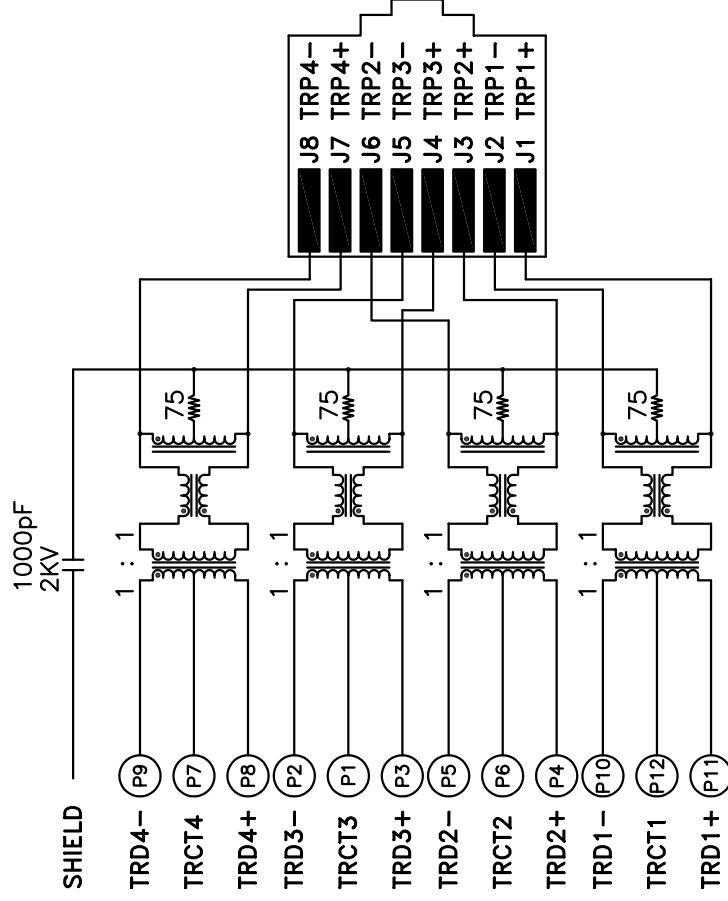
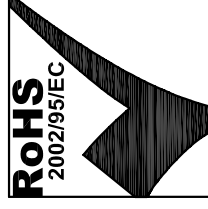




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\begin{cases} (P3-P2) : (J4-J5) \\ (P5-P4) : (J6-J3) \\ (P9-P8) : (J8-J7) \\ (P10-P11) : (J2-J1) \end{cases}$
: 1 : 1 $\pm 2\%$
: 1 : 1 $\pm 2\%$
: 1 : 1 $\pm 2\%$
: 1 : 1 $\pm 2\%$
- 2.0 INDUCTANCE: $\begin{cases} (P3-P2) : (P5-P4) \\ (P10-P11) : (P9-P8) \end{cases}$
: 350 μ H MIN. @ 0.1V, 100KHz, 8 mA DC BIAS
: 350 μ H MIN. @ 0.1V, 100KHz, 8 mA DC BIAS
- 3.0 LEAKAGE INDUCTANCE: $\begin{cases} P3-P2 \text{ (WITH } J4 \text{ AND } J5 \text{ SHORT)} \\ P5-P4 \text{ (WITH } J6 \text{ AND } J3 \text{ SHORT)} \\ P9-P8 \text{ (WITH } J8 \text{ AND } J7 \text{ SHORT)} \\ P10-P11 \text{ (WITH } J1 \text{ AND } J2 \text{ SHORT)} \end{cases}$
: 0.3 μ H MAX. @ 1MHz
: 0.3 μ H MAX. @ 1MHz
: 0.3 μ H MAX. @ 1MHz
: 0.3 μ H MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: $\begin{cases} (P3-P2) : (J4-J5) \\ (P5-P4) : (J6-J3) \\ (P9-P8) : (J8-J7) \\ (P10-P11) : (J2-J1) \end{cases}$
: 35pf MAX @ 1MHz
: 35pf MAX @ 1MHz
: 35pf MAX @ 1MHz
: 35pf MAX @ 1MHz
- 5.0 DC RESISTANCE: $\begin{cases} (J6-J3) : (J2-J1) \\ (J7-J8) : (J4-J5) \end{cases}$
: 1.2 ohms Max.

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6.0 RETURN LOSS: 1MHz TO 30MHz
30MHz TO 60MHz
60MHz TO 80MHz
80MHz TO 100MHz
: -19dB MIN.
: -13dB MIN.
: -12dB MIN.
: -10dB MIN.

7.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P10,P11) ; (J5,J4) TO (P3-P2)
(J3,J6) TO (P5,P4) ; (J8,J7) TO (P9, P8)
: 1500 VAC
: 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms
100KHz TO 125MHz
: -1.1 dB TYP

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS
OUTPUT VOLTAGE = 1 V peak
PULSE WIDTH= 112nS
: 3.0 nS MAX
: 3.0 nS MAX

10.0 CROSS TALK: 1-100 MHz
: $-[33-20 \text{ LOG } (\frac{F}{50 \text{ MHz}})] \text{ MIN.}$

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

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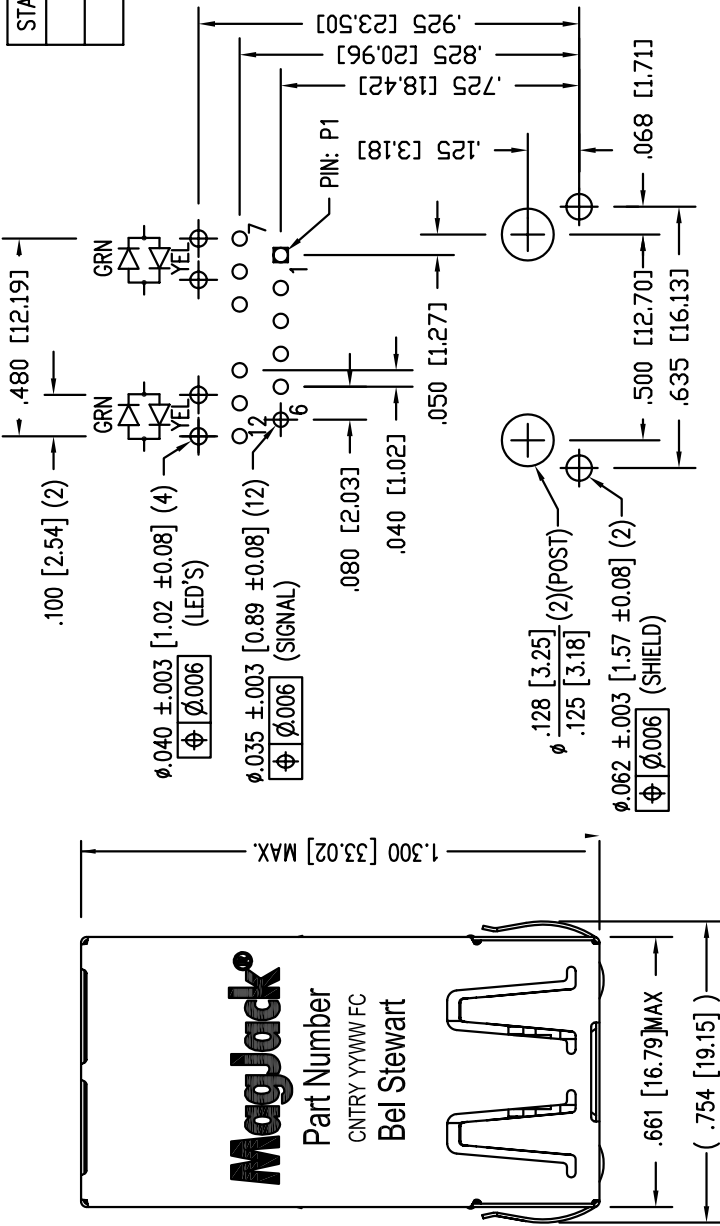
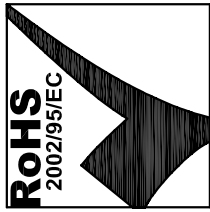
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STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
YELLOW	590 nm	2.5 V	2.1
GREEN	565 nm	2.5 V	2.2

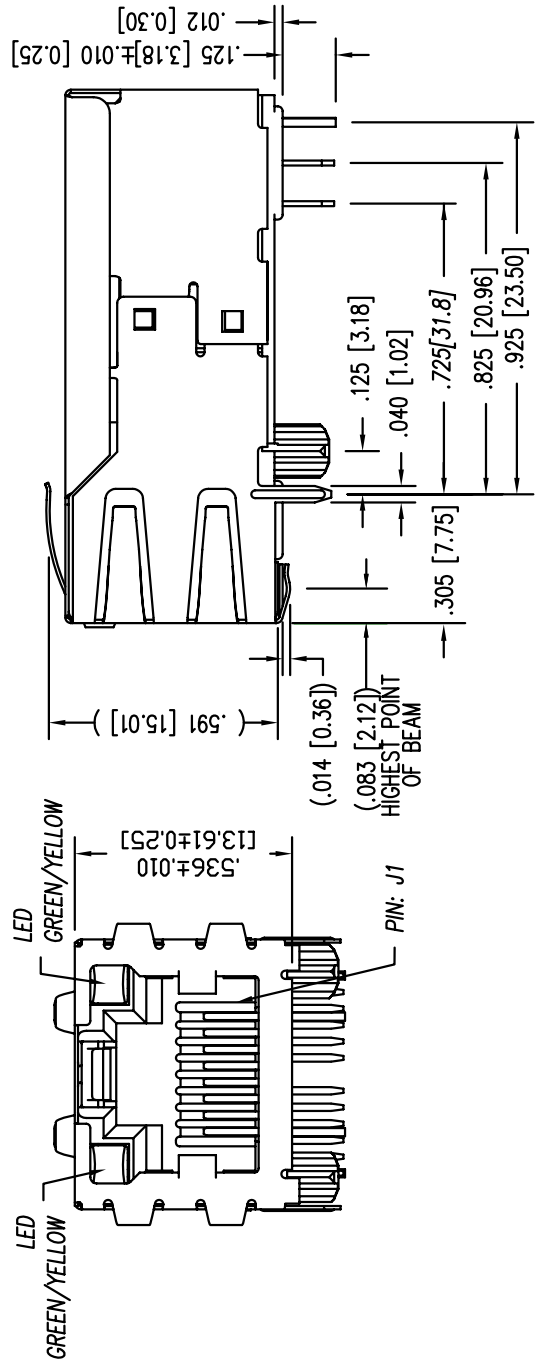
* WITH A FORWARD CURRENT OF 20 mA (TYP)

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

ALL CENTERLINE DIMENSIONS ARE BASIC.



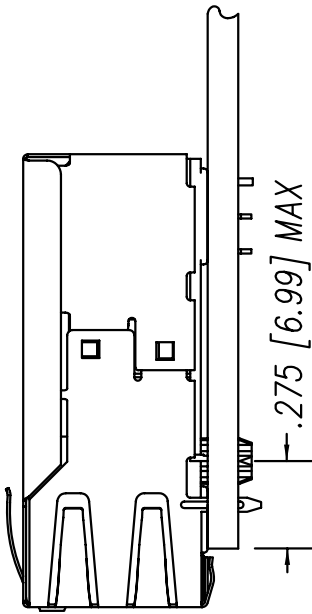
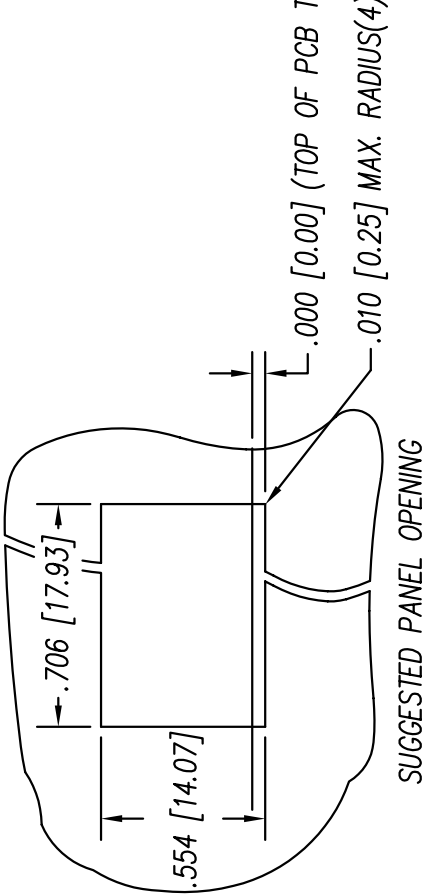
- NOTES:
- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD.
50 MICRO-INCHES MIN. IN CONTACT AREA.
 - PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
 - TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
 - ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
 - REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

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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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SHEET
4 OF 4

DRAWING NO.

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REV.

02