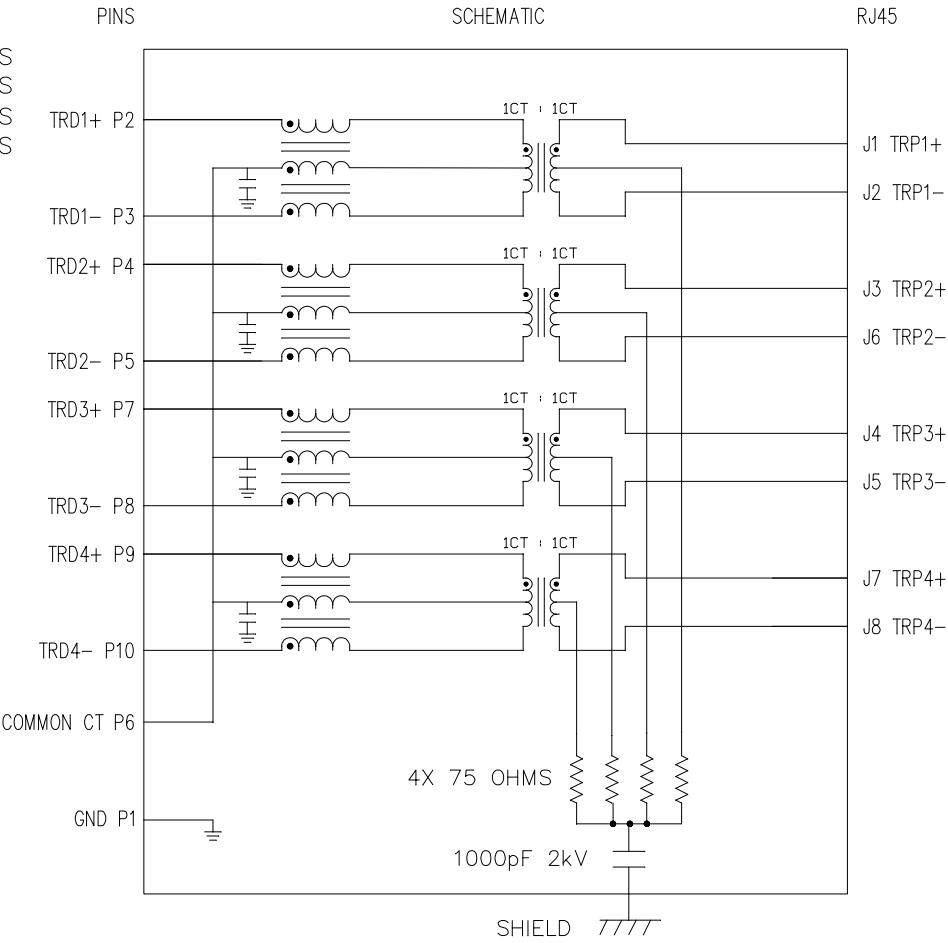


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ELECTRICAL CHARACTERISTICS @ 25°C

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.
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)	: 1500Vrms
(J3,J6) TO (P4,P5)	: 1500Vrms
(J4,J5) TO (P7,P8)	: 1500Vrms
(J7,J8) TO (P9,P10)	: 1500Vrms

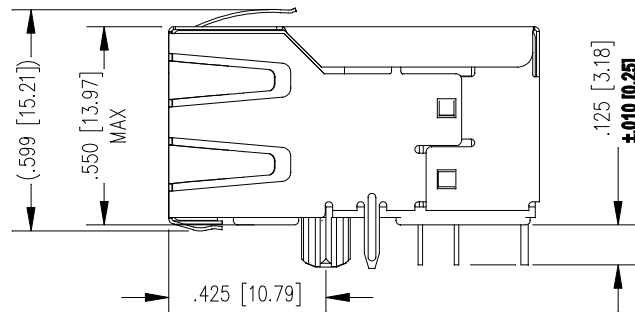
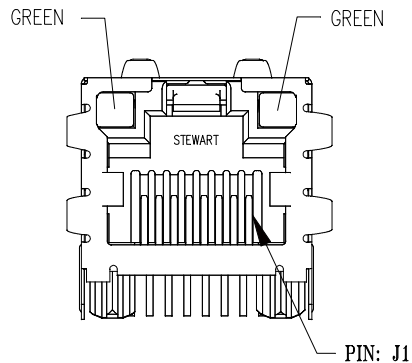
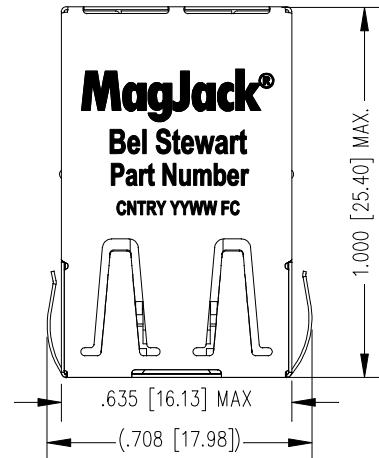


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
Bain Liu	02-10-09	MagJack® 10/100/1000BT TAB UP, SHIELDED	SI-51005-F	TOL. IN INCH	UNIT : INCH [mm] REV. : A0
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
LW Yuan	02-10-09		SI-51005-F.DWG	.XX	PAGE : 2
				.XXX	±0.005



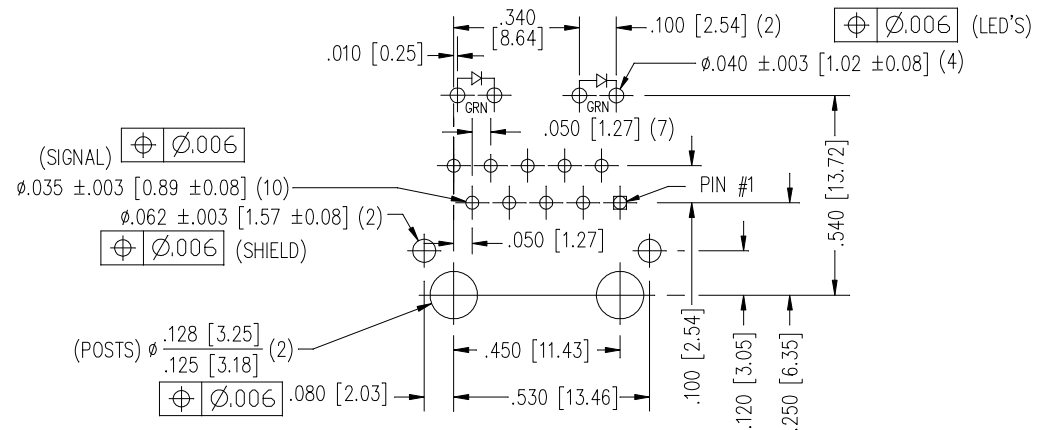
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RoHS
2002/95/EC



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)



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

ALL CENTERLINE DIMENSIONS ARE BASIC.

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
Bain Liu	02-10-09
DRAWN BY	DATE
LW Yuan	02-10-09

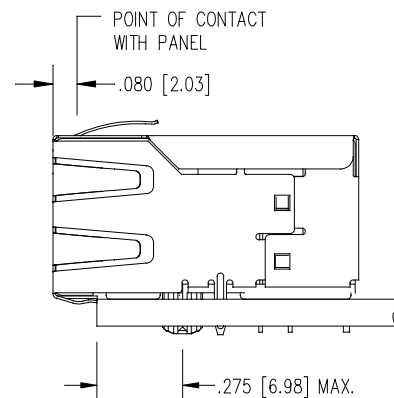
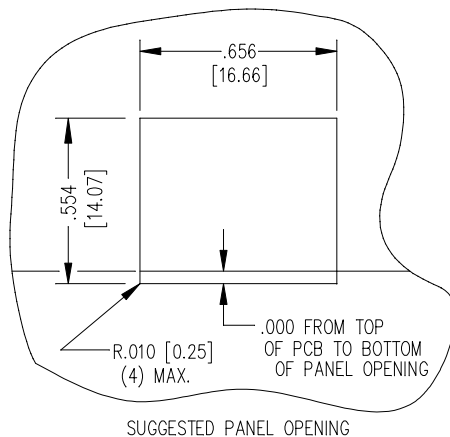
TITLE
MagJack® 10/100/1000BT TAB UP, SHIELDED

PART NO. / DRAWING NO.
SI-51005-F
FILE NAME
SI-51005-F.DWG

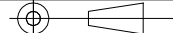
STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX	±0.005
	REV. : A0
	SIZE : A4
	PAGE : 3



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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 ± 0.005 [0.13]

ORIGINATED BY	DATE	TITLE  10/100/1000BT TAB UP, SHIELDED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
Bain Liu	02-10-09		SI-51005-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : A0	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
LW Yuan	02-10-09		SI-51005-F.DWG	.XX			PAGE : 4	
				.XXX	± 0.005			