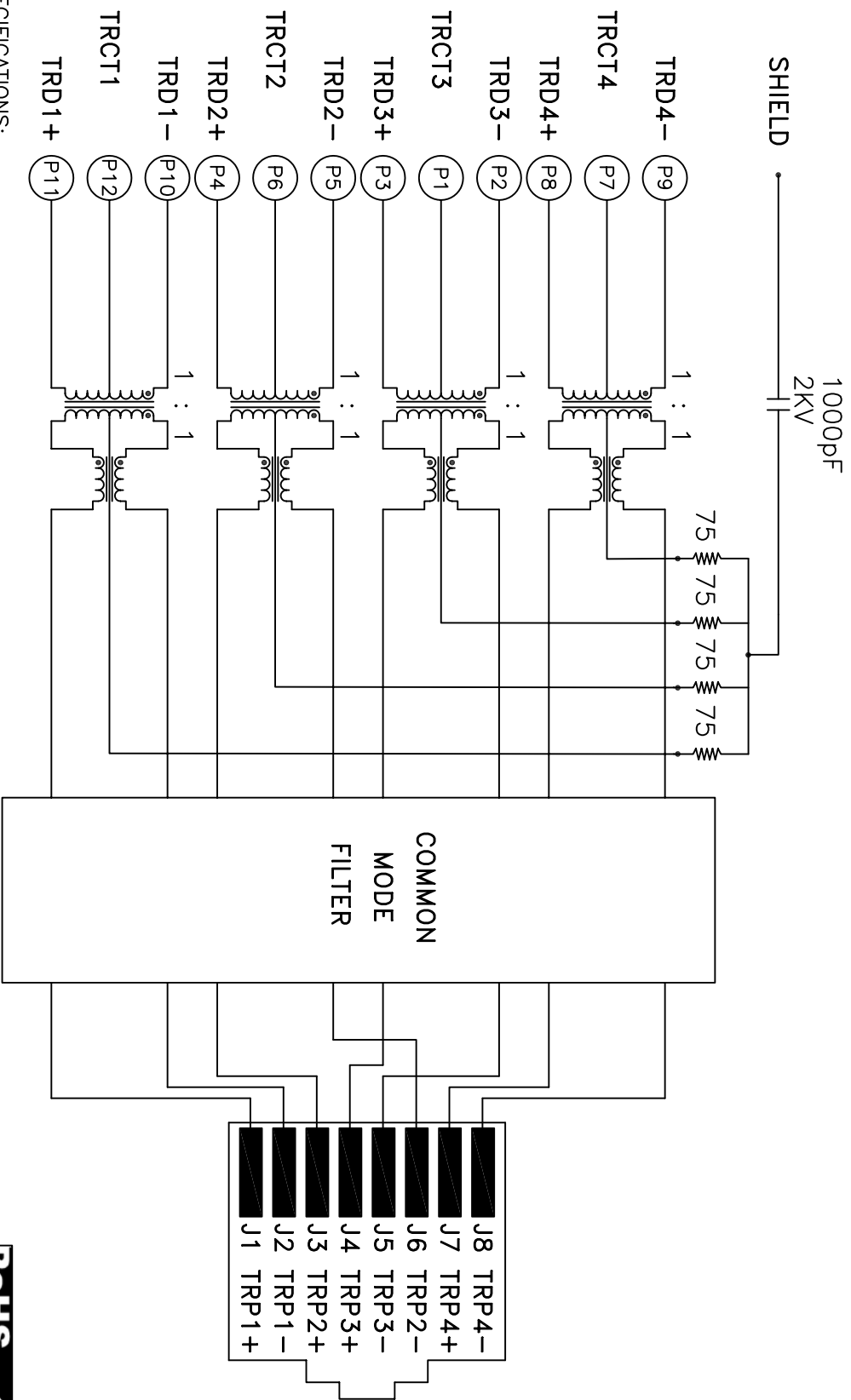




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: (P3-P2) : (J4-J5) : 1 : 1 ±2%
(P5-P4) : (J6-J3) : 1 : 1 ±2%
(P9-P8) : (J8-J7) : 1 : 1 ±2%
(P10-P11) : (J2-J1) : 1 : 1 ±2%
- 2.0 INDUCTANCE: (P3-P2) ; (P5-P4) : 350 uH MIN. @ 0.1V, 100KHZ, 8 mA DC BIAS
(P10-P11) ; (P9-P8) : 350 uH MIN. @ 0.1V, 100KHZ, 8 mA DC BIAS
- 3.0 DC RESISTANCE: (J6-J3) ; (J2-J1) ; (J7-J8) ; (J4-J5) : 2.0 ohms Max.



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4.0 INSERTION LOSS: RS=RL=100 Ohms REF
100KHz TO 125MHz : -1.1 dB TYP

5.0 RETURN LOSS: 0.5MHz TO 40MHz : -18dB MIN.
40MHz TO 100MHz : -12+20 LOG ($\frac{F}{80 \text{ MHz}}$)] dB MIN.

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

7.0 COMMON TO COMMON MODE ATTENUATION: 100KHz TO 100MHz : -35dB TYP
200MHz -35dB TYP
500MHz -30dB TYP
1GHz -30dB TYP

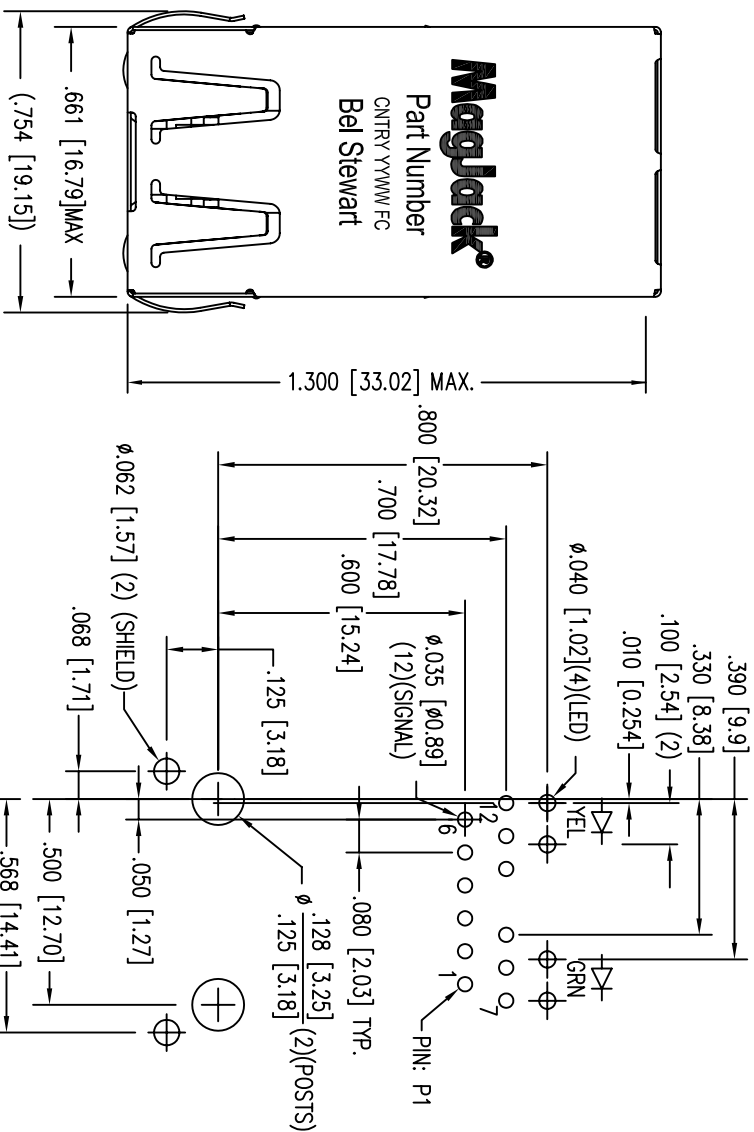
8.0 COMMON TO DIFFERENTIAL MODE ATTENUATION: 100KHz TO 100MHz : -35dB TYP
200MHz -28dB TYP
500MHz -35dB TYP
1GHz -40dB TYP

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

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

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NOTES:

1. CONNECTOR MATERIALS:

HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHEILD: COPPER ALLOY
SHEILD 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.

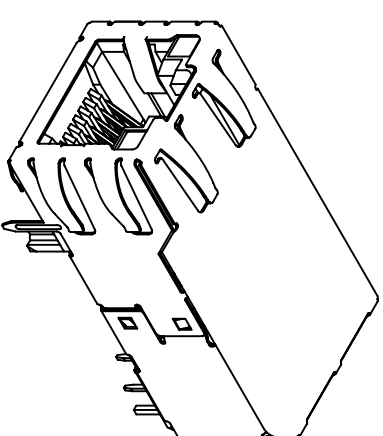
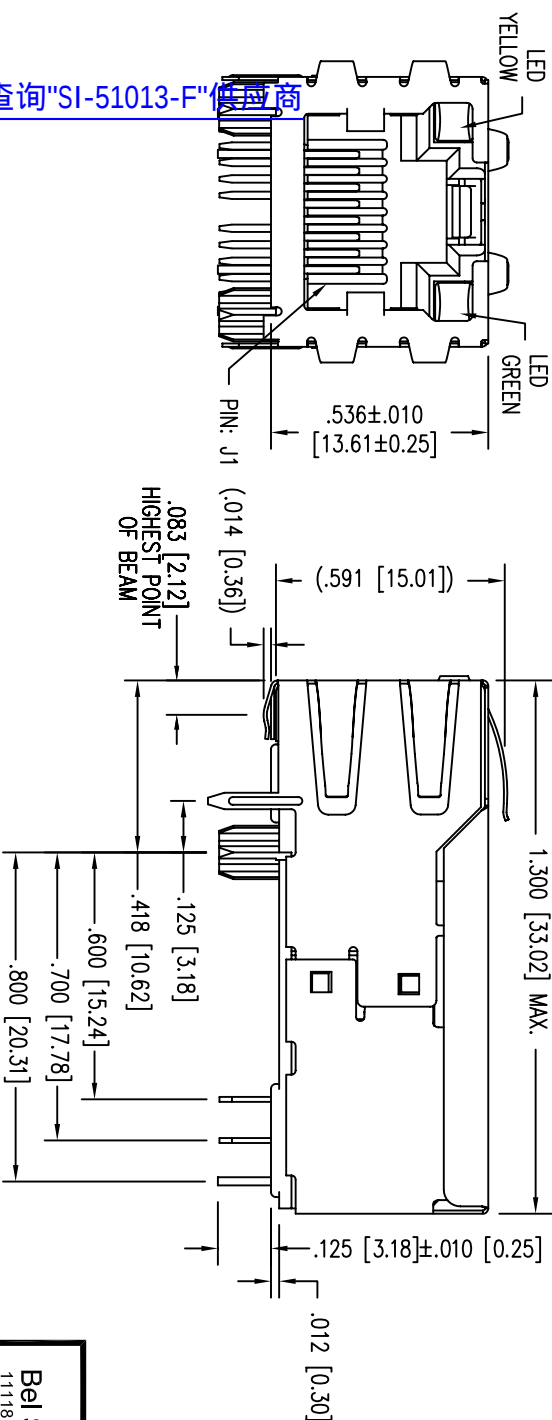
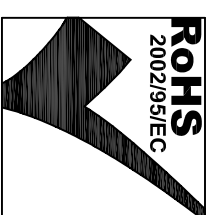
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.

4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

5. WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

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

* WITH A FORWARD CURRENT OF 20 mA (TYP)

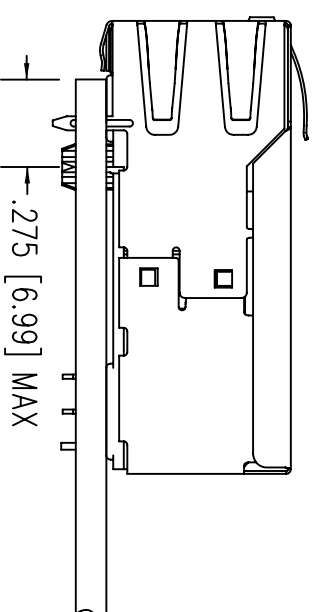
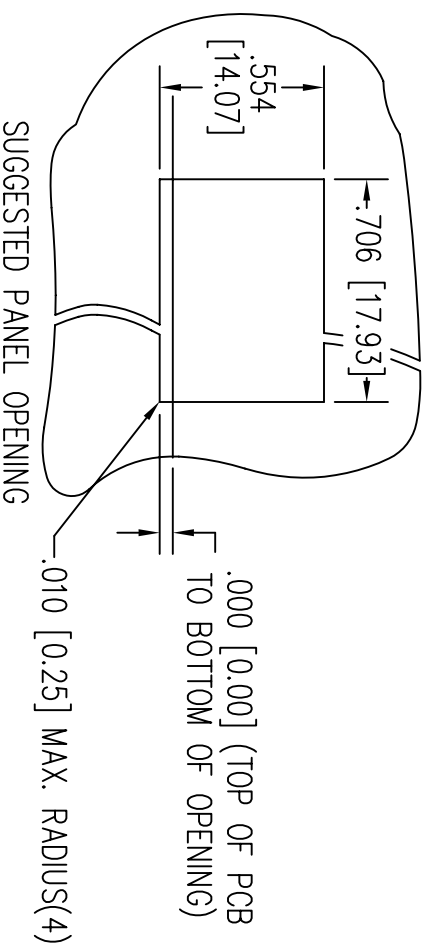


Bel Stewart Connector
11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512

http://www.stewartconnector.com



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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 $\pm .005$ [0.13]

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MagJack

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4 OF 4

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REV.
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