

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 ± 2%
(P4-P5):(J3-J6)	1CT : 1CT ± 2%
(P7-P8):(J4-J5)	1CT : 1CT ± 2%
(P9-P10):(J7-J8)	1CT : 1CT ± 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:

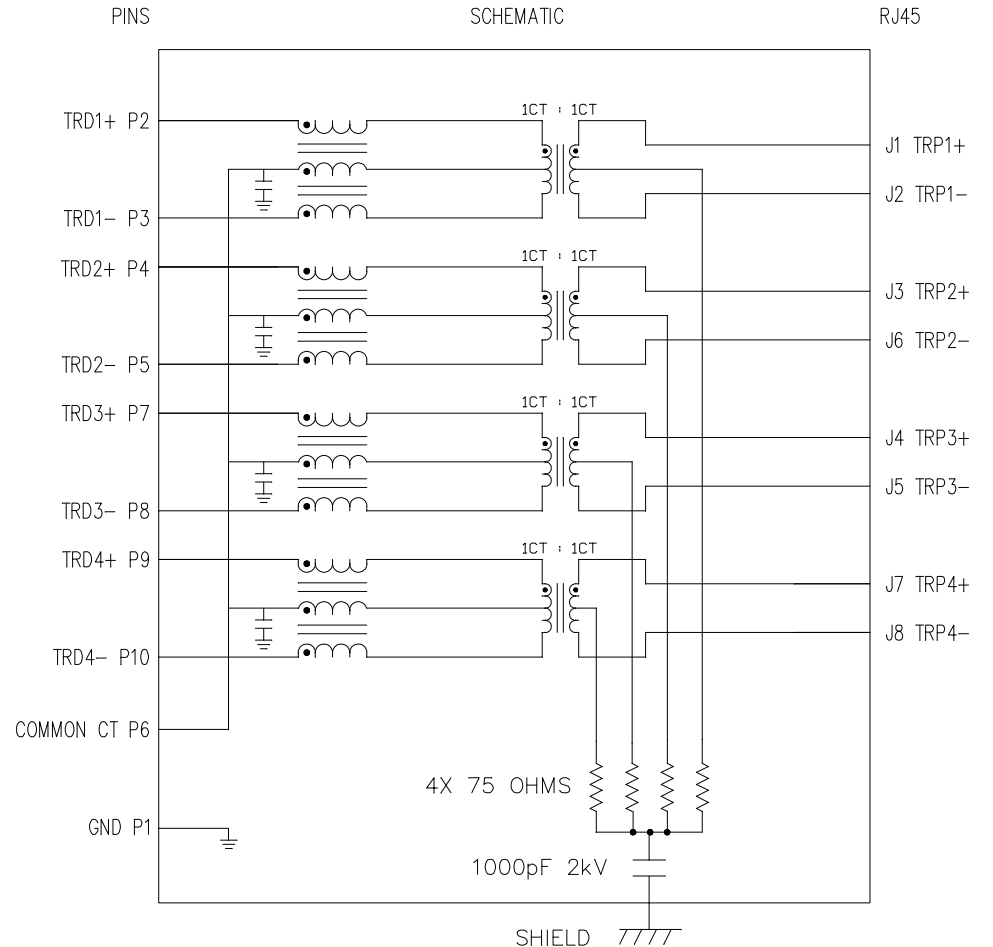
100kHz TO 100MHz	-30dB MIN.
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7.0 CM TO DM REJECTION:

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

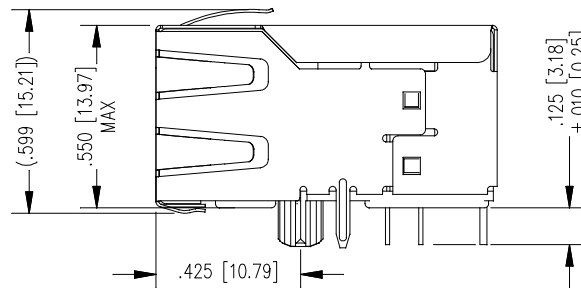
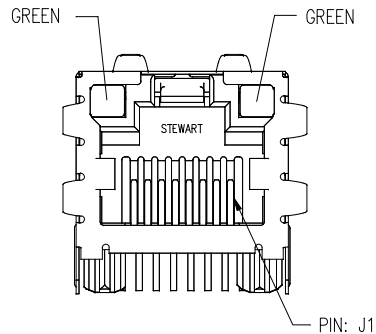
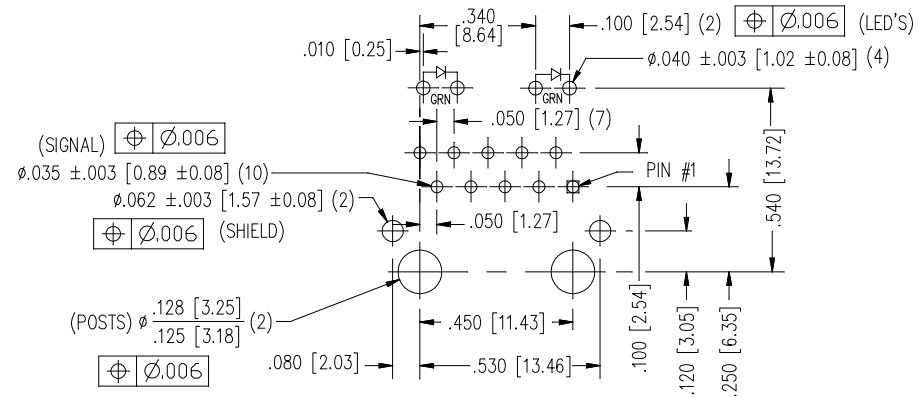
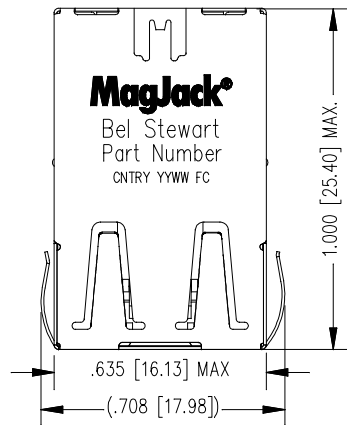
(J1,J2) TO (P2,P3)	1500Vrms
(J3,J6) TO (P4,P5)	1500Vrms
(J4,J5) TO (P7,P8)	1500Vrms
(J7,J8) TO (P9,P10)	1500Vrms



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
Bain Liu	10-16-08	MagJack® TAB UP, SHIELDED 10/100/1000BT	SI-51005-FB	TOL. IN INCH	UNIT : INCH [mm] REV. : 01
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
LW Yuan	10-16-08		SI-51005-FB.DWG	.XX .XXX ±0.005	PAGE : 1

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RoHS
2002/95/EC



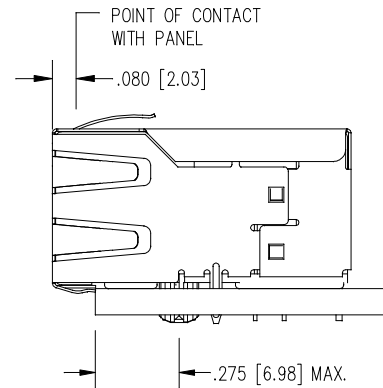
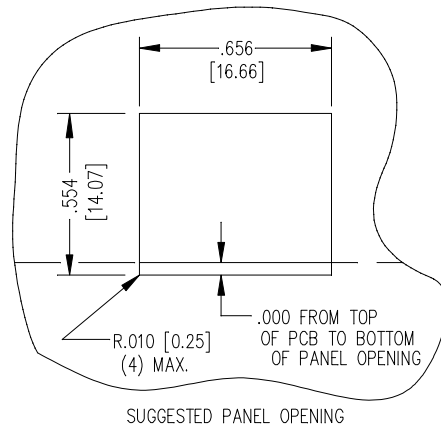
LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)

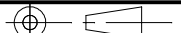
NOTES:

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. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

ORIGINATED BY	DATE	TITLE MagJack® TAB UP, SHIELDED 10/100/1000BT	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A COMMITTED PLANET	
Bain Liu	10-16-08		SI-51005-FB	TOL. IN INCH		UNIT : INCH [mm]			REV. : 01
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A			SIZE : A4
LW Yuan	10-16-08		SI-51005-FB.DWG	.XX					PAGE : 2
				.XXX	±0.005				



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]

ORIGINATED BY	DATE	TITLE MagJack® TAB UP, SHIELDED 10/100/1000BT	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
Bain Liu	10-16-08		SI-51005-FB	TOL. IN INCH	UNIT : INCH [mm]	REV. : 01	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
LW Yuan	10-16-08		SI-51005-FB.DWG	.XX		PAGE : 3	
				.XXX	± 0.005		