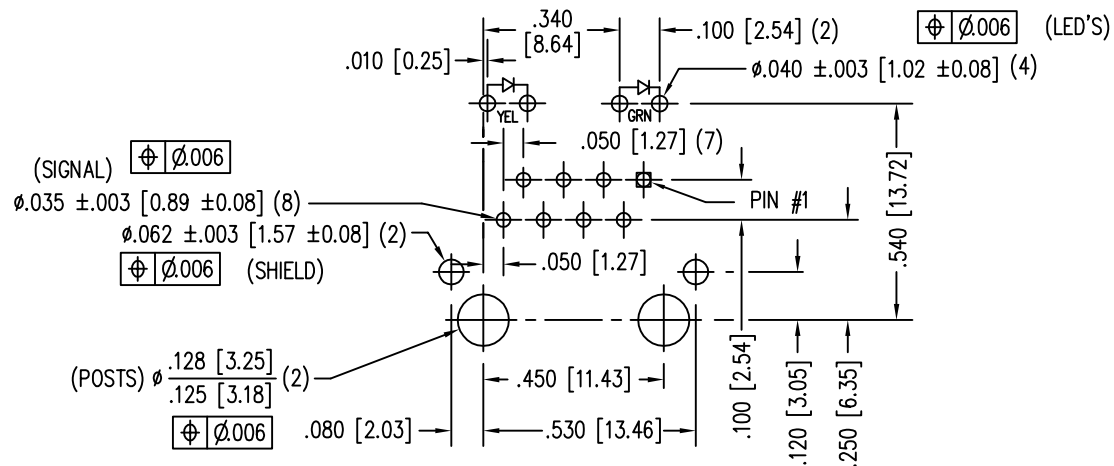
SI-50178

REV. 03



| LED SPECIFICATION |            |                   |       |
|-------------------|------------|-------------------|-------|
| STANDARD LED      | WAVELENGTH | * Forward V (MAX) | (TYP) |
| GREEN             | 565 nm     | 2.5 V             | 2.1 V |
| YELLOW            | 590 nm     | 2.5 V             | 2.1 V |

\*WITH A FORWARD CURRENT OF 20 mA



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

ALL CENTERLINE DIMENSIONS ARE BASIC.

#### 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 ±.005 [0.13]
- WAVE SOLDER COMPATIBLE – PREHEAT 125°C/90SECS.  
HIGH TEMPERATURE REFLOW COMPATIBLE – 230°C/90 SEC MAX.

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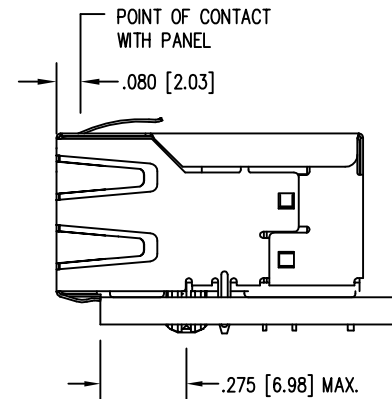
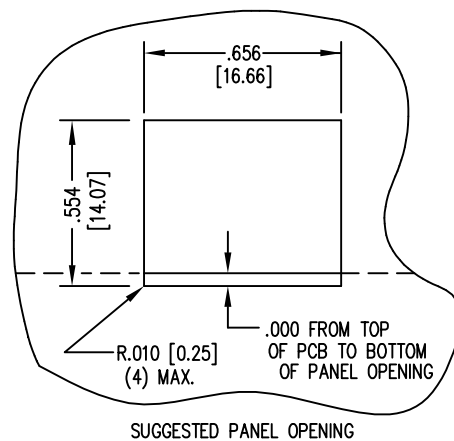
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SHEET  
3 OF 4

DRAWING NO.

SI-50178 REV. 07



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  $\pm 0.005$  [0.13]

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SHEET  
4 OF 4

DRAWING NO.

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