

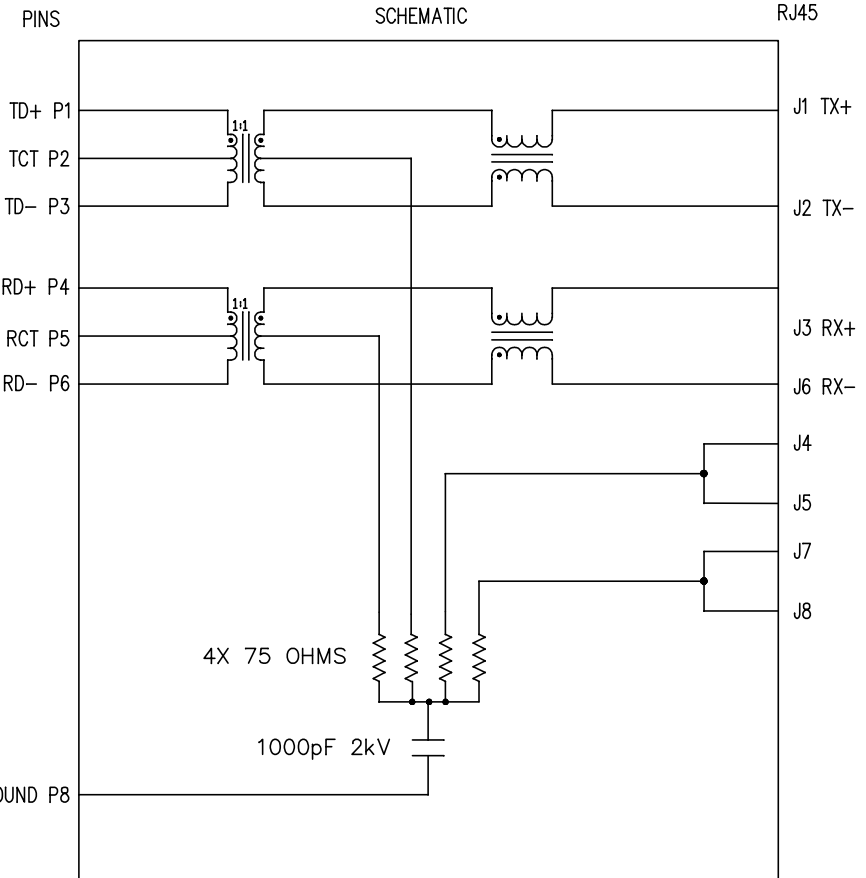
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**ELECTRICAL CHARACTERISTICS @ 25°C**

OPERATING TEMPERATURE RANGE: -40°C TO +85°C

- 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 INDUCTANCEP6-P4 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHZ  
P3-P1 (WITH J2 AND J1 SHORT) : 0.3uH 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) : 1.5 ohms Max.
- 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(V1, J2) TO (P1, P3) : 1500 Vrms  
(J3, J6) TO (P4, P6) : 1500 Vrms
- 8.0 INSERTION LOSSRS=RL=100 ohms : 1.1 dB TYP  
100KHz TO 100MHZ
- 9.0 RISE TIMERS=100 OHMS AND RL = 100 OHMS : 3.0 nS MAX  
OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX  
PULSE WIDTH= 112nS
- 10.0CROSS TALK:1-100 MHz : 40 dB TYP
- 11.0COMMON TO COMMON MODE ATTENUATION100MHz TO 100MHZ : 35dB TYP



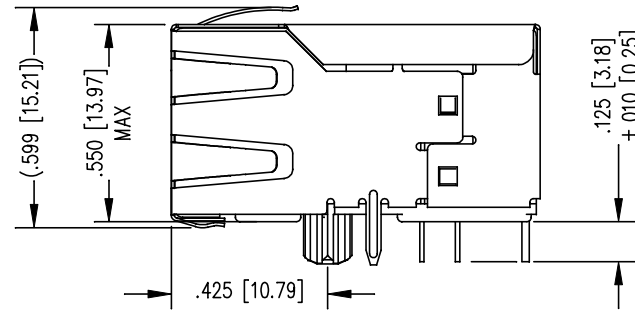
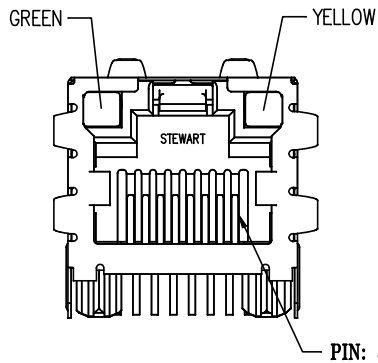
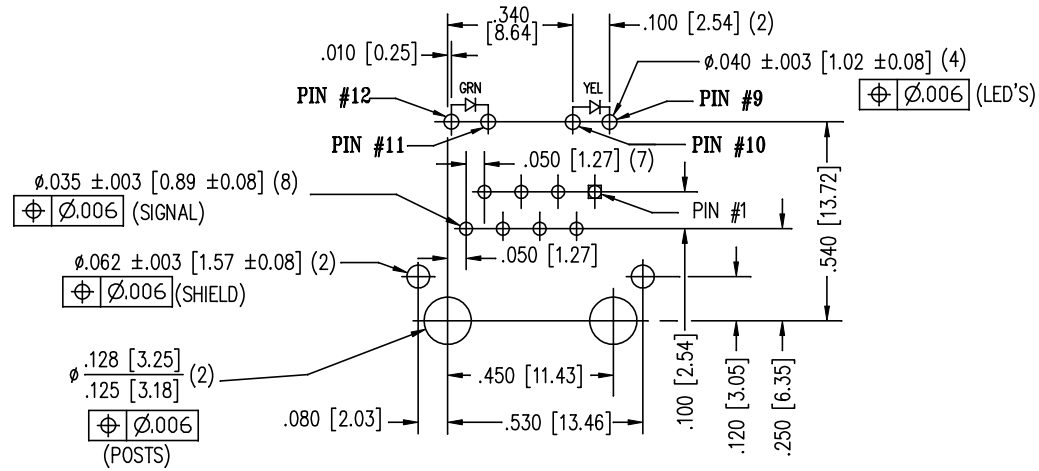
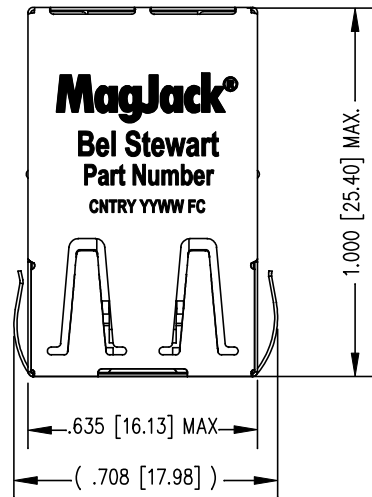
**NOTES**

1.0 COMPLIES WITH THE EUROPEAN DIRECTIVE 2002/95/EC, CALLING FOR THE ELIMINATION OF LEAD AND OTHER HAZARDOUS SUBSTANCES FROM ELECTRONIC PRODUCTS.

2.0 UNUSED PIN P7 IS OMITTED.

ORIGINATED BY Bain Liu	DATE 03-09-09	TITLE <b>MagJack®</b> 10/100BT TAB UP, SHIELDED	PART NO. / DRAWING NO. SI-55004-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.005	[ ] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A	REV. : 01 SIZE : A4 PAGE : 2	<b>bel</b> COMPONENTS ON A CONNECTED PLANET
DRAWN BY LW Yuan	DATE 03-09-09		FILE NAME SI-55004-F.DWG				

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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 ±.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE-260°C FOR 10 SECONDS MAX.

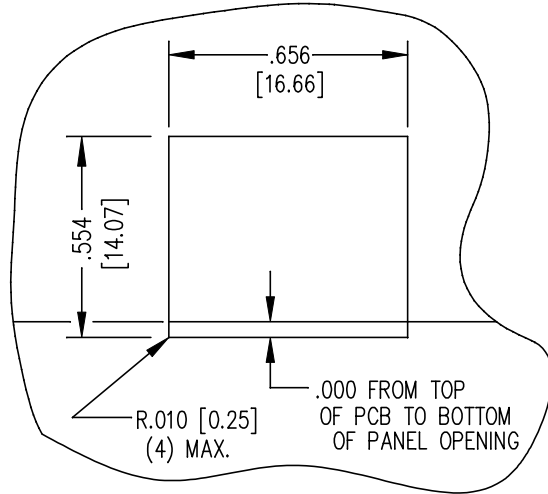
LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	*(TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

\*WITH A FORWARD CURRENT OF 20 mA (TYP)

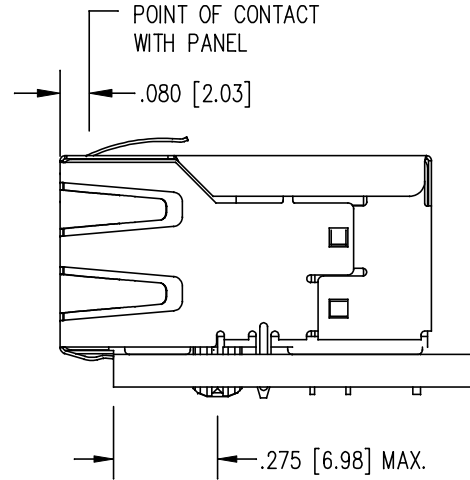
ORIGINATED BY Bain Liu	DATE 03-09-09	TITLE <b>MagJack®</b> 10/100BT TAB UP, SHIELDED	PART NO. / DRAWING NO. SI-55004-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.005	[ ] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A	REV. : 01 SIZE : A4 PAGE : 3	<b>bel</b> COMPONENTS FOR A CONNECTED PLANET
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RoHS  
2002/95/EC



SUGGESTED PANEL OPENING



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  $\pm 0.005$  [0.13]

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
Bain Liu	03-09-09	<b>MagJack®</b> 10/100BT TAB UP, SHIELDED	SI-55004-F	.X	UNIT : INCH [mm] REV. : 01
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
LW Yuan	03-09-09		SI-55004-F.DWG	.XXX	±0.005
					PAGE : 4

