

ELECTRICAL CHARACTERISTICS @ 25°C

1.0 INDUCTANCE:

(P2-P3)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
(P4-P5)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
(P7-P8)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
(P9-P10)	:	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%
(P7-P8):(J4-J5)	:	1CT : 1CT $\pm$ 2%
(P9-P10):(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.
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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.
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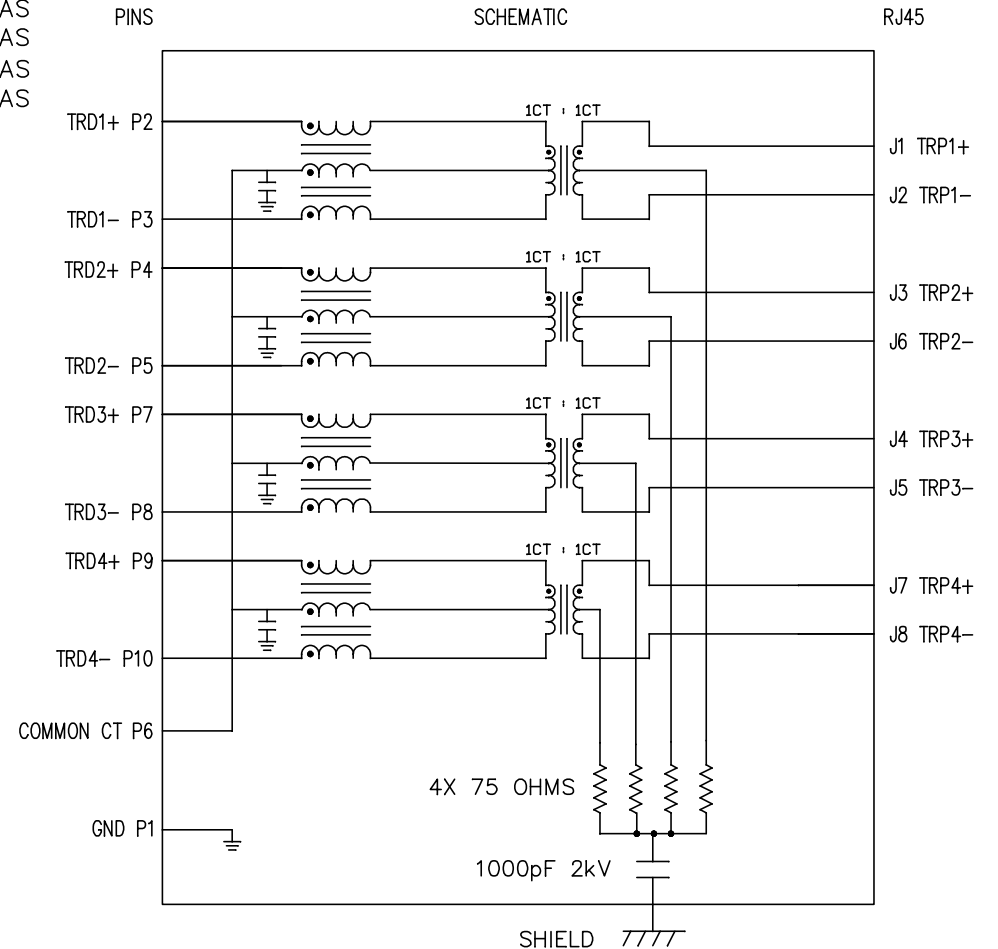
7.0 CM TO DM REJECTION:

100kHz TO 100MHz	:	-35dB MIN.
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8.0 VOLTAGE WITHSTAND:

(J1,J2) TO (P2,P3)	:	1500Vrms
(J3,J6) TO (P4,P5)	:	1500Vrms
(J4,J5) TO (P7,P8)	:	1500Vrms
(J7,J8) TO (P9,P10)	:	1500Vrms

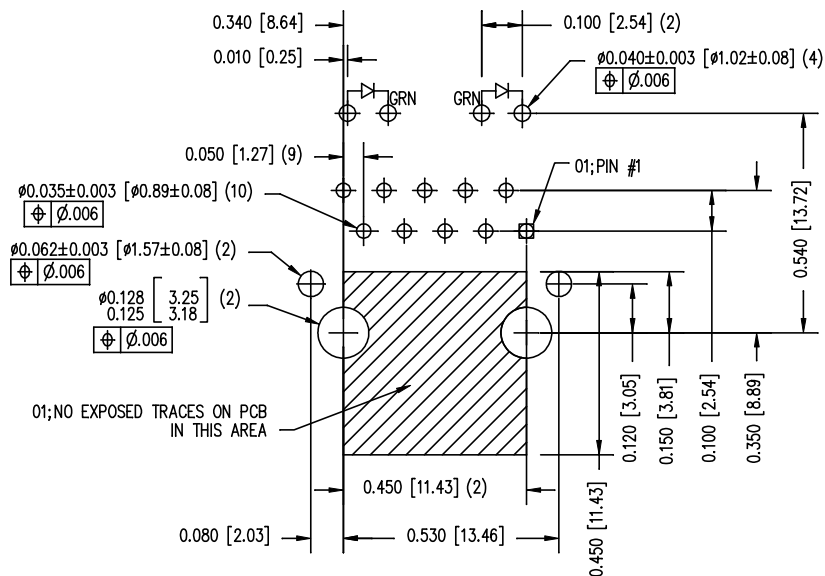
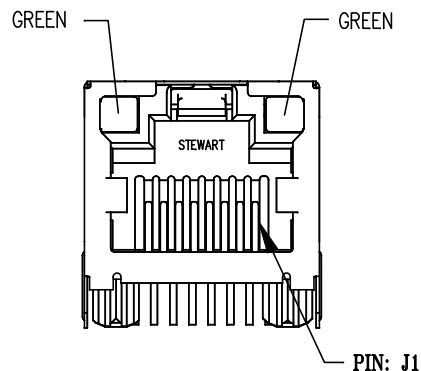
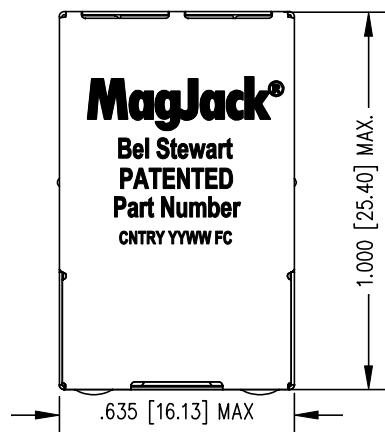
9.0 THIS COMPONENT IS A PATENT PRODUCT;US PATENT NUMBER 7,123,117.



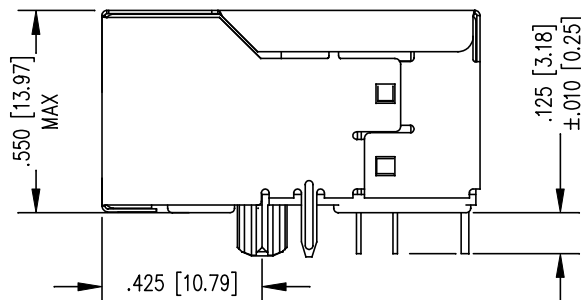
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		
				TOL. IN INCH		UNIT : INCH [mm]	REV. : A0	
RS Zhang	03-10-10	MagJack® 10/100/1000BT TAB UP SHIELDED PATENTED	SI-51020-F	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE			.XX				
RS Zhang	03-10-10			.XXX	±0.005		PAGE : 2	

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RoHS
2002/95/EC



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	2.2 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)

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 ± 0.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

ORIGINATED BY		DATE		TITLE MagJack® 100/100/1000BT TAB UP SHIELDED PATENTED	PART NO. / DRAWING NO.		STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET		
RS Zhang		03-10-10			SI-51020-F		TOL. IN INCH		UNIT : INCH [mm]			REV. : A0	
DRAWN BY		DATE			FILE NAME		.X		SCALE : N/A			SIZE : A4	
RS Zhang		03-10-10			SI-51020-F.DWG		.XX					PAGE : 3	
							.XXX						
							±0.005						