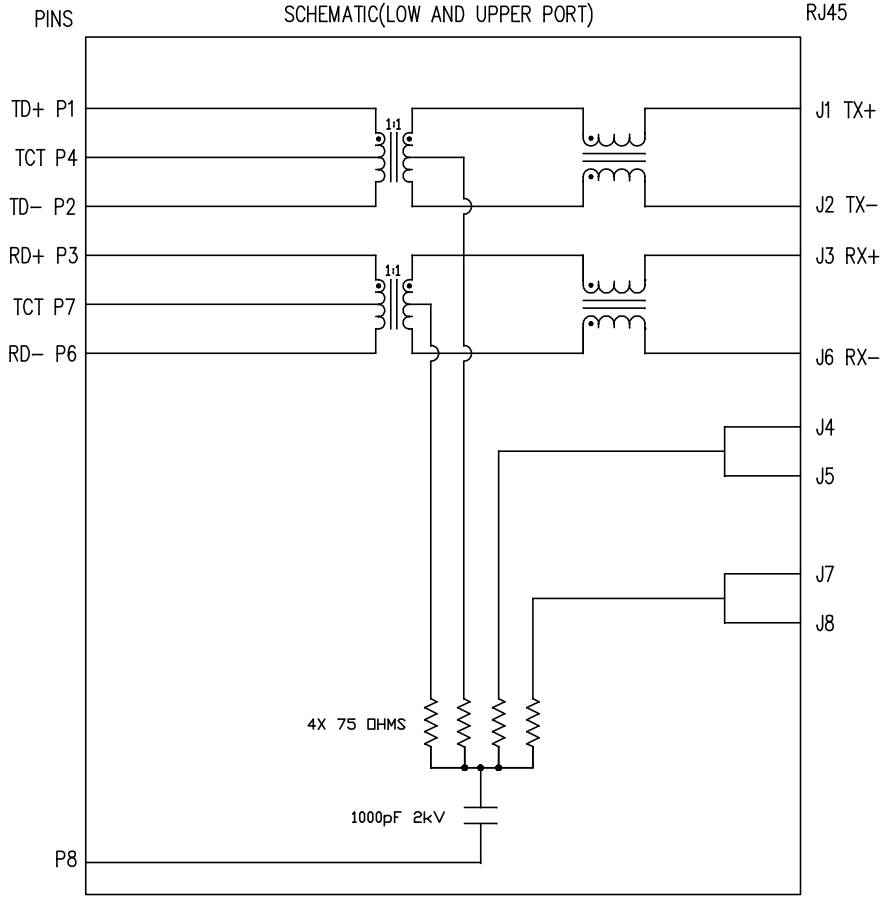
RoHS

ELECTRICAL CHARACTERISTICS @ 25° C

ELECTRICAL SPECIFICATIONS:

1.0	TURNS RATIO: (P1-P4-P2) : (J1-J2)	:	1CT : 1 ±3%
	(P3-P7-P6) : (J3-J6)	:	1CT : 1 ±3%
2.0	INDUCTANCE: (P6-P3)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
	(P2-P1)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0	LEAKAGE INDUCTANCE: P6-P3 (WITH J6 AND J3 SHORT)	:	0.3uH MAX. @ 1MHz
	P2-P1 (WITH J2 AND J1 SHORT)	:	0.3uH MAX. @ 1MHz
4.0	INTERWINDING CAPACITANCE: (P6,P7,P3) TO (J6,J3)	:	30pF MAX @ 1MHz
	(P2,P4,P1) TO (J2,J1)	:	30pF MAX @ 1MHz
5.0	DC RESISTANCE: (J6-J3)=(J1-J2)	:	1.2 ohms Max.
	(P6-P3)	:	.7 ohms Max.
	(P2-P1)	:	.7 ohms Max.
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		
	100KHz TO 100MHz	:	1.1 dB TYP
9.0	RISE TIME: RS=100 OHMS AND RL = 100 OHMS		
	OUTPUT VOLTAGE = 1 V peak	:	3.0 nS MAX
	PULSE WIDTH= 112nS	:	3.0 nS MAX
10.0	CROSS TALK: 1MHz TO 100MHz	:	40 dB TYP
11.0	COMMON TO COMMON MODE ATTENUATION:		
	1MHz TO 100MHz	:	35dB TYP



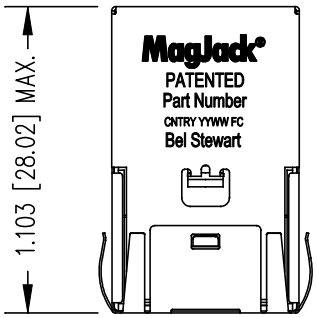
NOTES

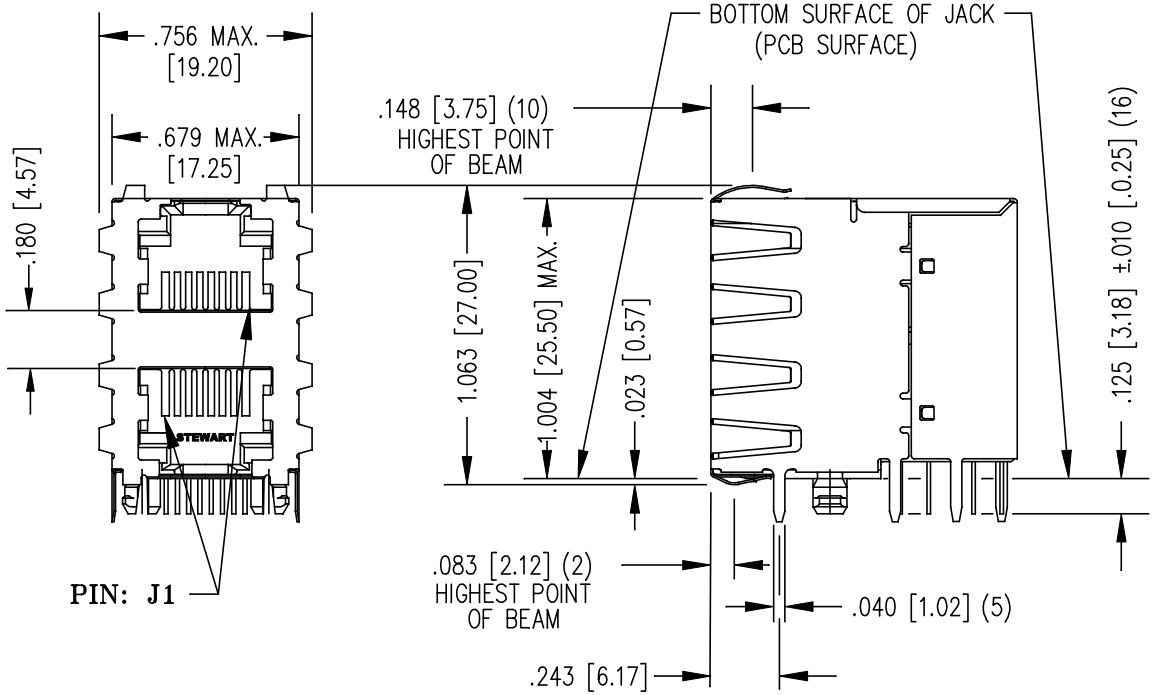
1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

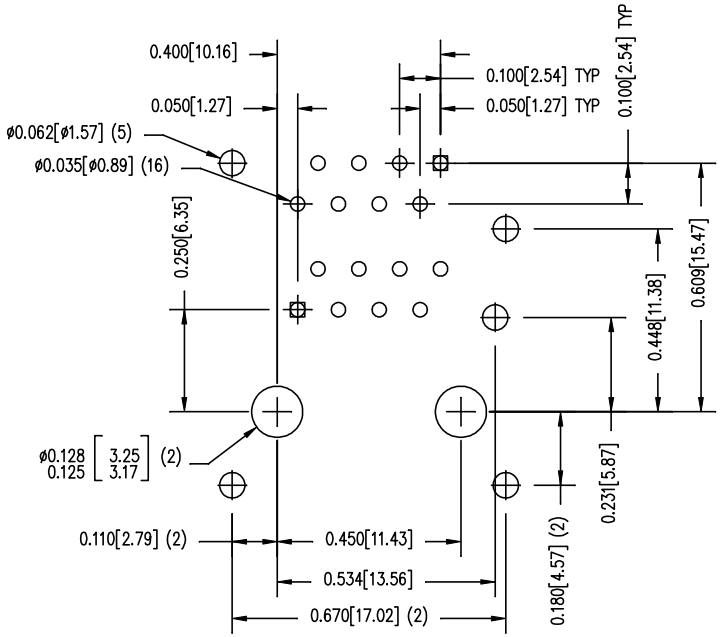
ORIGINATED BY: Zeng Xiao Chun	DATE: 2011-08-18	TITLE: MagJack® 10/100BT STACK JACK, SHIELDED PATENTED	PART NO. / DRAWING NO.: SI-30113-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.005	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: Zhang Ru Sheng	DATE: 2011-08-18		FILE NAME: SI-30113-F.DWG		UNIT : INCH [mm] / REV. : A1 / SCALE : N/A / SIZE : A4 / PAGE : 2

bel COMPONENTS FOR A CONNECTED PLANET

RoHS







P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
ALL CENTERLINE DIMENSIONS ARE BASIC

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. WAVE SOLDER COMPATIBLE – PREHEAT 125° C/90SECS.

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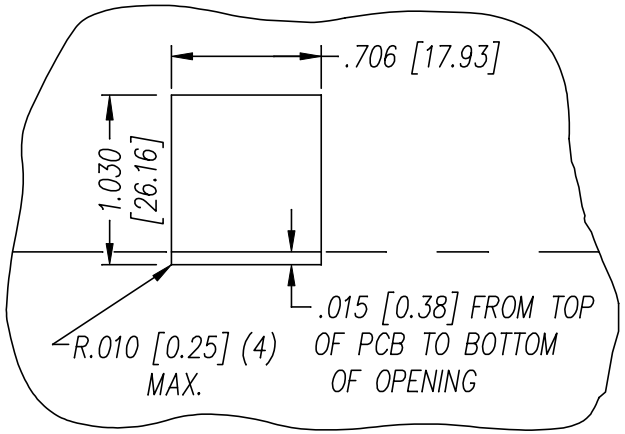
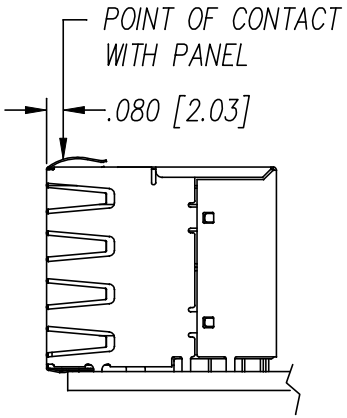
RoHS



SUGGESTED PANEL OPENING
(N.T.S.)



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 ±.005 [0.13]

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DRAWN BY: Zhang Ru Sheng	DATE: 2011-08-18		FILE NAME: SI-30113-F.DWG	.XX		UNIT : INCH [mm]	REV. : A1
				.XXX	±0.005	SCALE : N/A	SIZE : A4
							PAGE : 4