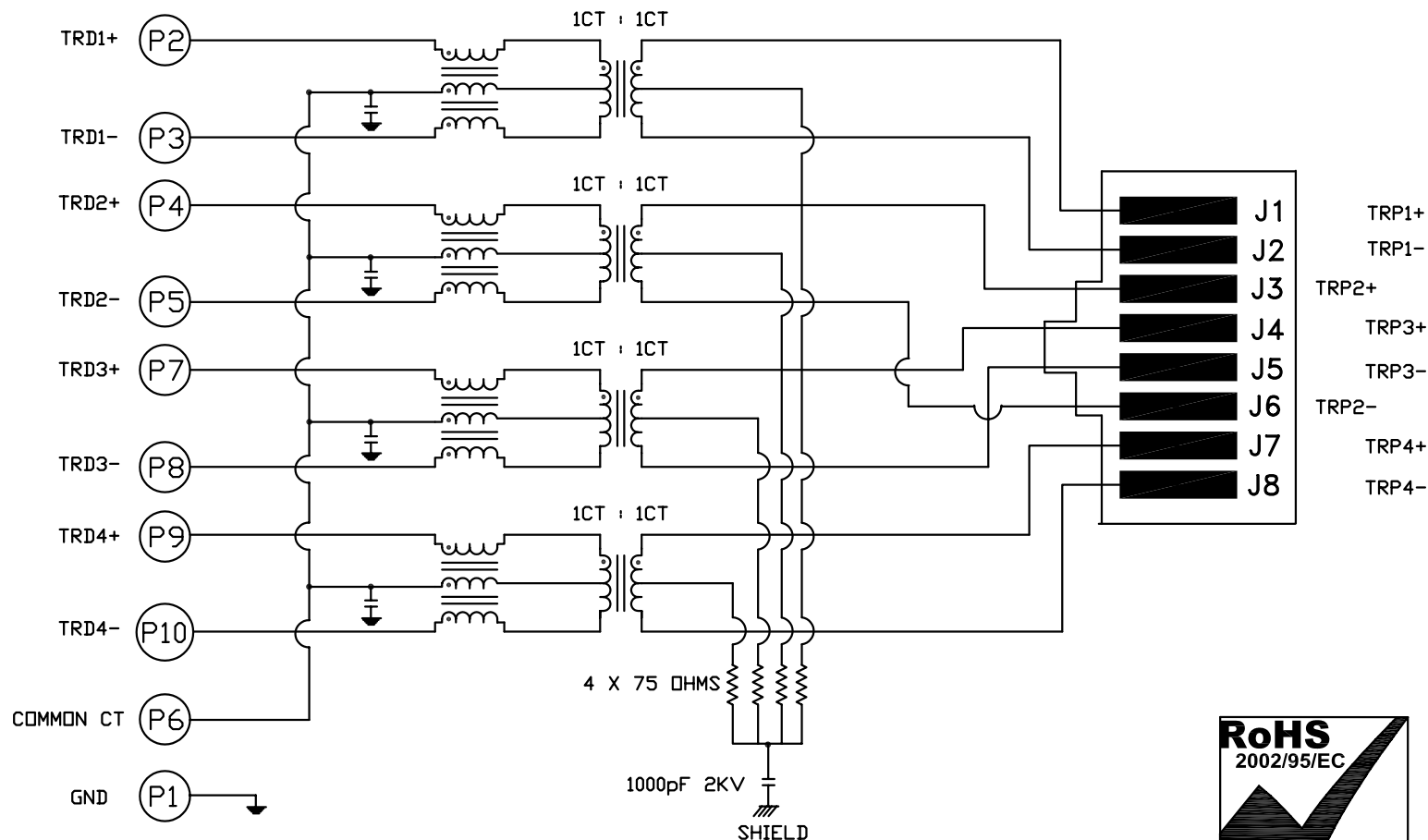
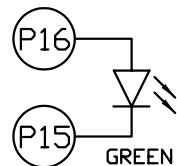
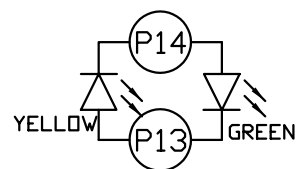


# ELECTRICAL SPECIFICATIONS:

|                 |          |                                          |
|-----------------|----------|------------------------------------------|
| 1.0 INDUCTANCE: | (P2-P3)  | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
|                 | (P4-P5)  | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
|                 | (P7-P8)  | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
|                 | (P9-P10) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |

|                  |            |         |                      |
|------------------|------------|---------|----------------------|
| 2.0 TURNS RATIO: | (P2-P3) :  | (J1-J2) | : 1CT : 1CT $\pm$ 2% |
|                  | (P4-P5) :  | (J3-J6) | : 1CT : 1CT $\pm$ 2% |
|                  | (P7-P8) :  | (J4-J5) | : 1CT : 1CT $\pm$ 2% |
|                  | (P9-P10) : | (J7-J8) | : 1CT : 1CT $\pm$ 2% |

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DRAWING NO. SI-51009-F REV. 05

3.0 RETURN LOSS: 100 OHM REF.  
                   500kHz TO 40MHz : -18dB MIN.  
                   40MHz TO 100MHz : -12+20LOG(f/80MHZ) MIN.

4.0 INSERTION LOSS: RS=RL=100 OHMS  
                   100KHz TO 100MHz : 1.2dB MAX.

5.0 CROSS TALK: Ch1-Ch2, Ch1-Ch3, Ch1-Ch4, Ch2-Ch3, Ch2-Ch4, Ch3-Ch4  
                   1MHz TO 30MHz : -35dB MIN.  
                   30MHz TO 80MHz : -24dB MIN.  
                   80MHz TO 100MHz : -25dB MIN.

6.0 CM TO CM REJECTION:  
                   100kHz TO 100MHz : -30dB MIN.

7.0 CM TO DM REJECTION:  
                   100kHz TO 100MHz : -35dB MIN.

8.0 VOLTAGE WITHSTAND:  
                   (J1, J2) TO (P2, P3) : 1500 Vrms  
                   (J3, J6) TO (P4, P5) : 1500 Vrms  
                   (J4, J5) TO (P7, P8) : 1500 Vrms  
                   (J7, J8) TO (P9, P10) : 1500 Vrms

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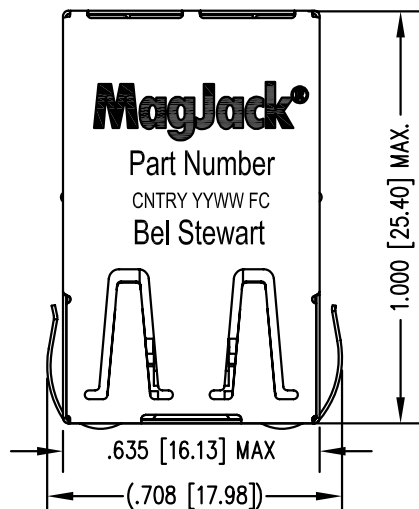
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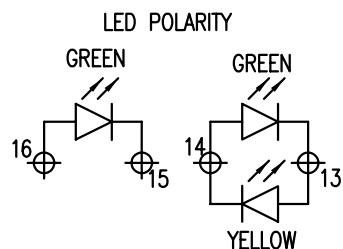
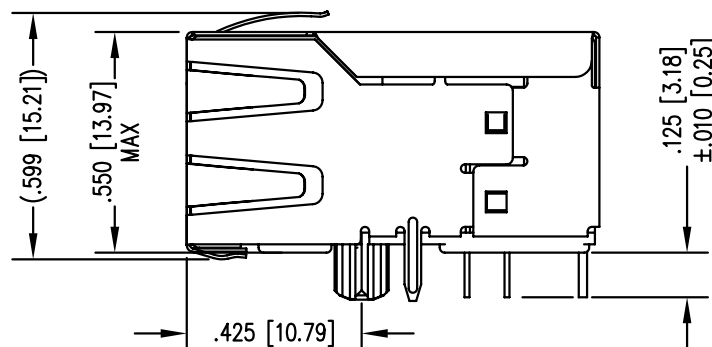
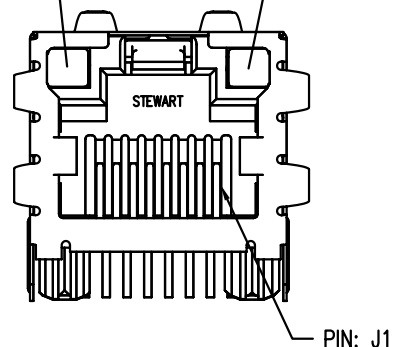
SHEET 2 OF 4

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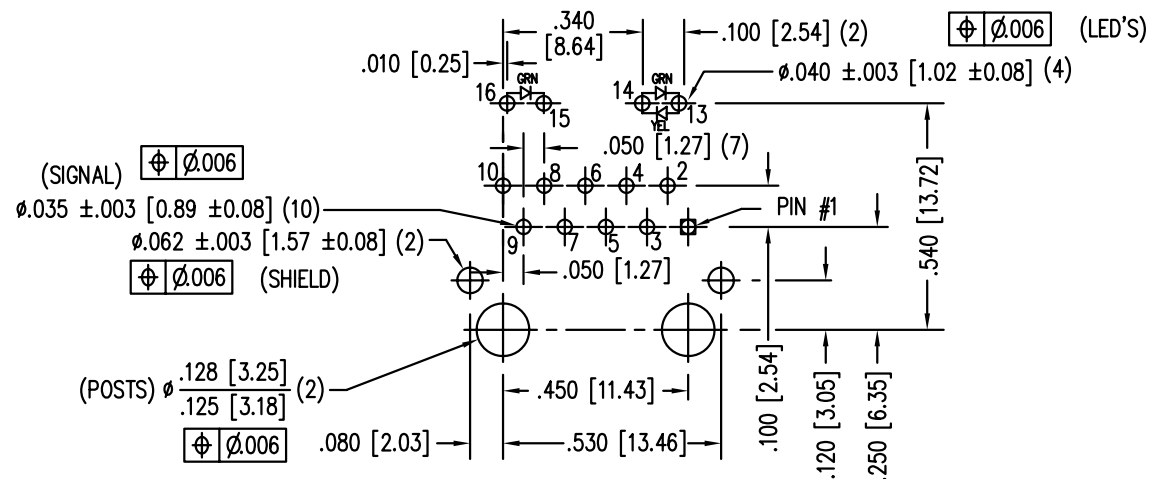


GREEN GREEN/YELLOW



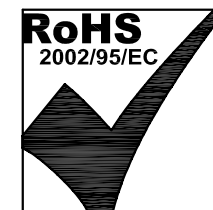
| LED SPECIFICATION |            |                 |         |
|-------------------|------------|-----------------|---------|
| LED COLOR         | WAVELENGTH | FORWARD V (MAX) | * (TYP) |
| GREEN             | 565 nm     | 2.5 V           | 2.2 V   |
| YELLOW            | 590 nm     | 2.5 V        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

\*WITH A FORWARD CURRENT OF 20 mA (TYP)



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 ±.005 [0.13]
5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

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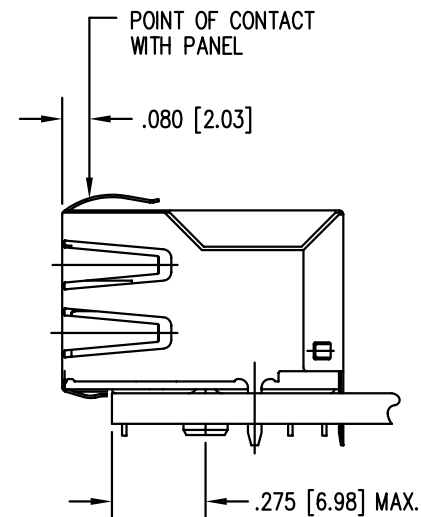
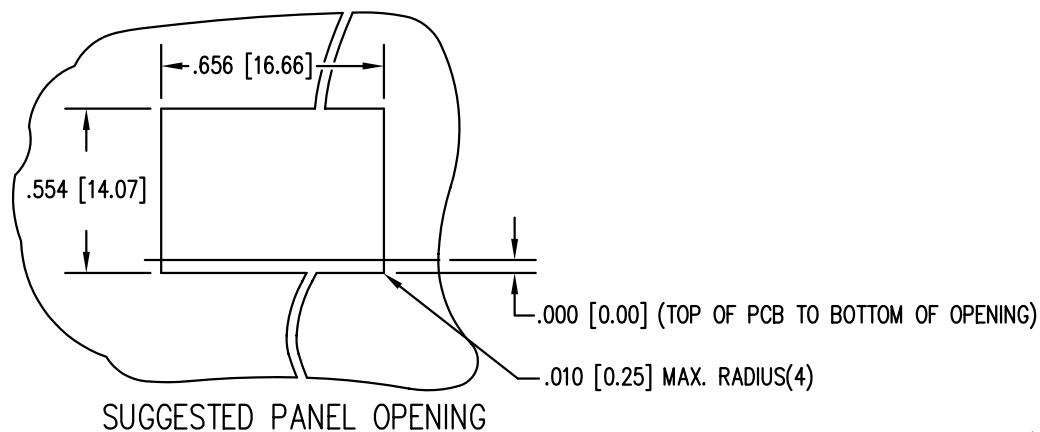
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SI-51009-F REV. 05



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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DRAWING NO.

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REV.  
05