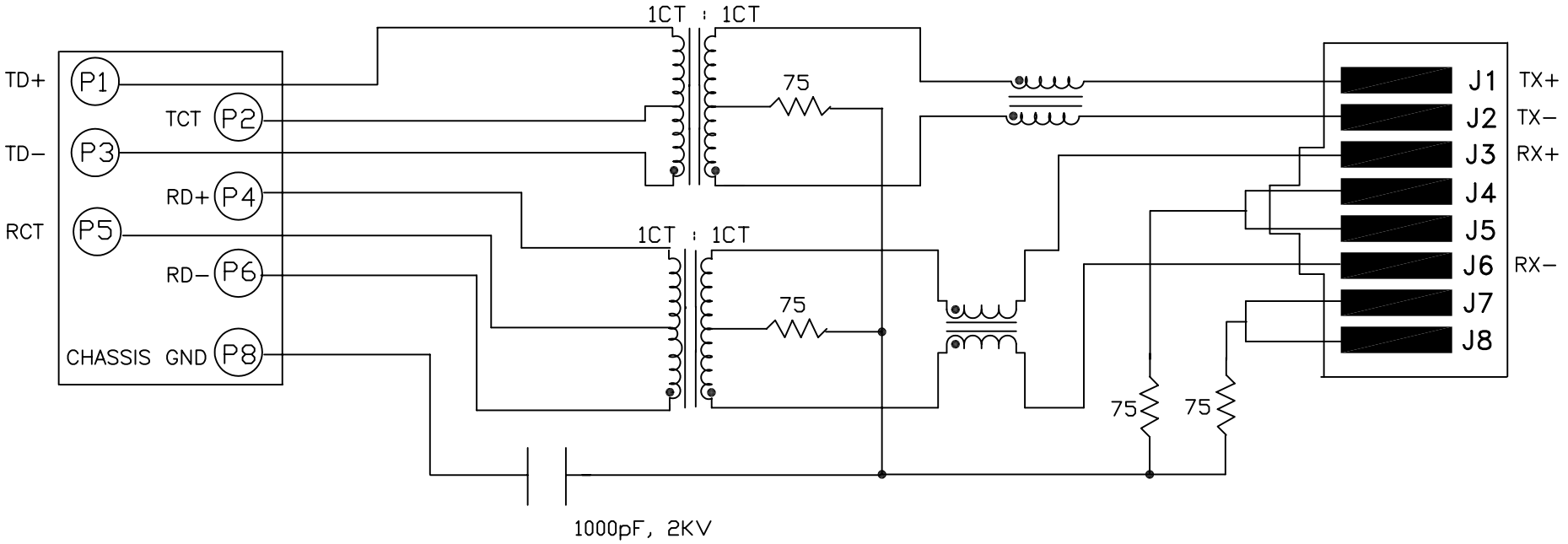


NOTE:

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) : 1.35 ohms Max.

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MagJack®

http://www.stewartconnector.com

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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

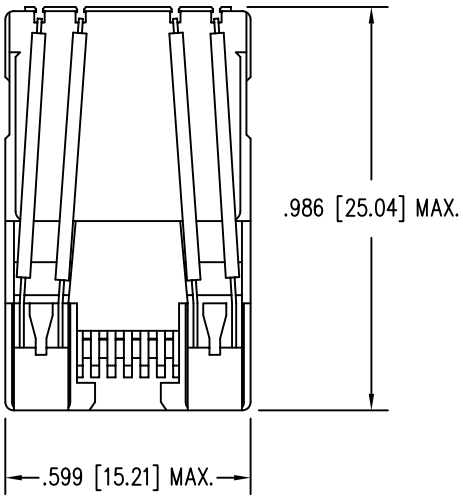
OUTPUT VOLTAGE = 1 V peak	:	3.0 nS MAX
PULSE WIDTH= 112nS	:	3.0 nS MAX

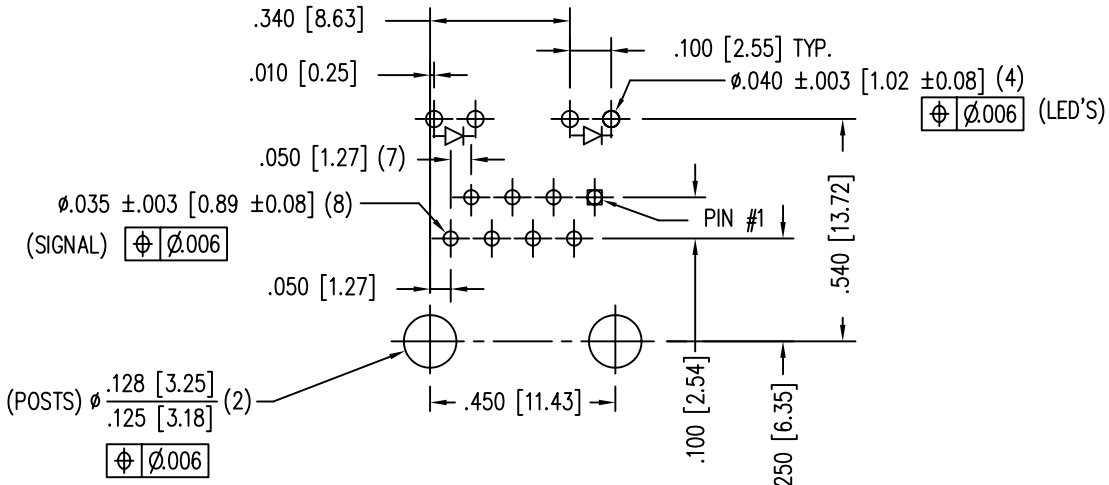
10.0 CROSS TALK: 1−100 MHz : 40 dB TYP

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

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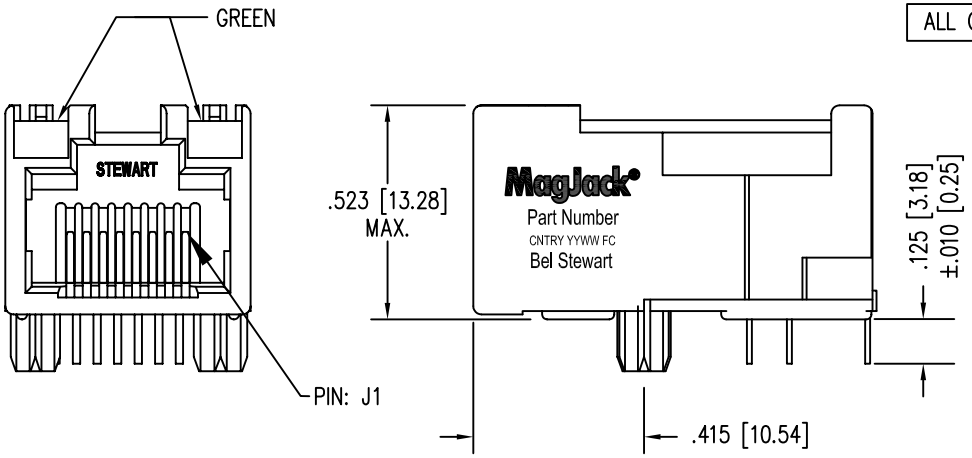
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P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.



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

*WITH A FORWARD CURRENT OF 20 mA (TYP)

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. WAVE SOLDER COMPATIBLE – PREHEAT 125°C/90SECS.

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