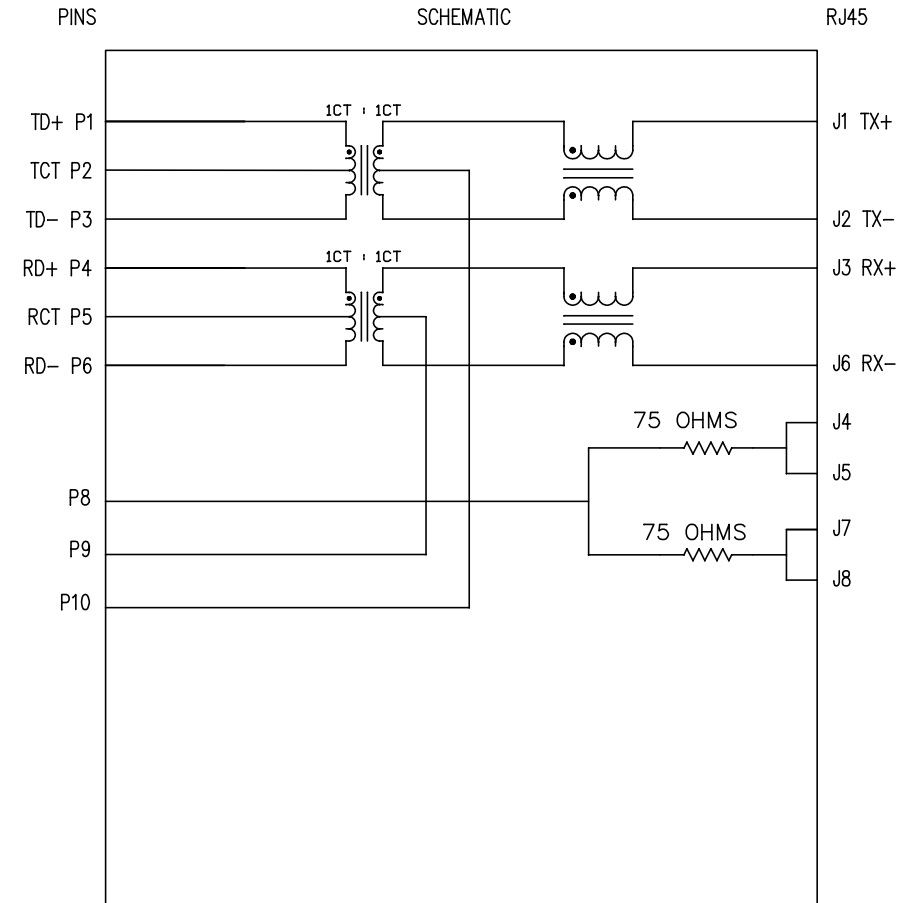


ELECTRICAL CHARACTERISTICS @ 25°C

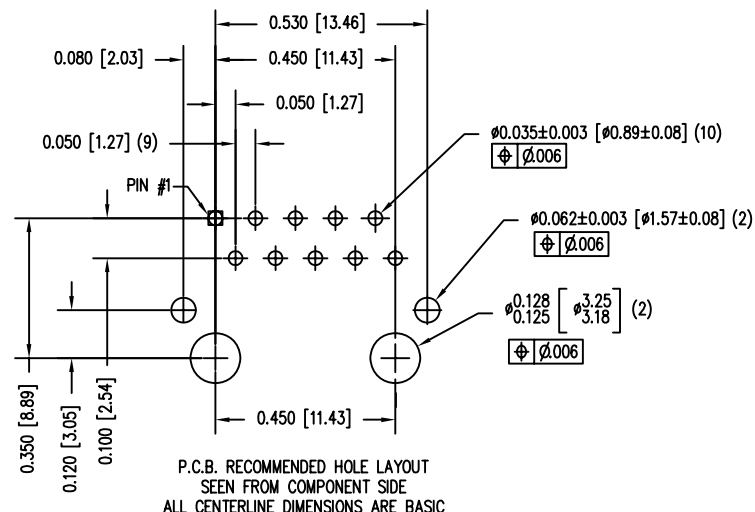
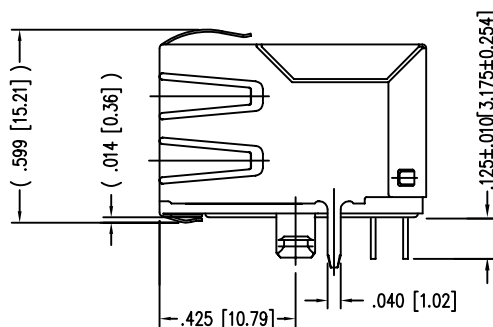
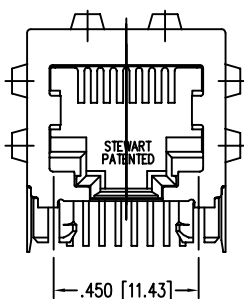
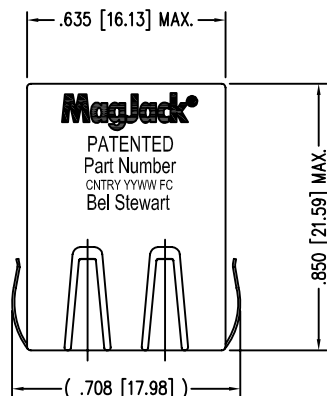
- 1.0 INDUCTANCE:
(P6-P4) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
(P3-P1) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
- 2.0 TURNS RATIO:
(P6-P5-P4):(J6-J3) : 1CT : 1CT $\pm$ 3%
(P3-P2-P1):(J2-J1) : 1CT : 1CT $\pm$ 3%
- 3.0 LEAKAGE INDUCTANCE:
(P6-P4) WITH J6-J3 SHORT : 0.3uH MAX. @1MHZ
(P3-P1) WITH J2-J1 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) : 1.2 OHMS MAX.
(J2-J1) : 1.2 OHMS MAX.
- 6.0 RETURN LOSS: (P6-P4)=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 (J6-J3).
- 7.0 DIELECTRIC WITHSTAND:
(J1, J2) TO (P1, P3) : 1500 VAC
(J3, J6) TO (P4,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. CROSS TALK:
1MHz TO 100MHz : 40 dB TYP
- 11.0 COMMON TO COMMON MODE ATTENUATION:
30MHz TO 100MHz : 35dB TYP
- 12.0 CURRENT CAPABILITY: : 350mA MAX.



NOTE: PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED

ORIGINATED BY	DATE	TITLE MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET
RS ZHANG	03-25-10		SI-62004-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : X0	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
RS ZHANG	03-25-10		SI-62004-F.DWG	.XX			PAGE : 2	
				.XXX	±0.005			

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NOTES:

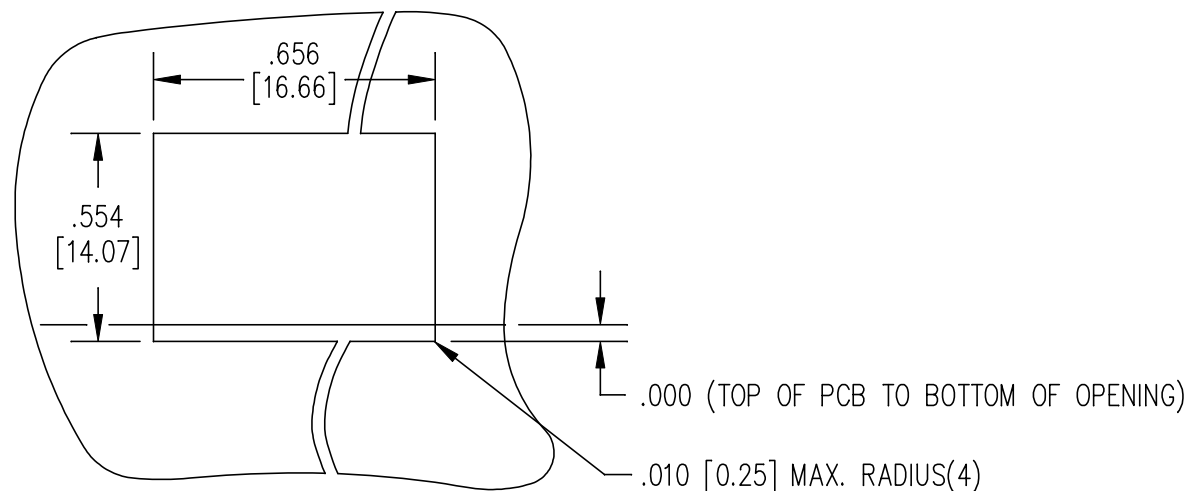
- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]
- WAVE SOLDER COMPATIBLE – PREHEAT 125°C/90SECS.
HIGH TEMPERATURE REFLOW COMPATIBLE – 230°C/90 SEC MAX. CAPABILITY.

ORIGINATED BY	DATE	MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
RS ZHANG	03-25-10		SI-62004-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : X0	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
RS ZHANG	03-25-10		SI-62004-F.DWG	.XX			PAGE : 3	
				.XXX	±0.005			

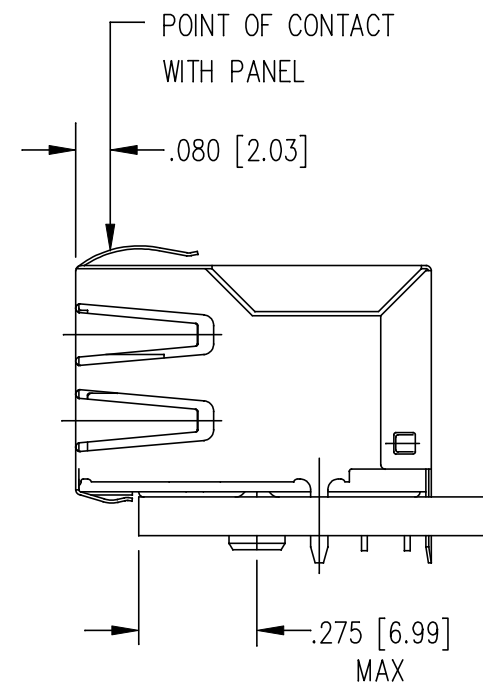
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PRELIMINARY

RoHS
2002/95/EC



SUGGESTED PANEL OPENING



THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

ORIGINATED BY	DATE	MagJack® 10/100BT TAB DOWN, SHIELDED PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
RS ZHANG	03-25-10		SI-62004-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : X0	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
RS ZHANG	03-25-10		SI-62004-F.DWG	.XX			PAGE : 4	
				.XXX	±0.005			