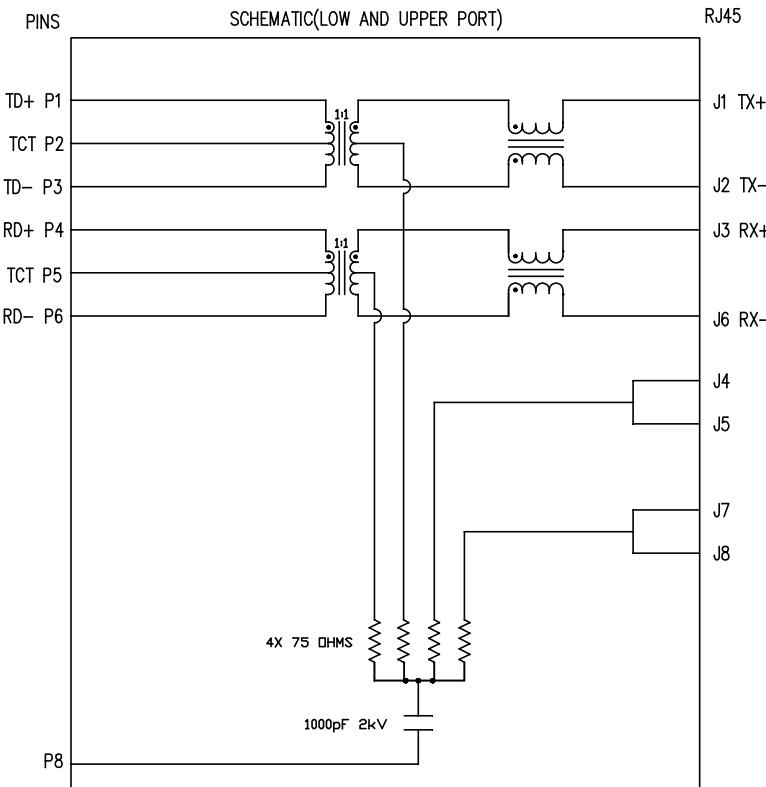




ELECTRICAL CHARACTERISTICS @ 25° C

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO:(P1-P2-P3) : (J1-J2)	: 0° C TO +70° C
(P4-P5-P6) : (J3-J6)	: 1CT : 1 ± 3% : 1CT : 1 ± 3%
2.0 INDUCTANCE: (P6-P4)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P3-P1)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0 LEAKAGE INDUCTANCE: P6-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 TYP @ 1MHz
(P3,P2,P1) TO (J2,J1)	: 30pf TYP @ 1MHz
5.0 DC RESISTANCE: (J6-J3)=(J1-J2)	: 1.2 ohms Max.
(P6-P4)	: .55 ohms Max.
(P3-P1)	: .55 ohms Max.
<u>RECEIVE</u>	
6.0 RETURN LOSS 1MHz TO 30MHz	: 18dB MIN.
60MHz TO 80MHz	: 12dB MIN.
7.0 DIELECTRIC WITHSTAND (J1, J2) TO (P1, P2)	: 1500 VAC
(J3, J6) TO (P3, P6)	: 1500 VAC
8.0 INSERTION LOSS RS=RL=100 ohms	: 1.1 dB TYP
100KHz TO 100MHz	
9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS	: 3.0 nS MAX
OUTPUT VOLTAGE = 1 V peak	
PULSE WIDTH= 112nS	: 3.0 nS MAX
10.0 CROSS TALK: 1MHz TO 100MHz	: 40 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION MHz TO 100MHz	: 35dB TYP

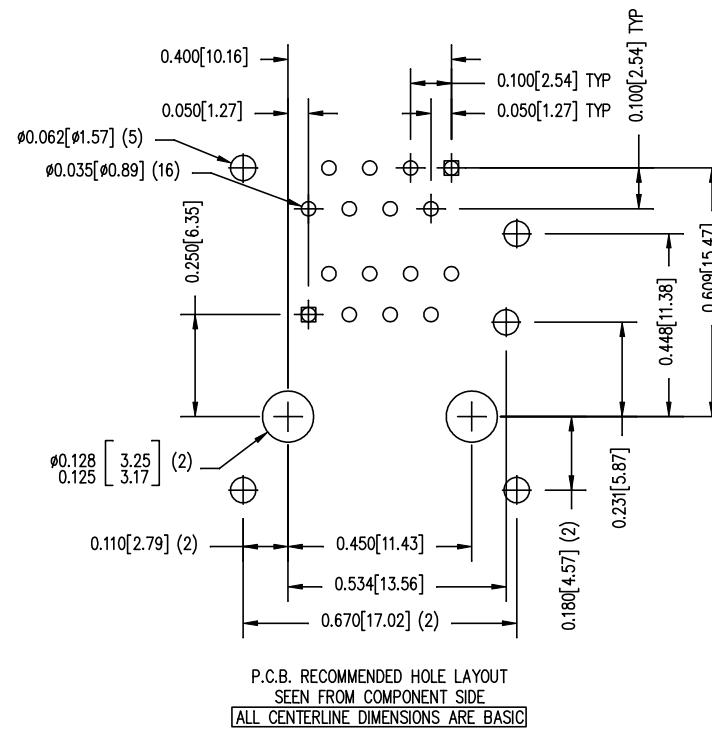
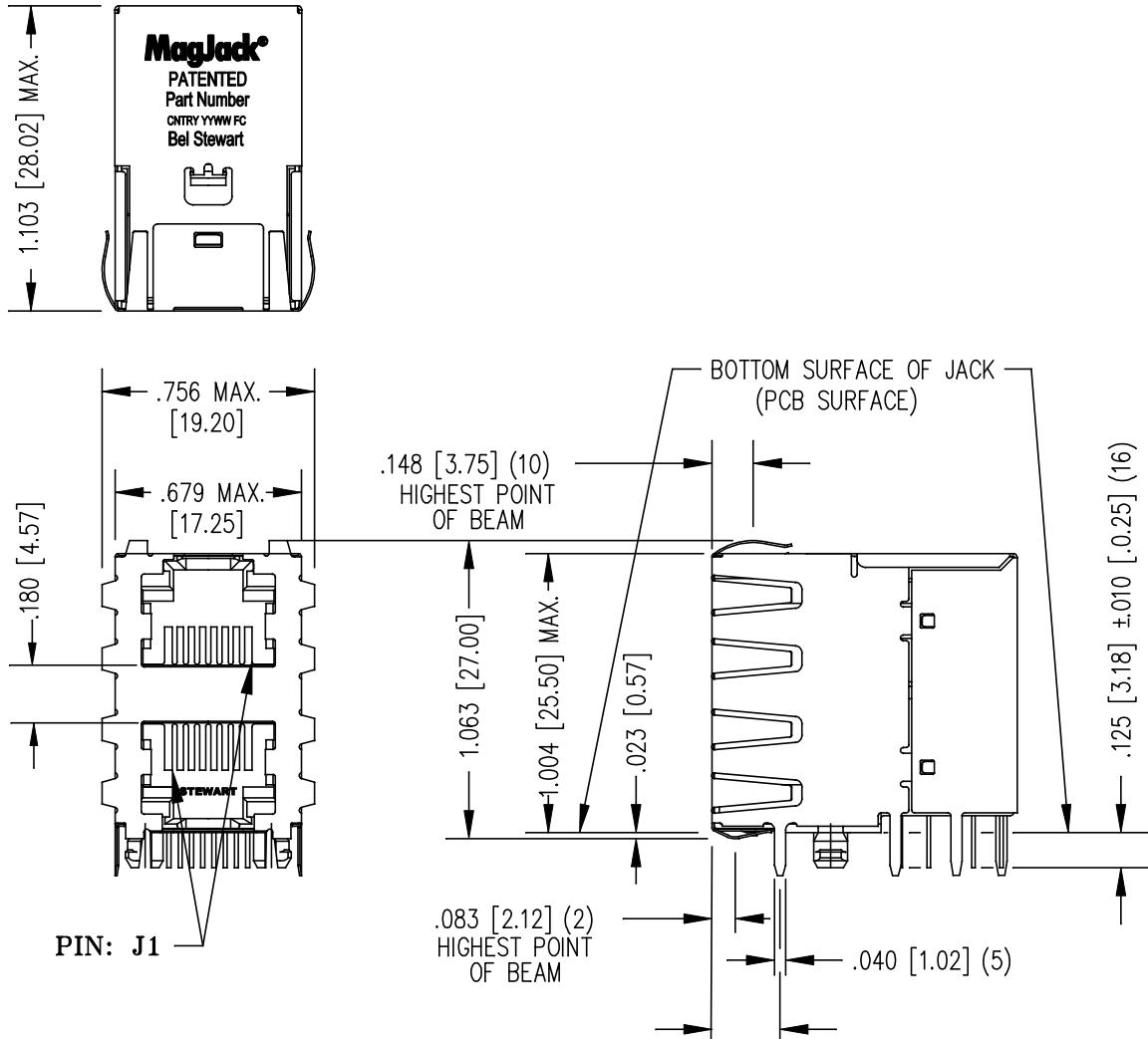


NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET™
DRAWN BY	DATE			TOL. IN INCH	UNIT : INCH [mm]	REV. : A0	SCALE : N/A	
Zeng Xiao Chun	2011-08-18	MagJack® 10/100BT STACK JACK, SHIELDED PATENTED	SI-30107-F	.X				
Zhang Ru Sheng	2011-08-18		SI-30107-F.DWG	XX				
				XXX	±0.005			

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WRITTEN APPROVAL OF BEL FUSE INC.



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 $\pm .005$ [0.13]
5. WAVE SOLDER COMPATIBLE – PREHEAT 125°C/90SECS.

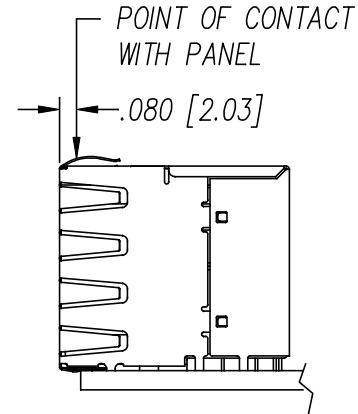
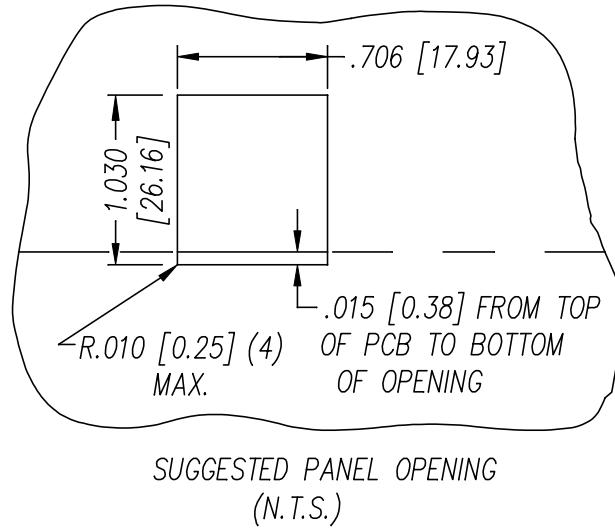
ORIGINATED BY	DATE
Zeng Xiao Chun	2011-08-18
DRAWN BY	DATE
Zhang Ru Sheng	2011-08-18

TITLE		PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
		SI-30107-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0
		FILE NAME	.X	XX	XXX
		SI-30107-F.DWG		±0.005	

bel
COMPONENTS FOR A
CONNECTED PLANET™

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RoHS



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 $\pm .005$ [0.13]

ORIGINATED BY	DATE	TITLE	MagJack® 10/100BT STACK JACK, SHIELDED PATENTED	PART NO. / DRAWING NO. SI-30107-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE				XX	XX	SCALE : N/A	SIZE : A4
Zeng Xiao Chun	2011-08-18	Zhang Ru Sheng	2011-08-18	SI-30107-F.DWG	XXX	± 0.005		PAGE : 4

bel
COMPONENTS FOR A
CONNECTED
PLANET™