



ELECTRICAL SPECIFICATIONS:

DESIGNED FOR OPERATION FROM -40 TO 85 degrees C

1.0 INDUCTANCE: (P2-P3) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P4-P5) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P6-P7) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P8-P9) : 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%
(P6-P7) : (J4-J5) : 1CT : 1CT $\pm$ 2%
(P8-P9) : (J7-J8) : 1CT : 1CT $\pm$ 2%

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.

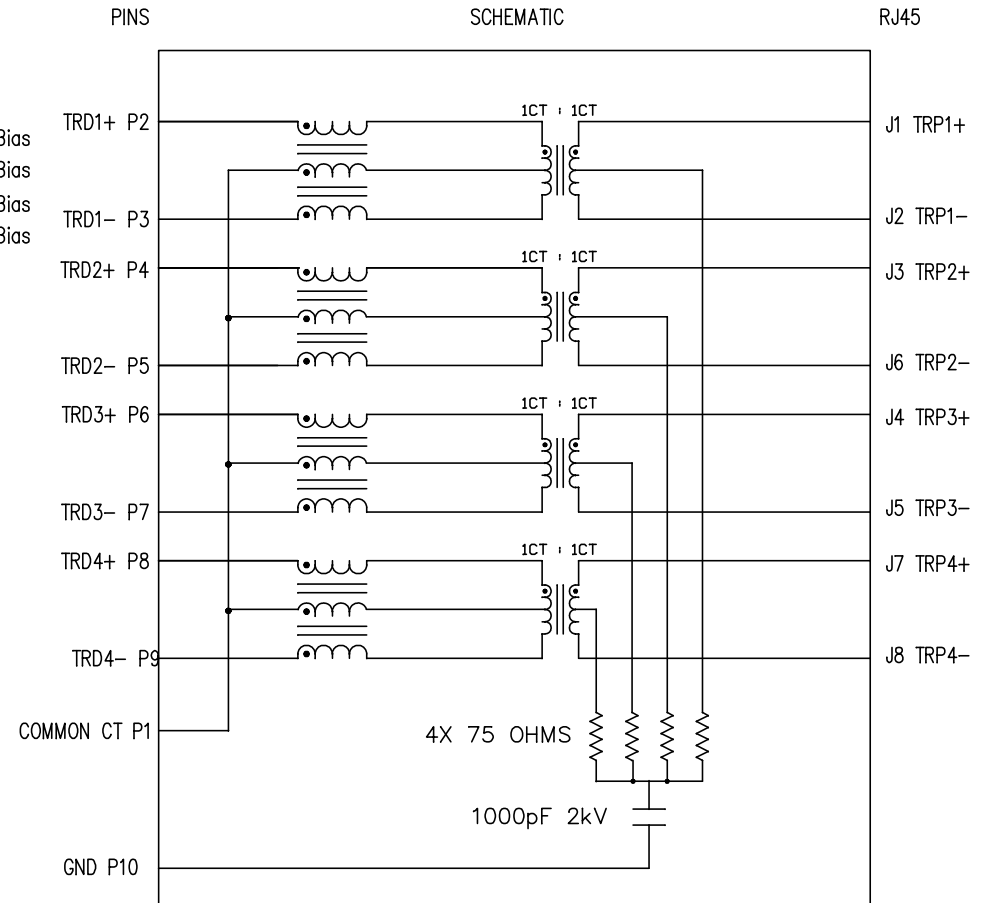
5.0 CROSS TALK: Ch1-Ch2, Ch1-Ch3, Ch1-Ch4, Ch2-Ch3, Ch2-Ch4, Ch3-Ch4
1MHz TO 30MHz : -35dB MIN.
30MHz TO 80MHz : -24dB MIN.
80MHz TO 100MHz : -25dB MIN.

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 (P6, P7) : 1500 Vrms
(J7, J8) TO (P8, P9) : 1500 Vrms

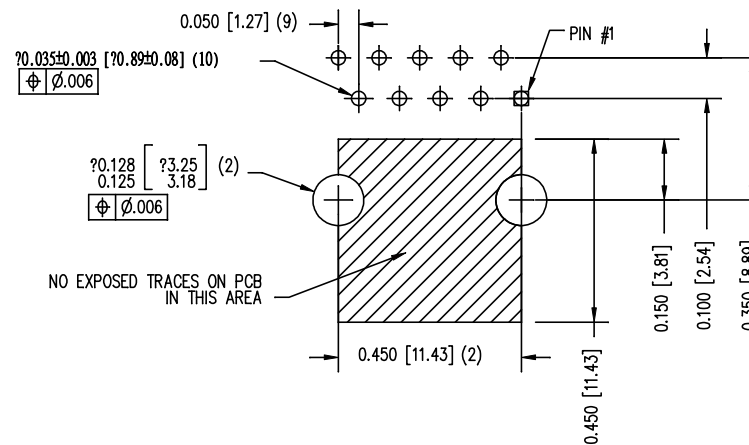
9.0 THIS COMPNENT IS A PATENT PRODUCT;US PATENT NUMBER 7,123,117.



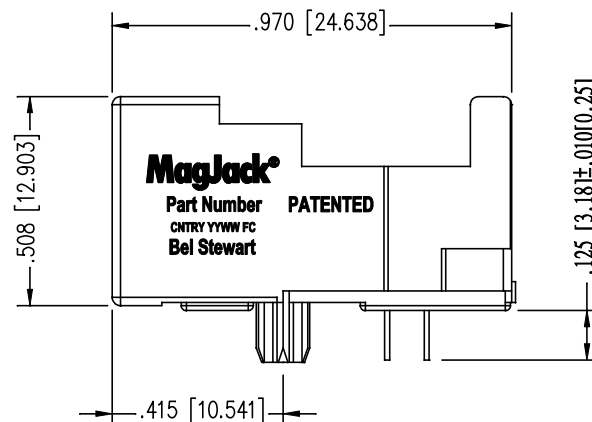
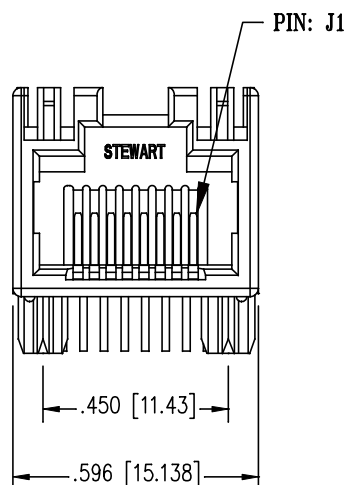
ORIGINATED BY		DATE	TITLE MagJack® TAB UP UNSHIELDED 10/100/1000BT PATENTED	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
RS Zhang		04-15-10		SI-51025-F		TOL. IN INCH		UNIT : INCH [mm]	REV. : 01	
DRAWN BY		DATE		FILE NAME		.X		SCALE : N/A	SIZE : A4	
RS Zhang		04-15-10		SI-51025-F.DWG		.XX			PAGE : 2	
						.XXX	±0.005			

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RoHS
2002/95/EC



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
ALL CENTERLINE DIMENSIONS ARE BASIC



NOTES:

- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT: COPPER ALLOY
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 ± 0.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

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