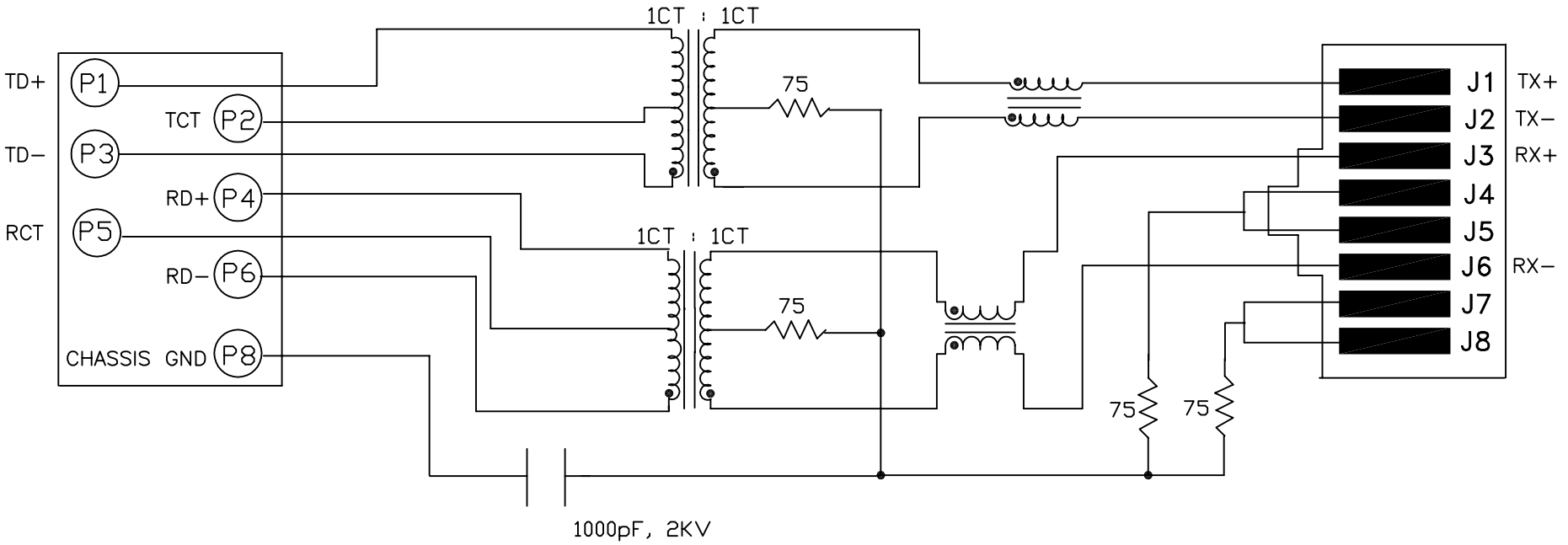


NOTE:

1. UNUSED PIN P7 IS OMITTED.

ELECTRICAL SPECIFICATIONS:

| | | |
|---|---|---|
| 1.0 TURNS RATIO: | (P4−P5−P6) : (J3−J6) | : 1CT : 1CT± 3% |
| | (P3−P2−P1) : (J1−J2) | : 1CT : 1CT ± 3% |
| 2.0 INDUCTANCE: | (P4−P6) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| | (P3−P1) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 3.0 LEAKAGE INDUCTANCE: | P6−P4 (WITH J6 AND J3 SHORT) | : 0.3 MAX. @ 1MHz |
| | P3−P1 (WITH J2 AND J1 SHORT) | : 0.3 MAX. @ 1MHz |
| 4.0 INTERWINDING CAPACITANCE: | (P6,P5,P4) TO (J6,J3) | : 30pf MAX @ 1MHz |
| | (P3,P2,P1) TO (J2,J1) | : 30pf MAX. @ 1MHZ |
| 5.0 DC RESISTANCE: | (J6−J3)=(J2−J1) | : 1.2 ohms Max. |

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6.0 RETURN LOSS: (P4−P6)=100 OHMS AND (P1−P3)=100 OHM REF.

| | | |
|---|---|---|
| 1MHz TO 30MHz | : | 18dB MIN. |
| 60MHz TO 80MHz | : | 12dB MIN. |

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

7.0 DIELECTRIC WITHSTAND:

| | | |
|---|---|---|
| (J1, J2) TO (P1, P3) | : | 1500 VAC |
| (J3, J6) TO (P4, 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 : 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP

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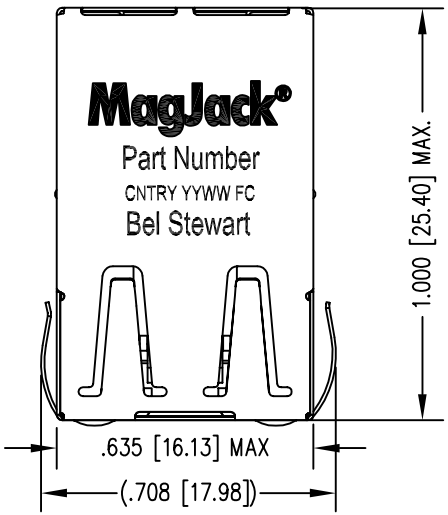
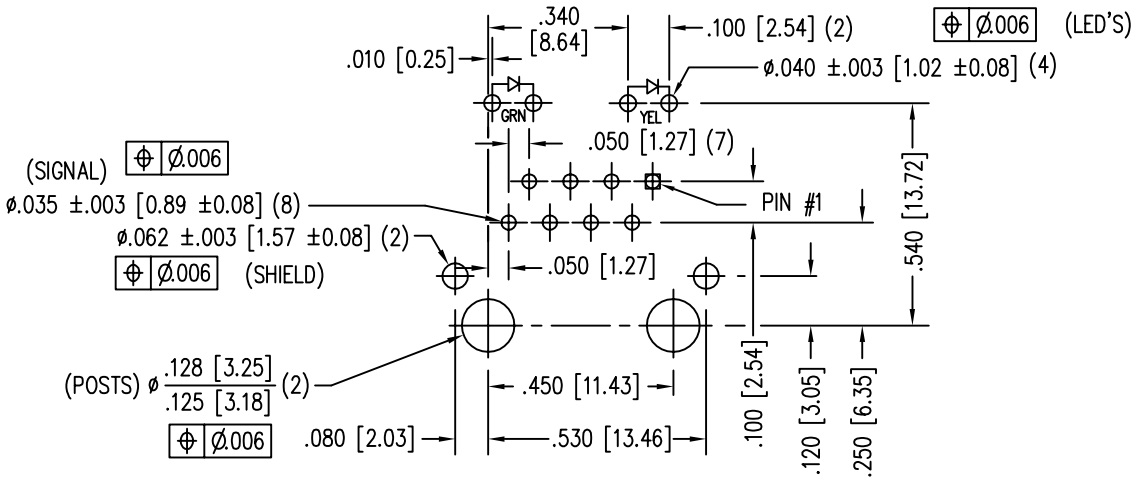
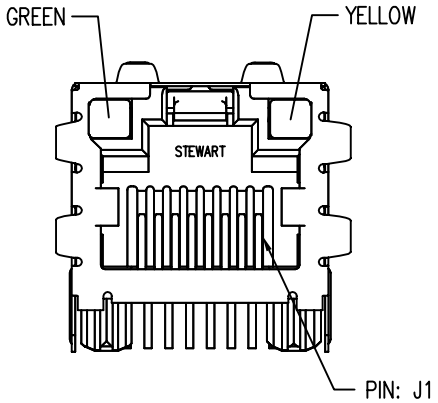
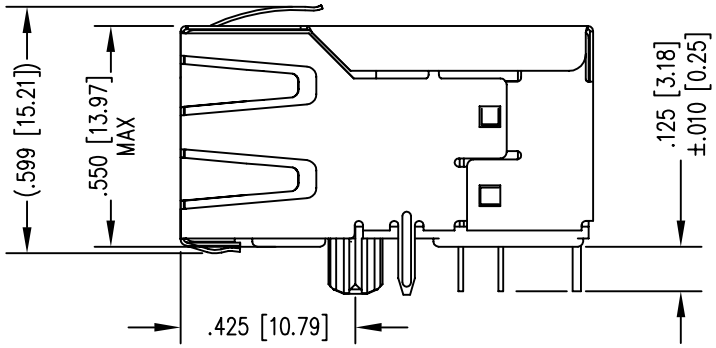



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

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. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE USER THE ABILITY TO HAVE REASONABLE JACK/PANEL CLEARANCES, YET MAINTAIN GROUNDING CAPABILITY.
5. WAVE SOLDER COMPATIBLE – PREHEAT 125°C/90SECS.
   HIGH TEMPERATURE REFLOW COMPATABLE – 230°C/90 SEC MAX.

| 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

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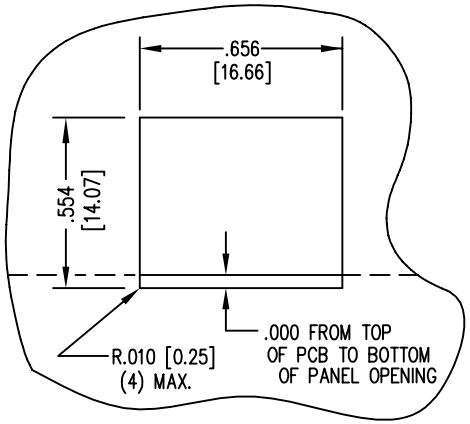
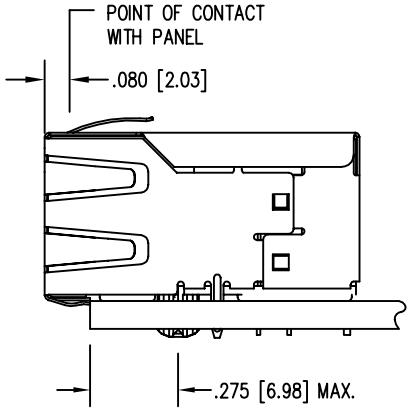



SUGGESTED PANEL OPENING

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